



PUMPS DIRECT

2024 PRODUCT CATALOGUE

- BOOSTER PUMPS**
- CENTRIFUGAL PUMPS**
- CIRCULATOR PUMPS**
- DOMESTEC PUMPS**
- DRAINAGE & DEWATERING**
- EASY ACTION DRUM PUMPS**
- FARM PUMPS CAST IRON**
- FERTIGATION**
- GRINDER PUMPS**
- HAND PRIMING PUMPS**
- HAND PUMPS DECORATIVE**
- MULTISTAGE PUMPS**
- PUMP ACCESSORIES**
- PUMP CONTROL EQUIPMENT**
- SELF PRIMING PUMPS**
- SMART PUMPS**
- SPECIALITY PUMPS**
- SUBMERSIBLE PUMPS**
- TRANSFER PUMPS**
- TURBINE PUMPS**

Domestic Pumps

**Constant Pressure
Pressure Systems
Bare pumps**





PRESSURE SYSTEMS

J SERIES / MULTIEVO / INTELLI MASTER

XBGR with MP Plus Controller Pressure System



- Auto reset controller
- Pump and controller both AS/NZS 4020 approved and RCM Certified
- Available in 240 volt, 50Hz, Single Phase
- Plug and Play leads
- 2 year warranty

Product Code: GLBG

Model	kW	
XBGR50-MP Plus	0.37	
XBGR75-MP Plus	0.55	
XBGR100-MP Plus	0.75	



	kW/Ø	WITH SOUTHERN CROSS® PRESSURE CONTROLLER		WITH PRESSURE SWITCH & SOUTHERN CROSS® STEEL TANK	
		PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
CBI 2-30	0.28/1Ø	CBI2-30PC15		CBI2-30PT8	
CBI 2-40	0.37/1Ø	CBI2-40PC15		CBI2-40PT18	
CBI 2-50	0.48/1Ø	CBI2-50PC15		CBI2-50PT18	
CBI 2-60	0.59/1Ø	CBI2-60PC22		CBI2-60PT18	
CBI 4-30	0.56/1Ø	CBI4-30PC15			
CBI 4-40	0.74/1Ø	CBI4-40PC15		CBI4-40PT18	
CBI 4-50	0.92/1Ø	CBI4-50PC22		CBI4-50PT18	
CBI 4-60	1.05/1Ø	CBI4-60PC22		CBI4-60PT18	



J SERIES / MULTI EVO / INTELLIMASTER



AS/NZS 4020
TESTED & CERTIFIED.
SAFE TO USE FOR DRINKING WATER.
EXCEPT JSK MODELS

	kW/Ø	WITH ONGA® PRESS CONTROL		WITH PRESSURE SWITCH & ONGA® STEEL TANK		MANUAL PUMP	
		PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
JS45	0.37/1Ø	JSP45		JSK45		JS45	
JS60	0.55/1Ø	JSP60		JSK60		JS60	
JS90	0.90/1Ø	JSP90		JSK90		JS90	



AS/NZS 4020
TESTED & CERTIFIED.
SAFE TO USE FOR DRINKING WATER.

	kW/Ø	WITH ONGA® PRESS CONTROL		MANUAL PUMP	
		PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
Multi EVO- A 3-40	0.51/1Ø	OME340P		OME340	
Multi EVO- A 3-50	0.70/1Ø	OME350P		OME350	
Multi EVO-A 3-60	0.90/1Ø	OME360P		OME360	
Multi EVO-A 5-40	0.75/1Ø	OME540P		OME540	
Multi EVO-A 5-50	0.95/1Ø	OME550P		OME550	
Multi EVO-A 5-60	1.20/1Ø	OME560P		OME560	
Multi EVO-A 8-50	1.40/1Ø	OME850P		OME850	



AS/NZS 4020
TESTED & CERTIFIED.
SAFE TO USE FOR DRINKING WATER.

	kW/Ø	WITH VARIABLE SPEED CONTROL & 8L PRESSURE TANK	
		PART NUMBER	LIST PRICE
INTELLIMASTER 750	0.75/1Ø	IMH750K	
INTELLIMASTER 1100	1.10/1Ø	IMH1100K	
INTELLIMASTER 2200	2.20/1Ø	IMH2200K	



e-HM SERIES / BGM SERIES



e-HM Series and BGM Series

- All pumps are 240 volt and IP55
- 415 volt available on request
- HMS are AISI304 complete wet end - Pumps to AS/NZS 4020
- Price includes pressure tank as stated, pressure switch, 5-way tee and pressure gauge
- Pressure systems with larger size tanks available upon request
- Extra for 25mm 304 stainless steel flexible hose for free standing tanks
 - 0.5 metre length P/No: AKMS70221 \$81 -
 - 1.0 metre length P/No: AKMS70222 \$126 - 1.5 metre length P/No: AKMS70223 \$131
- 2 year warranty on pumps; 5 year warranty on tanks

Product Code: LWHM / LWBG			
Model	kW	PWL 8	PWL 18
3HM02-PS	0.50		
3HM03-PS	0.50		
3HM04-PS	0.50		
3HM05-PS	0.75		
5HM02-PS	0.50		
5HM03-PS	0.50		
5HM04-PS	0.75		
5HM05-PS	0.95		
3HMS05-PS	0.50		
3HMS06-PS	0.50		
5HMS03-PS	0.50		
5HMS04-PS	0.50		
5HMS05-PS	0.75		
BGM3-PS	0.37		
BGM5-PS	0.55		
BGM7-PS	0.75		
BGM9-PS	0.90		
BGM11-PS	1.10		



PresFlo Pressure Systems

- All pumps are 240 volt and IP55
- HMS are AISI304 complete wet end - Pumps to AS/NZS 4020
- Loss of prime protection
- Anti-cycling protection
- Controller auto start, IP65 and rated to 16 Amps
- Plug and Play leads
- 2 year warranty





PRES FLO PRESSURE SYSTEMS



Product Code: LWHM	
Model	kW
3HM03-PF1615	0.50
3HM04-PF1622	0.50
3HM05-PF1622	0.75
3HM06-PF1622	0.95
5HM02-PF1615	0.50
5HM03-PF1615	0.50
5HM04-PF1622	0.75
5HM05-PF1622	0.95
5HM06-PF1622	1.10
3HMS04-PF1615	0.50
3HMS05-PF1622	0.50
3HMS06-PF1622	0.50
3HMS07-PF1622	0.55
5HMS03-PF1615	0.50
5HMS04-PF1615	0.50
5HMS05-PF1622	0.75
5HMS06-PF1622	0.75
5HMS08-PF1622	0.95

Product Code: LWBG	
Model	kW
BGM5-PF1615	0.55
BGM7-PF1622	0.75
BGM9-PF1622	0.90
BGM11-PF1622	1.10



PresFlo Multi Pressure Systems

- All pumps are 240 volt and IP55
- HMS are AISI304 complete wet end - Pumps to AS/NZS 4020
- Loss of prime protection
- Anti-cycling protection
- Adjustable current protection controller
- Adjustable start pressure - 2 litre pressure tank
- Controller auto start, IP65 and rated to 16 Amps
- Plug and Play leads
- 2 year warranty



Product Code: LWHM	
Model	kW
3HM03-PFM16	0.50
3HM05-PFM16	0.75
5HM02-PFM16	0.50
5HM04-PFM16	0.75
5HM06-PFM16	1.10
3HMS04-PFM16	0.50
3HMS06-PFM16	0.50
5HMS04-PFM16	0.50

Product Code: LWBG	
Model	kW
BGM5-PFM16	0.55
BGM7-PFM16	0.75
BGM9-PFM16	0.90
BGM11-PFM16	1.10



LIGHT INDUSTRIAL / CENTRIFUGAL



XBGR Series

Centrifugal Jet Pumps

- Self-priming, IP55 motor protection
- Standard mech seal carbon/ceramic-EPDM
- Single-phase pumps supplied with Plug & Play leads
- AS/NZ4020 approved
- RCM certified
- 2 year warranty



Product Code: GLBG		
Model	kW	240 V 1 Phase 50Hz
XBGR-50	0.37	
XBGR-75	0.55	
XBGR-100	0.75	



BGM Series

Shallow Well Jet Pumps

- Self-priming
- IP55 motor protection
- Standard mech seal carbon/ceramic-NBR
- Single-phase pumps supplied with lead and plug
- AS/NZ4020 approved
- 2 year warranty

Product Code: LWBG		
Model	kW	240 V 1 Phase 50Hz
BGM-3	0.37	
BGM-5	0.55	
BGM-7	0.75	
BGM-9	0.90	
BGM-11	1.10	



P Series

Peripheral Turbine Pumps

- M denotes single-phase
- Pumps rated for 40°C, K models rated for 80°C
- Pumps 8 bar-rated; PSA versions 10 bar-rated
- Standard mech seal carbon/ceramic-NBR
- Single-phase pumps include lead and plug
- 1 year warranty

Product Code: LWPP		
Model	kW	240 V 1 Phase 50Hz
PSAM70/A	0.37	
PKM30/B	0.50	
PKM40/B	0.60	
PKM70/A	0.75	
PM60/A	1.10	

Product Code: LWPP		
Model	kW	415 V 3 Phase 50Hz
PSA70/A	0.37	
P40	0.60	
PK70/A	0.75	
P70	0.75	
P60	1.10	



SP Series

Self-Priming Pumps

- Turbine-type impeller
- Pumps rated for 40°C
- Standard mech seal carbon/ceramic-NBR
- 1 year warranty

Product Code: LWPP		
Model	kW	240 V 1 Phase 50Hz
SP5	0.55	
SP7	0.75	

Product Code: LWPP		
Model	kW	415 V 3 Phase 50Hz
SP5T	0.55	
SP7T	0.75	

NOTE: Prices do not include GST.



LIGHT INDUSTRIAL / CENTRIFUGAL

C Series



Close-Coupled Centrifugal Pumps–Single Impeller

- CEAM Single-phase, max temp 110°C, IP55 motor -
- CEA Three-phase, max temp 110°C, IP55 motor
- V denotes viton elastomers
- Standard mech seal carbon/ceramic–viton
- Single-phase pumps supplied with lead and plug -
- Wetted components 304 Stainless Steel
- Wetted components in 316L available–POA
- 1 year warranty



Product Code: LWCS		
Model	kW	240 V 1 Phase 50Hz
CEAM 70/3V	0.37	
CEAM 70/5V	0.55	
CEAM 80/5V	0.75	
CEAM 120/3V	0.55	
CEAM 120/5V	0.90	
CEAM 210/2V	0.75	
CEAM 210/3V	1.10	
CEAM 210/4V	1.50	
CEAM 210/5V	2.20	
CEAM 370/1V	1.10	
CEAM 370/2V	1.50	
CEAM 370/3V	2.20	

Product Code: LWCS		
Model	kW	415 V 3 Phase 50Hz
CEA 70/3V	0.37	
CEA 70/5V	0.55	
CEA 80/5V	0.75	
CEA 120/3V	0.55	
CEA 120/5V	0.90	
CEA 210/2V	0.75	
CEA 210/3V	1.10	
CEA 210/4V	1.50	
CEA 210/5V	1.85	
CEA 370/1V	1.10	
CEA 370/2V	1.50	
CEA 370/3V	1.85	
CEA 370/5V	3.00	

Close-Coupled Centrifugal Pumps–Twin Impeller



- CAM Single-phase, max temp 110°C, IP55 motor -
- CA Three-phase, max temp 110°C, IP55 motor
- V denotes viton elastomers
- Single-phase pumps supplied with lead and plug -
- All Wetted components AISI 304 stainless steel -
- Wetted components in 316L available–POA
- 1 year warranty

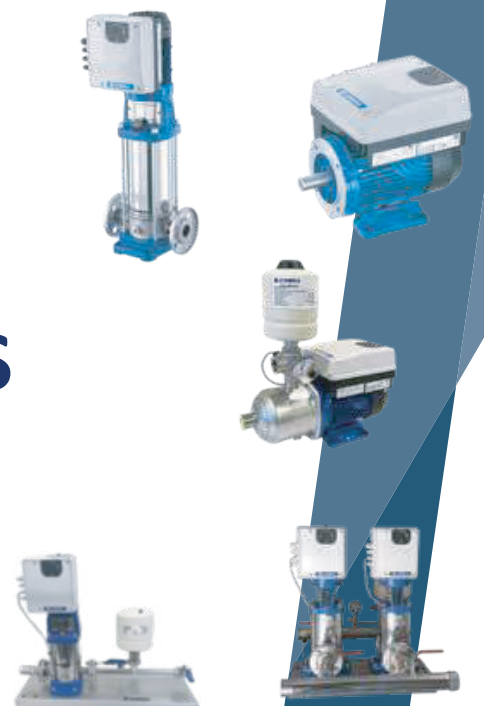


Product Code: LWCS		
Model	kW	240 V 1 Phase 50Hz
CAM-70/33V	0.75	
CAM-70/34V	0.90	
CAM-70/45V	1.10	
CAM-120/33V	1.10	
CAM-120/35V	1.50	
CAM-120/55V	2.20	
CAM-200/33V	1.85	
CAM-200/35V	2.20	

Product Code: LWCS		
Model	kW	415 V 3 Phase 50Hz
CA-70/34V	0.90	
CA-70/45V	1.10	
CA-120/33V	1.10	
CA-120/35V	1.50	
CA-120/55V	2.20	
CA-200/33V	1.85	
CA-200/35V	2.20	
CA-200/55V	3.00	

Smart Pumps

HME SERIES
SVE SERIES
SVE BOOSTER SYSTEMS
DUAL BOOSTER SYSTEMS





HME & SVE SMART PUMP RANGE



Smart Pump Range

Permanent Magnet Motor–Variable Speed Drives

- AISI 304 stainless steel pumps, IP55 -
- Permanent magnet IE5 motor
- Variable speed drive
- Ultra premium efficiency
- Pumps to AS/NZS 4020
- 2 year warranty

Pump & Drive combined rating



'Best in Class'

Motor rating



'Ultra Premium efficiency'



HME Series

- HME models include pressure transducer, 5 way tee with inbuilt check valve, pressure gauge and pressure tank



Product Code: LWVS		
Model	kW	240 V 1 Phase 50Hz
SMT/3HME05S	0.55	
SMT/3HME07S	0.75	
SMT/3HME09S	1.10	
SMT/5HME04S	0.75	
SMT/5HME06S	1.10	
SMT/5HME08S	1.50	
SMT/10HME03S	1.50	

Product Code: LWVS		
Model	kW	415 V 3 Phase 50Hz
SMT/5HME10S22T	2.20	
SMT/10HME04S22T	2.20	
SMT/15HME03S22T	2.20	

SVE Series

- SVE models include pressure transducer



Product Code: LWVS		
Model	kW	240 V 1 Phase 50Hz
SMT/3SVE05	0.55	
SMT/3SVE07	0.75	
SMT/3SVE09	1.10	
SMT/3SVE11	1.50	
SMT/5SVE06	1.10	
SMT/5SVE08	1.50	
SMT/10SVE03	1.50	

Product Code: LWVS		
Model	kW	415 V 3 Phase 50Hz
SMT/5SVE06T	1.10	
SMT/5SVE08T	1.50	
SMT/5SVE12T	2.20	
SMT/10SVE03T	1.50	
SMT/10SVE04T	2.20	
SMT/15SVE02T	2.20	

The Smart Pump Range is an evolving pump range. Please contact Brown Brothers Engineers on any extensions to this range.



The need to reduce carbon emissions is placing a greater focus on energy consuming pumping systems and the efficiency of these systems.


2/3 of all pumps installed are inefficient and use up to 60% too much electricity.

Switch to an energy efficient pump today!



Smart Pump – Single & Dual Booster Systems

Permanent Magnet Motor–Variable Speed Drives

- Price includes Pump IP55, discharge fittings, isolation valves and pressure tank mounted on a stainless steel base
- Pump to AS/NZS 4020
- 2 year warranty on factory assembled booster systems -
- Freight charges apply to this product range 



Single SVE Booster Systems

Product Code: BSSP			
Model	Manifold	kW	240 V 1 Phase 50Hz
3SVE05SPS-M	25mm	0.55	
3SVE07SPS-M	25mm	0.75	
3SVE09SPS-M	25mm	1.10	
3SVE11SPS-M	25mm	1.50	
5SVE06SPS-M	32mm	1.10	
5SVE08SPS-M	32mm	1.50	
10SVE03SPS-M	40mm	1.50	

Product Code: BSSP			
Model	Manifold	kW	415 V 3 Phase 50Hz
5SVE06SPS-T	32mm	1.10	
5SVE08SPS-T	32mm	1.50	
5SVE12SPS-T	32mm	2.20	
10SVE03SPS-T	40mm	1.50	
10SVE04SPS-T	40mm	2.20	
15SVE02SPS-T	50mm	2.20	



Dual SVE Booster Systems

Product Code: BSSP			
Model	Manifold	kW	240 V 1 Phase 50Hz
3DSVE05SPS-M	50mm	0.55	
3DSVE07SPS-M	50mm	0.75	
3DSVE09SPS-M	50mm	1.10	
3DSVE11SPS-M	50mm	1.50	
5DSVE06SPS-M	50mm	1.10	
5DSVE08SPS-M	50mm	1.50	
10DSVE03SPS-M	65mm	1.50	

Product Code: BSSP			
Model	Manifold	kW	415 V 3 Phase 50Hz
5DSVE06SPS-T	50mm	1.10	
5DSVE08SPS-T	50mm	1.50	
5DSVE12SPS-T	50mm	2.20	
10DSVE03SPS-T	65mm	1.50	
10DSVE04SPS-T	65mm	2.20	
15DSVE02SPS-T	80mm	2.20	



*Let's help
save the
WORLD*

Choose Environmentally Sustainable Pumps.

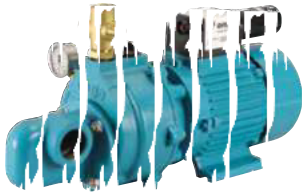
- Lower Energy Consumption
- Lower Operating Costs
- Lower Life Cycle Costs

Saving energy means saving water and both add up to a healthier environment.

Farm Pumps Cast Iron

Shallow Well
Deep Well





JJ SERIES / OJ SERIES

	kW/Ø	WITH PRESSURE SWITCH & ONGA®STEEL TANK		WITH PRESSURE SWITCH	
		PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
JJ400	0.75/1Ø	-	-	110031	
JJ400 + TANK 24L	0.75/1Ø	JJ400K		-	-
JJ600	1.10/1Ø	-	-	110021	
JJ600	1.10/3Ø	-	-	110044	
JJ600 + TANK 24L	1.10/1Ø	JJ600K1		-	-
JJ600 + TANK 24L	1.10/3Ø	JJ600K3		-	-
OJ700	1.50/1Ø	-	-	110144	
OJ700	1.50/3Ø	-	-	110119	
OJ700 + TANK 40L	1.50/1Ø	OJ700K1		-	-
OJ700 + TANK 40L	1.50/3Ø	OJ700K3		-	-
OJ800	2.40/1Ø	-	-	110121	
OJ800	2.40/3Ø	-	-	110124	
OJ800 + TANK 100L	2.40/1Ø	OJ800K1		-	-
OJ800 + TANK 100L	2.40/3Ø	OJ800K3		-	-

PLEASE NOTE: INJECTORS OR HOUSING TO BE PURCHASED SEPERATELY



OJ BARESHAFT

	MANUAL PUMPS	
	PART NUMBER	LIST PRICE
OJ700 BARESHAFT	110082	
OJ800 BARESHAFT	110128	

PLEASE NOTE: INJECTORS OR HOUSING TO BE PURCHASED SEPERATELY



SHALLOW WELL INJECTOR KITS

* Includes Housing, Gasket, Jet & Venturi.

	MODEL	S500	S501	S502					LIST PRICE
JJ400	PART NUMBER	110445	110446	110447					
	MODEL	S600	S601	S602	S603				
JJ600	PART NUMBER	110448	110449	110450	110451				
	MODEL	S700	S701	S702	S703	S704			
OJ700	PART NUMBER	110471	110472	110473	110474	110475			
	MODEL	S800	S801	S802	S803	S804	S805	S806	
OJ800	PART NUMBER	110476	110477	110478	110479	110480	110481	110482	



JJ400	MODEL	S500	S501	S502					LIST PRICE
	PART NUMBER	801125	801126	801127					
JJ600	MODEL	S600	S601	S602	S603				LIST PRICE
	PART NUMBER	801128	801129	801130	801131				
OJ700	MODEL	S700	S701	S702	S703	S704			LIST PRICE
	PART NUMBER	801106	801107	801122	801123	801124			
OJ800	MODEL	S800	S801	S802	S803	S804	S805	S806	LIST PRICE
	PART NUMBER	801108	801109	801110	801111	801112	801113	801114	

MPGZ4



PART #	DESCRIPTION	LIST PRICE
502860GN	Over Bore Elbow	
500100GN	Offset Flange	
800492	D4 Housing & Elbow Kit D/W Injector	
800493	D5 Housing & Elbow Kit D/W Injector	
800494	D6** Housing & Elbow Kit D/W Injector	

PART #	DESCRIPTION	LIST PRICE
800401	D6-4* Housing & Elbow Kit D/W Injector	
800576	D4 Housing & Offset Kit DW Injector	
800577	D5 Housing & Offset Kit DW Injector	
800578	D6** Housing & Offset Kit DW Injector	

* to suit 4"bore; ** to suit 5"bore



JET & VENTURI ONLY		MPG40
PART NUMBER	MODEL	LIST PRICE
801042	D411	
801044	D413	
801045	D414	
801042	D415	
801132	D417	
801048	D511	
801050	D513	
801051	D514	
801052	D515	
801053	D516	
801052	D518	
801053	D519	
801115	D520	
801133	D521	
801134	D523	
801058	D611	
801059	D612	
801060	D613	
801063	D616	
801060	D617	
801116	D618	
801117	D619	
801050	D620	

DEEP WELL INJECTOR COMPLETE		MPGZ4
PART NUMBER	MODEL	LIST PRICE
D411E	D411O	
D413E	D413O	
D414E	D414O	
D415E	D415O	
D417E	D417O	
D511E	D511O	
D513E	D513O	
D514E	D514O	
D515E	D515O	
D516E	D516O	
D518E	D518O	
D519E	D519O	
D520E	D520O	
D521E	D521O	
D523E	D523O	
D611E	D611O	
D612E	D612O	
D613E	D613O	
D616E	D616O	
D617E	D617O	
D618E	D618O	
D619E	D619O	
D620E	D620O	



Circulator Pumps

Hot water
Cold water
Solar



CIRCULATOR PUMPS



D5 SERIES



Circulators

Ecocirc D5 Solar Pump

- 12V solar circulator
- Solar version for direct connection to photovoltaic panels
- Vario version can be direct or battery powered and has speed control - 1 year warranty

Product Code: LWCI

Model	Version
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D5SOLAR-38/700 B	R 1½
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D5VARIO-38/700 B	R 1½
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ECOCIRC BASIC & PREMIUM



Product Code: LWCI

Model	Version	Length	
ecocirc Prem25-6	1"	130mm	
ecocirc Prem25-6	1"	180mm	
ecocirc Prem32-6	1 1/4"	180mm	

Ecocirc Basic

- Permanent magnet motor
- Variable speed motor with auto speed adjustment
- Ceramic bearings

Ecocirc Premium

- Permanent magnet motor
- Variable speed motor with auto speed adjustment - Use friendly LCD display
- Anti-block technology and dry run protection

Product Code: LWCI

Model	Version	Length	Cast Iron Range
ecocirc Basic25-6	1"	130mm	
ecocirc Basic25-6	1"	180mm	
ecocirc Basic32-6	1 1/4"	180mm	

Product Code: LWCI

Model	Version	Length	304SS Range
ecocirc Basic25-6N	1"	130mm	
ecocirc Basic25-6N	1"	180mm	
ecocirc Basic32-6N	1 1/4"	180mm	



ECOCIRC XL CIRCULATOR



Ecocirc XL Circulator

- High efficiency IECM Motor
- User selectable—4 function mode of operation - User friendly LCD display
- Night mode

- Anti-block technology and dry run protection
- 240V power supply
- Temperature range -10°C to +110°C
- 1 year warranty

Product Code: LWC1

Model	Version	Length	
ecocirc XL 32-120F	32mm	220mm	
ecocirc XL 40-120F	40mm	250mm	
ecocirc XL 40-180F	40mm	250mm	
ecocirc XL 50-80F	50mm	240mm	
ecocirc XL 50-120F	50mm	280mm	
ecocirc XL 50-180F	50mm	280mm	

Product Code: LWC1

Model	Version	Length	
ecocirc XL 65-80F	65mm	340mm	
ecocirc XL 65-120F	65mm	340mm	
ecocirc XL 65-150F	65mm	340mm	
ecocirc XL 65-180F	65mm	340mm	
ecocirc XL 80-120F	80mm	360mm	
ecocirc XL 100-120F	100mm	360mm	

COUNTERFLANGE KITS—Ecocirc XL & XL Plus

For threaded DN32/RP 1 1/4", PN6, Fe/Zn 8-ISO 2081	LWC1109.395.700	
For threaded DN40/RP 1 1/2", PN6, Fe/Zn 8-ISO 2081	LWC1109.395.710	
For threaded DN50/RP 2", PN6, Fe/Zn 8-ISO 2081	LWC1109.395.720	
For threaded DN65/RP 2 1/2", PN6, Fe/Zn 8-ISO 2081	LWC1105.395.730	
For threaded DN80/RP 3", PN6, Fe/Zn 8-ISO 2081	LWC1109.395.740	
For threaded DN100/RP 4", PN6, Fe/Zn 8-ISO 2081	LWC1109.395.750	
For threaded DN32/RP 1 1/4", PN6, AISI 316L	LWC1109.395.701	

HOT WATER CIRCULATOR



TLCN—Hot Water Circulator

- Single head stainless steel version -
- No communication capabilities
- Note: Please check availability before ordering
- 1 year warranty



Product Code: LWC1

Model	Version	Length	
TLCN 20-6M	R 1¼ (DN 20)	150mm	
TLCN 25-6L	R 1½ (DN 25)	180mm	

Steel pipe union	TLC 20mm P/No: LWC1105.890.350	
Steel pipe union	TLC 25mm P/No: LWC1105.890.200	



e-LINE SERIES CIRCULATOR



e-LNE Series

Cast Iron In-line Circulator Pumps

- Stub shaft version
- All cast iron wetted construction
- Standard carbon ceramic seal fitted with viton elastomers
- Alternative seal arrangements available POA
- Base plate not included, available as optional extra
- 1 year warranty

2 Pole–2900 RPM

4 Pole–1450 RPM



e-LNE Series images shown with optional base plate

Product Code: LWLN		
Model	kW	415 V 3 Phase 50Hz
LNES40-125/11	1.10	
LNES40-125/22	2.20	
LNES40-125/30	3.00	
LNES40-160/30	3.00	
LNES40-160/40	4.00	
LNES40-200/55	5.50	
LNES40-200/75	7.50	
LNES50-125/22	2.20	
LNES50-125/30	3.00	
LNES50-160/40	4.00	
LNES50-160/75	7.50	
LNES50-200/110	11.00	
LNES65-125/30	3.00	
LNES65-125/40	4.00	
LNES65-125/55	5.50	
LNES65-125/75	7.50	
LNES65-160/75	7.50	
LNES65-200/110	11.00	
LNES65-200/150	15.00	
LNES80-160/110	11.00	
LNES80-200/110	11.00	
LNES80-200/150	15.00	
LNES80-200/185	18.50	
LNES100-160/150	15.00	
LNES100-160/185	18.50	
LNES100-200/220	22.00	
LNES100-200/300	30.00	

Product Code: LWLN		
Model	kW	415 V 3 Phase 50Hz
LNES4 40-160/05	0.55	
LNES4 40-200/07	0.75	
LNES4 40-250/15	1.50	
LNES4 40-250/22	2.20	
LNES4 50-125/05	0.55	
LNES4 50-160/07	0.75	
LNES4 50-200/11	1.10	
LNES4 50-200/15	1.50	
LNES4 50-250/22	2.20	
LNES4 65-160/07	0.75	
LNES4 65-200/11	1.10	
LNES4 65-200/15	1.50	
LNES4 65-250/22	2.20	
LNES4 65-250/30	3.00	
LNES4 65-250/40	4.00	
LNES4 80-160/15	1.50	
LNES4 80-160/22	2.20	
LNES4 80-200/30	3.00	
LNES4 80-200/40	4.00	
LNES4 80-250/55	5.50	
LNES4 80-250/75	7.50	

Base Plate (optional)	LNE Base Plate 40-100 Series LWLN 109.391.270	
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End Suction Centrifugal

Southern Cross Starline
Southern Crossed Iso Pro
Southern Crossed Iso Pro Bare Shaft
Lowara SHS Series
Goulds GIS Series Bare Shaft
Goulds GIS Series long Coupled
Goulds GIS Series ISO Motor Pump





e-SHS SERIES



e-SHS Series

Stainless Steel End-Suction Centrifugal Pumps

Stub shaft version

- All 316L stainless steel wetted construction -
- Pump price does not include mating flanges
- Standard carbon ceramic seal fitted with viton elastomers -
- Alternative seal arrangements available POA
- 1 year warranty



2 Pole–2900 RPM

2 Pole–2900 RPM

Product Code: LWSH		
Model	kW	415 V 3 Phase 50Hz
ESHS32-125/07	0.75	
ESHS32-125/11	1.10	
ESHS32-160/15	1.50	
ESHS32-160/22	2.20	
ESHS32-200/30	3.00	
ESHS32-200/40	4.00	
ESHS32-250/55	5.50	
ESHS32-250/75	7.50	
ESHS32-250/110	11.00	
ESHS40-125/11	1.10	
ESHS40-125/15	1.50	
ESHS40-125/22	2.20	
ESHS40-160/30	3.00	
ESHS40-160/40	4.00	
ESHS40-200/55	5.50	
ESHS40-200/75	7.50	
ESHS40-250/110	11.00	
ESHS40-250/150	15.00	
ESHS50-125/22	2.20	
ESHS50-125/30	3.00	
ESHS50-125/40	4.00	
ESHS50-160/55	5.50	
ESHS50-160/75	7.50	
ESHS50-200/110	11.00	
ESHS50-250/150	15.00	
ESHS50-250/185	18.50	
ESHS50-250/220	22.00	

Product Code: LWSH		
Model	kW	415 V 3 Phase 50Hz
ESHS65-160/40	4.00	
ESHS65-160/55	5.50	
ESHS65-160/75	7.50	
ESHS65-160/110	11.00	
ESHS65-200/150	15.00	
ESHS65-200/185	18.50	
ESHS65-200/220	22.00	
ESHS65-250/300	30.00	
ESHS65-250/370	37.00	
ESHS80-160/110	11.00	
ESHS80-160/150	15.00	
ESHS80-160/185	18.50	
ESHS80-200/220	22.00	
ESHS80-200/300	30.00	
ESHS80-200/370	37.00	

Cast iron end suction pumps options are also available upon request. Please contact us for more information.



e-SHS SERIES



e-SHS Series (Cont.)

4 Pole–1450 RPM

LOWARA
a xylem brand



Product Code: LWSH		
Model	kW	415 V 3 Phase 50Hz
ESHS432-250/07	0.75	
ESHS432-250/11	1.10	
ESHS432-250/15	1.50	
ESHS440-200/07	0.75	
ESHS440-200/11	1.10	
ESHS440-250/15	1.50	
ESHS440-250/22	2.20	
ESHS450-160/07	0.75	
ESHS450-160/11	1.10	
ESHS450-200/11	1.10	
ESHS450-200/15	1.50	
ESHS450-250/22	2.20	
ESHS450-250/30	3.00	
ESHS465-160/05	0.55	
ESHS465-160/07	0.75	
ESHS465-160/11	1.10	
ESHS465-160/15	1.50	
ESHS465-200/15	1.50	
ESHS465-200/22	2.20	
ESHS465-200/30	3.00	
ESHS465-250/40	4.00	
ESHS465-250/55	5.50	
ESHS480-160/15	1.50	
ESHS480-160/22	2.20	
ESHS480-200/30	3.00	
ESHS480-200/40	4.00	
ESHS480-250/55	5.50	
ESHS480-250/75	7.50	

COUNTERFLANGE KITS–PN16 Pressed 316 Stainless Steel Threaded Flanges		
NOTE: Kits comprise 2 flanges of different sizes, gaskets and bolts		
32mm Suits SHE/SHS		LWSH 109.390.521
40mm Suits SHE/SHS		LWSH 109.390.531
50mm Suits SHE/SHS		LWSH 109.390.541
65mm Suits SHE/SHS		LWSH 109.390.551
80mm Suits SHE/SHS		LWSH 109.390.561

SHOE Series open impeller pumps are also available upon request.



GOULDS GIS SERIES



Goulds GIS Series–ISO Pump

Frame-Mount / Bare Shaft ISO2858

- AISI 304 stainless steel impeller complete with wear rings
- Cast iron pump casing
- Pump casing 16 bar
- Keyed stainless steel shaft
- Carbon ceramic shaft seal
- All 316 stainless steel construction available on request - 2 year warranty
- Freight charges apply to this product range



Product Code: GIFM	
Model	Without Base
GIFM 50 x 32-160	
GIFM 50 x 32-200	
GIFM 65 x 50-160	
GIFM 65 x 40-200	
GIFM 65 x 40-250	
GIFM 65 x 40-315	
GIFM 80 x 65-160	
GIFM 80 x 50-200	
GIFM 80 x 50-250	
GIFM 80 x 50-315	
GIFM 100 x 80-160	
GIFM 100 x 65-200	
GIFM 100 x 65-250	
GIFM 100 x 65-315	
GIFM 125 x 80-400	
GIFM 125 x 100-200	
GIFM 125 x 100-250	
GIFM 125 x 100-315	
GIFM 125 x 100-400	
GIFM 125 x 100-500	
GIFM 150 x 125-250	
GIFM 150 x 125-315	
GIFM 150 x 125-400	
GIFM 150 x 125-500	
GIFM 200 x 150-315	
GIFM 200 x 150-400	
GIFM 200 x 150-500	
GIFM 250 x 200-315	
GIFM 250 x 200-400	

ISO Pump Modifications	
Prices are NET and no discounts apply.	
Impeller trims	
Special Seal change (<i>labour only - seal not included</i>)	



GIFM SERIES - LONG COUPLED



Long Coupled ISO Pump Unit

- ISO2858
- Price includes–pump, motor, spacer coupling, guard and galvanised base - Standard construction CI/SS/SS and mechanical seal carbon/ceramic
- All 316 stainless steel construction available on request
- Price includes impeller trim to non-overloading motor size
- Standard offering with Weg motor; other motor manufacturers available on request
- 1 year warranty
- Freight charges apply to this product range

2 Pole–2900 RPM



GIFM-BU

Product Code: GIFM-BU		
Model	kW	415 V 3 Phase 50Hz
GIFM-BU 50 x 32-160	3.00	
GIFM-BU 50 x 32-160	4.00	
GIFM-BU 50 x 32-160	5.50	
GIFM-BU 50 x 32-200	5.50	
GIFM-BU 50 x 32-200	7.50	
GIFM-BU 50 x 32-200	11.00	
GIFM-BU 65 x 40-200	7.50	
GIFM-BU 65 x 40-200	11.00	
GIFM-BU 65 x 40-200	15.00	
GIFM-BU 65 x 40-250	11.00	
GIFM-BU 65 x 40-250	15.00	
GIFM-BU 65 x 40-250	18.50	
GIFM-BU 65 x 40-250	22.00	
GIFM-BU 65 x 40-250	30.00	
GIFM-BU 65 x 40-315	22.00	
GIFM-BU 65 x 40-315	30.00	
GIFM-BU 65 x 40-315	37.00	
GIFM-BU 65 x 40-315	45.00	
GIFM-BU 65 x 50-160	4.00	
GIFM-BU 65 x 50-160	5.50	
GIFM-BU 65 x 50-160	7.50	
GIFM-BU 80 x 50-200	11.00	
GIFM-BU 80 x 50-200	15.00	
GIFM-BU 80 x 50-200	18.50	
GIFM-BU 80 x 50-200	22.00	
GIFM-BU 80 x 50-250	18.50	
GIFM-BU 80 x 50-250	22.00	
GIFM-BU 80 x 50-250	30.00	
GIFM-BU 80 x 50-250	37.00	
GIFM-BU 80 x 50-250	45.00	
GIFM-BU 80 x 50-315	30.00	
GIFM-BU 80 x 50-315	37.00	
GIFM-BU 80 x 50-315	45.00	
GIFM-BU 80 x 50-315	55.00	
GIFM-BU 80 x 50-315	75.00	
GIFM-BU 80 x 65-160	5.50	
GIFM-BU 80 x 65-160	7.50	
GIFM-BU 80 x 65-160	11.00	
GIFM-BU 80 x 65-160	15.00	

Product Code: GIFM-BU		
Model	kW	415 V 3 Phase 50Hz
GIFM-BU 100 x 65-200	15.00	
GIFM-BU 100 x 65-200	18.50	
GIFM-BU 100 x 65-200	22.00	
GIFM-BU 100 x 65-200	30.00	
GIFM-BU 100 x 65-200	37.00	
GIFM-BU 100 x 65-250	30.00	
GIFM-BU 100 x 65-250	37.00	
GIFM-BU 100 x 65-250	45.00	
GIFM-BU 100 x 65-250	55.00	
GIFM-BU 100 x 65-250	75.00	
GIFM-BU 100 x 65-315	55.00	
GIFM-BU 100 x 65-315	75.00	
GIFM-BU 100 x 65-315	90.00	
GIFM-BU 100 x 65-315	110.00	
GIFM-BU 100 x 80-160	11.00	
GIFM-BU 100 x 80-160	15.00	
GIFM-BU 100 x 80-160	18.50	
GIFM-BU 100 x 80-160	22.00	
GIFM-BU 125 x 100-200	30.00	
GIFM-BU 125 x 100-200	37.00	
GIFM-BU 125 x 100-200	45.00	
GIFM-BU 125 x 100-200	55.00	
GIFM-BU 125 x 100-200	75.00	
GIFM-BU 125 x 100-250	55.00	
GIFM-BU 125 x 100-250	75.00	
GIFM-BU 125 x 100-250	90.00	
GIFM-BU 125 x 100-250	110.00	
GIFM-BU 125 x 100-315	90.00	
GIFM-BU 125 x 100-315	110.00	



GIFM SERIES - LONG COUPLED CONT.



GIFM-BU

Product Code: GIFM-BU		
Model	kW	415 V 3 Phase 50Hz
GIFM-BU 50 x 32-160	0.75	
GIFM-BU 50 x 32-200	0.75	
GIFM-BU 50 x 32-200	1.10	
GIFM-BU 50 x 32-200	1.50	
GIFM-BU 65 x 40-200	1.10	
GIFM-BU 65 x 40-200	1.50	
GIFM-BU 65 x 40-200	2.20	
GIFM-BU 65 x 40-250	1.50	
GIFM-BU 65 x 40-250	2.20	
GIFM-BU 65 x 40-250	3.00	
GIFM-BU 65 x 40-315	3.00	
GIFM-BU 65 x 40-315	4.00	
GIFM-BU 65 x 40-315	5.50	
GIFM-BU 65 x 40-315	7.50	
GIFM-BU 65 x 50-160	0.75	
GIFM-BU 65 x 50-160	1.10	
GIFM-BU 80 x 50-200	1.50	
GIFM-BU 80 x 50-200	2.20	
GIFM-BU 80 x 50-200	3.00	
GIFM-BU 80 x 50-250	3.00	
GIFM-BU 80 x 50-250	4.00	
GIFM-BU 80 x 50-250	5.50	
GIFM-BU 80 x 50-315	4.00	
GIFM-BU 80 x 50-315	5.50	
GIFM-BU 80 x 50-315	7.50	
GIFM-BU 80 x 65-160	1.10	
GIFM-BU 80 x 65-160	1.50	
GIFM-BU 100 x 65-200	2.20	
GIFM-BU 100 x 65-200	3.00	
GIFM-BU 100 x 65-200	4.00	
GIFM-BU 100 x 65-200	5.50	
GIFM-BU 100 x 65-250	4.00	
GIFM-BU 100 x 65-250	5.50	
GIFM-BU 100 x 65-250	7.50	
GIFM-BU 100 x 65-315	7.50	
GIFM-BU 100 x 65-315	11.00	
GIFM-BU 100 x 65-315	15.00	
GIFM-BU 100 x 80-160	1.10	
GIFM-BU 100 x 80-160	1.50	
GIFM-BU 100 x 80-160	2.20	
GIFM-BU 100 x 80-160	3.00	

Product Code: GIFM-BU		
Model	kW	415 V 3 Phase 50Hz
GIFM-BU 125 x 80-400	11.00	
GIFM-BU 125 x 80-400	15.00	
GIFM-BU 125 x 80-400	18.50	
GIFM-BU 125 x 80-400	22.00	
GIFM-BU 125 x 80-400	30.00	
GIFM-BU 125 x 100-200	4.00	
GIFM-BU 125 x 100-200	5.50	
GIFM-BU 125 x 100-200	7.50	
GIFM-BU 125 x 100-250	7.50	
GIFM-BU 125 x 100-250	11.00	
GIFM-BU 125 x 100-250	15.00	
GIFM-BU 125 x 100-315	11.00	
GIFM-BU 125 x 100-315	15.00	
GIFM-BU 125 x 100-315	18.50	
GIFM-BU 125 x 100-315	22.00	
GIFM-BU 125 x 100-400	18.50	
GIFM-BU 125 x 100-400	22.00	
GIFM-BU 125 x 100-400	30.00	
GIFM-BU 125 x 100-400	37.00	
GIFM-BU 125 x 100-400	45.00	
GIFM-BU 150 x 125-250	11.00	
GIFM-BU 150 x 125-250	15.00	
GIFM-BU 150 x 125-250	18.50	
GIFM-BU 150 x 125-250	22.00	
GIFM-BU 150 x 125-315	18.50	
GIFM-BU 150 x 125-315	22.00	
GIFM-BU 150 x 125-315	30.00	
GIFM-BU 150 x 125-315	37.00	
GIFM-BU 150 x 125-400	30.00	
GIFM-BU 150 x 125-400	37.00	
GIFM-BU 150 x 125-400	45.00	
GIFM-BU 150 x 125-400	55.00	
GIFM-BU 150 x 125-400	75.00	



GIFM SERIES - LONG COUPLED CONT.



Long Coupled ISO Pump Unit (Cont.)

4 Pole-1450 RPM



GIFM-BU

Product Code: GIFM-BU		
Model	kW	415 V 3 Phase 50Hz
GIFM-BU 200 x 150-315	30.00	
GIFM-BU 200 x 150-315	37.00	
GIFM-BU 200 x 150-315	45.00	
GIFM-BU 200 x 150-315	55.00	
GIFM-BU 200 x 150-315	75.00	
GIFM-BU 200 x 150-400	45.00	
GIFM-BU 200 x 150-400	55.00	
GIFM-BU 200 x 150-400	75.00	
GIFM-BU 200 x 150-400	90.00	
GIFM-BU 200 x 150-400	110.00	
GIFM-BU 200 x 150-500	75.00	
GIFM-BU 200 x 150-500	90.00	
GIFM-BU 200 x 150-500	110.00	
GIFM-BU 200 x 150-500	132.00	
GIFM-BU 200 x 150-500	160.00	
GIFM-BU 200 x 150-500	200.00	\$46,206 6 Pole
motor options available upon request-POA		

Product Code: GIFM-BU		
Model	kW	415 V 3 Phase 50Hz
GIFM-BU 250 x 200-315	30.00	
GIFM-BU 250 x 200-315	37.00	
GIFM-BU 250 x 200-315	45.00	
GIFM-BU 250 x 200-315	55.00	
GIFM-BU 250 x 200-315	75.00	
GIFM-BU 250 x 200-400	75.00	
GIFM-BU 250 x 200-400	90.00	
GIFM-BU 250 x 200-400	110.00	
GIFM-BU 250 x 200-400	132.00	
GIFM-BU 250 x 200-400	160.00	\$45,706 6 Pole
motor options available upon request-POA		

ISO Motor Pump Bases



- Base only
- Galvanised and drilled - Packers not included

Product Code: AKMS

Model	
60140	BASE MOTOR PUMP 600x426x40 5MM
60141	BASE MOTOR PUMP 750x520x74 5MM
60142	BASE MOTOR PUMP 900x572x93 6MM
60143	BASE MOTOR PUMP 1100x622x68 6MM
60144	BASE MOTOR PUMP 1200x676x120 8MM
60145	BASE MOTOR PUMP 1500x775x120 12MM



GIS & GIMP SERIES - STUB-SHAFT



GIMP

Goulds GIS Series–ISO Motor Pump

Stub-Shaft / Close Coupled ISO2858

- AISI 304 stainless steel impeller complete with wear rings - Cast iron pump casing
- Pump casing 16 bar
- Motor IP55
- Carbon ceramic shaft seal
- All 316 stainless steel construction available on request -
- Price includes impeller trim to non-overloading motor size
- Standard offering with Weg motor; other motor manufacturers available on request
- 2 year warranty
- Freight charges apply to this product range



GIMP-BU

2 Pole–2900 RPM

Product Code:		GIMP	GIMP-BU
Model	kW	Without Base	With Base
50 x 32-160	3.00		
50 x 32-160	4.00		
50 x 32-160	5.50		
50 x 32-200	5.50		
50 x 32-200	7.50		
50 x 32-200	11.00		
65 x 50-160	4.00		
65 x 50-160	5.50		
65 x 50-160	7.50		
65 x 40-200	7.50		
65 x 40-200	11.00		
65 x 40-200	15.00		
65 x 40-250	11.00		
65 x 40-250	15.00		
65 x 40-250	18.50		
65 x 40-250	22.00		
65 x 40-250	30.00		
65 x 40-315	22.00		
65 x 40-315	30.00		
65 x 40-315	37.00		
65 x 40-315	45.00		
80 x 65-160	5.50		
80 x 65-160	7.50		
80 x 65-160	11.00		
80 x 65-160	15.00		
80 x 50-200	11.00		
80 x 50-200	15.00		
80 x 50-200	18.50		
80 x 50-200	22.00		
80 x 50-250	18.50		
80 x 50-250	22.00		
80 x 50-250	30.00		
80 x 50-250	37.00		
80 x 50-250	45.00		

Product Code:		GIMP	GIMP-BU
Model	kW	Without Base	With Base
80 x 50-315	30.00		
80 x 50-315	37.00		
80 x 50-315	45.00		
80 x 50-315	55.00		
80 x 50-315	75.00		
100 x 80-160	11.00		
100 x 80-160	15.00		
100 x 80-160	18.50		
100 x 80-160	22.00		
100 x 65-200	15.00		
100 x 65-200	18.50		
100 x 65-200	22.00		
100 x 65-200	30.00		
100 x 65-200	37.00		
100 x 65-250	30.00		
100 x 65-250	37.00		
100 x 65-250	45.00		
100 x 65-250	55.00		
100 x 65-250	75.00		
100 x 65-315	55.00		
100 x 65-315	75.00		
100 x 65-315	90.00		
100 x 65-315	110.00		
125 x 100-200	30.00		
125 x 100-200	37.00		
125 x 100-200	45.00		
125 x 100-200	55.00		
125 x 100-200	75.00		
125 x 100-250	55.00		
125 x 100-250	75.00		
125 x 100-250	90.00		
125 x 100-250	110.00		
125 x 100-315	90.00		
125 x 100-315	110.00		



GIS & GIMP SERIES - STUB-SHAFT

Goulds GIS Series (Cont.)

4 Pole-1450 RPM



GIMP



GIMP-BU

Product Code:		GIMP	GIMP-BU
Model	kW	Without Base	With Base
50 x 32-160	0.75		
50 x 32-200	0.75		
50 x 32-200	1.10		
50 x 32-200	1.50		
65 x 50-160	0.75		
65 x 50-160	1.10		
65 x 40-200	1.10		
65 x 40-200	1.50		
65 x 40-200	2.20		
65 x 40-250	1.10		
65 x 40-250	1.50		
65 x 40-250	2.20		
65 x 40-250	3.00		
65 x 40-315	2.20		
65 x 40-315	3.00		
65 x 40-315	4.00		
65 x 40-315	5.50		
65 x 40-315	7.50		
80 x 65-160	1.10		
80 x 65-160	1.50		
80 x 50-200	1.50		
80 x 50-200	2.20		
80 x 50-200	3.00		
80 x 50-250	3.00		
80 x 50-250	4.00		
80 x 50-250	5.50		
80 x 50-315	4.00		
80 x 50-315	5.50		
80 x 50-315	7.50		
100 x 80-160	1.10		
100 x 80-160	1.50		
100 x 80-160	2.20		
100 x 80-160	3.00		
100 x 80-160	4.00		
100 x 65-200	2.20		
100 x 65-200	3.00		
100 x 65-200	4.00		
100 x 65-200	5.50		
100 x 65-250	3.00		
100 x 65-250	4.00		
100 x 65-250	5.50		
100 x 65-250	7.50		

Product Code:		GIMP	GIMP-BU
Model	kW	Without Base	With Base
100 x 65-315	5.50		
100 x 65-315	7.50		
100 x 65-315	11.0		
100 x 65-315	15.0		
125 x 100-200	3.00		
125 x 100-200	4.00		
125 x 100-200	5.50		
125 x 100-200	7.50		
125 x 100-250	7.50		
125 x 100-250	11.00		
125 x 100-250	15.00		
125 x 100-250	18.50		
125 x 100-315	11.00		
125 x 100-315	15.00		
125 x 100-315	18.50		
125 x 100-315	22.00		
125 x 80-400	11.00		
125 x 80-400	15.00		
125 x 80-400	18.50		
125 x 80-400	22.00		
125 x 80-400	30.00		
125 x 100-400	18.50		
125 x 100-400	22.00		
125 x 100-400	30.00		
125 x 100-400	37.00		
125 x 100-400	45.00		
150 x 125-250	11.00		
150 x 125-250	15.00		
150 x 125-250	18.50		
150 x 125-250	22.00		
150 x 125-315	18.50		
150 x 125-315	22.00		
150 x 125-315	30.00		
150 x 125-315	37.00		
150 x 125-400	30.00		
150 x 125-400	37.00		
150 x 125-400	45.00		
150 x 125-400	55.00		
150 x 125-400	75.00		



IR SERIES - EXTENDED SHAFT VERSION - CAST IRON



IR Series

End Suction Close-Coupled Centrifugal Pumps

Extended shaft version

- Cast Iron construction with 316L stainless steel impeller - Motor IP55
- All stainless steel AISI316 and marine bronze available on request
- Price does not include mating flanges

SAER[®]
ELETTROPOMPE



2 Pole–2900 RPM

Product Code: SRIR		
Model	kW	415 V 3 Phase 50Hz
IR32-160A	3.00	
IR32-200NC	4.00	
IR32-200NB	5.50	
IR40-125B	2.20	
IR40-160NC/B	3.00	
IR40-160NC/A	4.00	
IR40-160NB/A	5.50	
IR40-200B	5.50	
IR40-200A	7.50	
IR40-200NB	7.50	
IR50-125C	2.20	
IR50-125B	3.00	
IR50-125A	4.00	
IR50-160B	5.50	
IR50-160NB	7.50	
IR50-200B	11.00	
IR65-125C	4.00	
IR65-125A	7.50	

COUNTERFLANGE KITS–PN16 Pressed Steel Zinc-Plated Threaded Flanges
NOTE: Kits comprise 2 flanges of different sizes, gaskets and bolts

32mm Suits IR32	LWFH 109.390.461
40mm Suits IR40	LWFH 109.390.471
50mm Suits IR50	LWFH 109.390.481
65mm Suits IR65	LWFH 109.390.491



Full range of IR models including different materials,
all available upon request.



CO SERIES - 316 STAINLESS STEEL



CO Series—316 Stainless Steel

Open Impeller Centrifugal Pumps

- Semi-open impeller: 350 series 10mm soft solids, 500 series 20mm soft solids
- M denotes single-phase - IP55 protection
- Standard mech seal carbon/ceramic–viton

- Single-phase pumps supplied with lead and plug
- Maximum temperature 110°C
- 1 year warranty

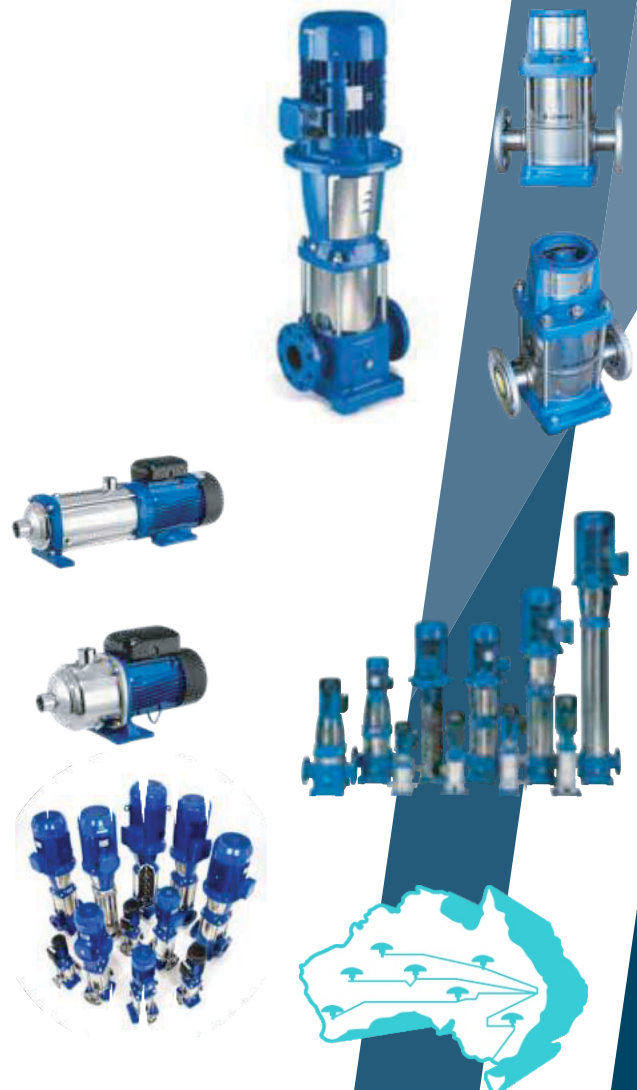


Product Code: LWCO		
Model	kW	240 V 1 Phase 50Hz
COM 350/03	0.37	
COM 350/05	0.55	
COM 350/07	0.75	
COM 350/09	0.90	
COM 350/11	1.10	
COM 350/15	1.50	
COM 500/15	1.50	
COM 500/22	2.20	

Product Code: LWCO		
Model	kW	415 V 3 Phase 50Hz
CO 350/03	0.37	
CO 350/05	0.55	
CO 350/07	0.75	
CO 350/09	0.90	
CO 350/11	1.10	
CO 350/15	1.50	
CO 500/15	1.50	
CO 500/22	2.20	
CO 500/30	3.00	

Multi Stage Pumps

Horizontal MultiStage
Vertical MultiStage





MULTI STAGE HORIZONTAL PUMPS

e-HM SERIES



e-HM Series

Horizontal Multi-Stage Centrifugal Pumps

- T denotes three-phase
- Standard mech seal carbon/ceramic-EPDM
- Single-phase pumps supplied with lead and plug
- Pump casing, seal plate, diffusers in AISI 304 stainless steel
- Noryl impellers

- IP55
- AS/NZ4020 approved
- 2 year warranty



Please Note: Pump performance varies depending on phase and materials, refer to technical data books.

Noryl Impeller

Product Code: LWHM			Product Code: LWHM		
Model	kW	240 V 1 Phase 50Hz	Model	kW	415 V 3 Phase 50Hz
1HM-03	0.50		1HM-02T	0.30	
1HM-04	0.50		1HM-03T	0.30	
1HM-05	0.50		1HM-04T	0.40	
1HM-06	0.75		1HM-05T	0.50	
			1HM-06T	0.75	
3HM-02	0.50				
3HM-03	0.50		3HM-02T	0.30	
3HM-04	0.50		3HM-03T	0.40	
3HM-05	0.75		3HM-04T	0.50	
3HM-06	0.95		3HM-05T	0.75	
			3HM-06T	1.10	
5HM-02	0.50				
5HM-03	0.50		5HM-02T	0.40	
5HM-04	0.75		5HM-03T	0.50	
5HM-05	0.95		5HM-04T	1.10	
5HM-06	1.10		5HM-05T	1.10	
			5HM-06T	1.50	
10HM-02	1.10				
10HM-03	1.50		10HM-02T	1.10	
10HM-04	2.20		10HM-03T	1.50	
10HM-05	2.20		10HM-04T	2.20	
			10HM-05T	3.00	
			10HM-06T	3.00	



e-HM SERIES



e-HMS Series–304 Stainless Steel

Horizontal Multi-Stage Centrifugal Pumps

- Pump casing, seal plate, diffusers and impellers in AISI 304 stainless steel - Single-phase pumps supplied with lead and plug
- T denotes three-phase
- S denotes AISI 304 stainless steel complete wet end
- IP55
- AS/NZ4020 approved
- 2 year warranty
- Available in AISI 316 stainless steel - POA

Please Note: Pump performance varies depending on phase and materials, refer to technical data books.

AISI304 Impeller

Product Code: LWHM		
Model	kW	240 V 1 Phase 50Hz
1HMS-06	0.50	\$868
1HMS-07	0.55	
1HMS-08	0.55	
1HMS-09	0.55	
1HMS-11	0.55	
1HMS-12	0.55	
1HMS-14	0.75	
1HMS-16	0.75	
1HMS-18	0.75	
1HMS-20	0.95	
1HMS-22	0.95	
1HMS-25	1.10	
3HMS-03	0.50	
3HMS-04	0.50	
3HMS-05	0.50	
3HMS-06	0.50	
3HMS-07	0.55	
3HMS-08	0.75	
3HMS-09	0.75	
3HMS-10	0.75	
3HMS-11	0.95	
3HMS-12	0.95	
3HMS-13	1.10	
3HMS-14	1.10	
3HMS-16	1.50	
3HMS-17	1.50	
3HMS-19	1.50	
3HMS-21	2.20	

Product Code: LWHM		
Model	kW	240 V 1 Phase 50Hz
5HMS-02	0.50	
5HMS-03	0.50	
5HMS-04	0.50	
5HMS-05	0.75	
5HMS-06	0.75	
5HMS-07	0.95	
5HMS-08	0.95	
5HMS-09	1.10	
5HMS-10	1.50	
5HMS-11	1.50	
5HMS-12	1.50	
5HMS-13	2.20	
5HMS-14	2.20	
5HMS-15	2.20	
5HMS-17	2.20	
10HMS-02	1.10	
10HMS-03	1.10	
10HMS-04	1.50	
10HMS-05	2.20	
10HMS-06	2.20	
15HMS-02	1.50	
15HMS-03	2.20	
22HMS-02	2.20	



e-HM SERIES

e-HMS Series (Cont.)

AISI304 Impeller



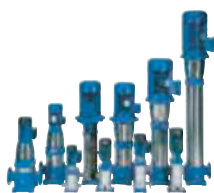
Product Code: LWHM		
Model	kW	415 V 3 Phase 50Hz
1HMS-02T	0.30	
1HMS-03T	0.30	
1HMS-04T	0.30	
1HMS-05T	0.30	
1HMS-06T	0.30	
1HMS-07T	0.55	
1HMS-08T	0.55	
1HMS-09T	0.55	
1HMS-11T	0.55	
1HMS-12T	0.55	
1HMS-14T	0.75	
1HMS-16T	0.75	
1HMS-18T	1.10	
1HMS-20T	1.10	
1HMS-22T	1.10	
1HMS-25T	1.50	
3HMS-02T	0.30	
3HMS-03T	0.30	
3HMS-04T	0.30	
3HMS-05T	0.40	
3HMS-06T	0.50	
3HMS-07T	0.75	
3HMS-08T	0.75	
3HMS-09T	1.10	
3HMS-10T	1.10	
3HMS-11T	1.10	
3HMS-12T	1.10	
3HMS-13T	1.10	
3HMS-14T	1.50	
3HMS-16T	1.50	
3HMS-17T	1.50	
3HMS-19T	2.20	
3HMS-21T	2.20	

Product Code: LWHM		
Model	kW	415 V 3 Phase 50Hz
5HMS-02T	0.30	
5HMS-03T	0.40	
5HMS-04T	0.50	
5HMS-05T	0.75	
5HMS-06T	1.10	
5HMS-07T	1.10	
5HMS-08T	1.10	
5HMS-09T	1.50	
5HMS-10T	1.50	
5HMS-11T	1.50	
5HMS-12T	2.20	
5HMS-13T	2.20	
5HMS-14T	2.20	
5HMS-15T	2.20	
5HMS-17T	3.00	
5HMS-19T	3.00	
5HMS-21T	3.00	
10HMS-02T	0.75	
10HMS-03T	1.10	
10HMS-04T	1.50	
10HMS-05T	2.20	
10HMS-06T	2.20	
10HMS-07T	3.00	
10HMS-08T	3.00	
10HMS-09T	4.00	
10HMS-10T	4.00	
10HMS-11T	4.00	
10HMS-12T	5.50	
10HMS-13T	5.50	
15HMS-02T	1.50	
15HMS-03T	2.20	
15HMS-04T	3.00	
15HMS-05T	4.00	
15HMS-06T	5.50	
15HMS-07T	5.50	
22HMS-02T	2.20	
22HMS-03T	3.00	
22HMS-04T	4.00	
22HMS-05T	5.50	



MULTI STAGE VERTICAL PUMPS

e-SV SERIES



e-SV Series—1, 3, 5, 10, 15, 22

- AISI 304 Stainless steel vertical multi-stage pumps - 25 bar rated
- All wetted components manufactured in stainless steel - All 316L stainless steel construction available POA
- In line configuration with round flanges
- Motor IP55
- Standard mech seal sic/carb-EDPM
- 2 year warranty on e-SV multi-stage pumps - AS/NZS 4020 approved for potable water
- Please note mating flanges not included in price refer to page 40 for flange pricing



1 e-SV Series

Product Code: LWSV		
Model	kW	240 V 1 Phase 50Hz
1SV02F003M	0.37	
1SV03F003M	0.37	
1SV04F003M	0.37	
1SV05F003M	0.37	
1SV06F003M	0.37	
1SV07F003M	0.37	
1SV08F005M	0.55	
1SV09F005M	0.55	
1SV10F005M	0.55	
1SV11F005M	0.55	
1SV12F007M	0.75	
1SV13F007M	0.75	
1SV15F007M	0.75	
1SV17F011M	1.10	
1SV19F011M	1.10	
1SV22F011M	1.10	
1SV25F015M	1.50	
1SV27F015M	1.50	
1SV30F015M	1.50	
1SV32F022M	2.20	
1SV34F022M	2.20	
1SV37F022M	2.20	

Product Code: LWSV		
Model	kW	415 V 3 Phase 50Hz
1SV02F003T	0.37	
1SV03F003T	0.37	
1SV04F003T	0.37	
1SV05F003T	0.37	
1SV06F003T	0.37	
1SV07F003T	0.37	
1SV08F005T	0.55	
1SV09F005T	0.55	
1SV10F005T	0.55	
1SV11F005T	0.55	
1SV12F007T	0.75	
1SV13F007T	0.75	
1SV15F007T	0.75	
1SV17F011T	1.10	
1SV19F011T	1.10	
1SV22F011T	1.10	
1SV25F015T	1.50	
1SV27F015T	1.50	
1SV30F015T	1.50	
1SV32F022T	2.20	
1SV34F022T	2.20	
1SV37F022T	2.20	



e-SV SERIES

e-SV Series (Cont.)

3 e-SV Series

Product Code: LWSV		
Model	kW	240 V 1 Phase 50Hz
3SV02F003M	0.37	
3SV03F003M	0.37	
3SV04F003M	0.37	
3SV05F005M	0.55	
3SV06F005M	0.55	
3SV07F007M	0.75	
3SV08F007M	0.75	
3SV09F011M	1.10	
3SV10F011M	1.10	
3SV11F011M	1.10	
3SV12F011M	1.10	
3SV13F015M	1.50	
3SV14F015M	1.50	
3SV16F015M	1.50	
3SV19F022M	2.20	
3SV21F022M	2.20	
3SV23F022M	2.20	
3SV25F022M	2.20	\$3,130 Single-
phase options up to 3 kW available on request POA		

Product Code: LWSV		
Model	kW	415 V 3 Phase 50Hz
3SV02F003T	0.37	
3SV03F003T	0.37	
3SV04F003T	0.37	
3SV05F005T	0.55	
3SV06F005T	0.55	
3SV07F007T	0.75	
3SV08F007T	0.75	
3SV09F011T	1.10	
3SV10F011T	1.10	
3SV11F011T	1.10	
3SV12F011T	1.10	
3SV13F015T	1.50	
3SV14F015T	1.50	
3SV16F015T	1.50	
3SV19F022T	2.20	
3SV21F022T	2.20	
3SV23F022T	2.20	
3SV25F022T	2.20	
3SV27F030T	3.00	
3SV29F030T	3.00	
3SV31F030T	3.00	
3SV33F030T	3.00	

5 e-SV Series

Product Code: LWSV		
Model	kW	240 V 1 Phase 50Hz
5SV02F003M	0.37	
5SV03F005M	0.55	
5SV04F005M	0.55	
5SV05F007M	0.75	
5SV06F011M	1.10	
5SV07F011M	1.10	
5SV08F011M	1.10	
5SV09F015M	1.50	
5SV10F015M	1.50	
5SV11F015M	1.50	
5SV12F022M	2.20	
5SV13F022M	2.20	
5SV14F022M	2.20	
5SV15F022M	2.20	
5SV16F022M	2.20	
Single-phase options up to 5.5 kW available on request POA		

Product Code: LWSV		
Model	kW	415 V 3 Phase 50Hz
5SV02F003T	0.37	
5SV03F005T	0.55	
5SV04F005T	0.55	
5SV05F007T	0.75	
5SV06F011T	1.10	
5SV07F011T	1.10	
5SV08F011T	1.10	
5SV09F015T	1.50	
5SV10F015T	1.50	
5SV11F015T	1.50	
5SV12F022T	2.20	
5SV13F022T	2.20	
5SV14F022T	2.20	
5SV15F022T	2.20	
5SV16F022T	2.20	
5SV18F030T	3.00	
5SV21F030T	3.00	
5SV23F040T	4.00	
5SV25F040T	4.00	
5SV28F040T	4.00	
5SV30F055T	5.50	
5SV33F055T	5.50	



e-SV SERIES

e-SV Series (Cont.)

10 e-SV Series

Product Code: LWSV		
Model	kW	240 V 1 Phase 50Hz
10SV01F007M	0.75	
10SV02F007M	0.75	
10SV03F011M	1.10	
10SV04F015M	1.50	
10SV05F022M	2.20	
10SV06F022M	2.20	
Single-phase options up to 7.5 kW available on request POA		

Product Code: LWSV		
Model	kW	415 V 3 Phase 50Hz
10SV01F007T	0.75	
10SV02F007T	0.75	
10SV03F011T	1.10	
10SV04F015T	1.50	
10SV05F022T	2.20	
10SV06F022T	2.20	
10SV07F030T	3.00	
10SV08F030T	3.00	
10SV09F040T	4.00	
10SV10F040T	4.00	
10SV11F040T	4.00	
10SV13F055T	5.50	
10SV15F055T	5.50	
10SV17F075T	7.50	
10SV18F075T	7.50	
10SV20F075T	7.50	
10SV21F110T	11.00	

15 e-SV Series

Product Code: LWSV		
Model	kW	240 V 1 Phase 50Hz
15SV01F011M	1.10	
15SV02F022M	2.20	
Single-phase options up to 7.5 kW available on request POA		

Product Code: LWSV		
Model	kW	415 V 3 Phase 50Hz
15SV01F011T	1.10	
15SV02F022T	2.20	
15SV03F030T	3.00	
15SV04F040T	4.00	
15SV05F040T	4.00	
15SV06F055T	5.50	
15SV07F055T	5.50	
15SV08F075T	7.50	
15SV09F075T	7.50	
15SV10F110T	11.00	
15SV11F110T	11.00	
15SV13F110T	11.00	
15SV15F150T	15.00	
15SV17F150T	15.00	



e-SV SERIES

e-SV Series (Cont.)

22 e-SV Series

Product Code: LWSV		
Model	kW	240 V 1 Phase 50Hz
22SV01F011M	1.10	
22SV02F022M	2.20	
Single-phase options up to 7.5 kW available on request POA		

Product Code: LWSV		
Model	kW	415 V 3 Phase 50Hz
22SV01F011T	1.10	
22SV02F022T	2.20	
22SV03F030T	3.00	
22SV04F040T	4.00	
22SV05F055T	5.50	
22SV06F075T	7.50	
22SV07F075T	7.50	
22SV08F110T	11.00	
22SV09F110T	11.00	
22SV10F110T	11.00	
22SV12F150T	15.00	
22SV14F150T	15.00	
22SV17F185T	18.50	

e-SV Counterflange Kits

eSV Series–PN25 Pressed Steel Zinc-Plated Threaded Flanges			
Suit 1eSV to 3eSV	25mm 4 holes	LWSV109.398.000	
Suit 5eSV	32mm 4 holes	LWSV109.398.010	
Suit 10eSV	40mm 4 holes	LWSV109.398.020	
Suit 15eSV to 22eSV	50mm 4 holes	LWSV109.398.030	

eSV Series–PN16 304 Stainless Steel Threaded Flanges			
Suit 1eSV to 3eSV	25mm 4 holes	LWSV109.398.001	
Suit 5eSV	32mm 4 holes	LWSV109.398.011	
Suit 10eSV	40mm 4 holes	LWSV109.398.021	
Suit 15eSV to 22eSV	50mm 4 holes	LWSV109.398.031	



e-SV SERIES



e-SV Series—33, 46, 66, 92, 125

- Stainless steel \ cast iron vertical multi-stage pumps -
- Up to 40 bar as shown
- 316L stainless steel construction available POA -
- In line configuration with round flanges
- Single-phase options up to 7.5 kW available on request -
- Motor IP55
- 2 year warranty
- AS/NZS 4020 approved for potable water
- Counter flanges available refer page 42



e-SV 33 Series

Product Code: LWSV			
Model	Flange Rating	kW	415 V 3 Phase 50Hz
SV33-01/1F22T	16 bar	2.20	
SV33-01F30T	16 bar	3.00	
SV33-02/2F40T	16 bar	4.00	
SV33-02/1F40T	16 bar	4.00	
SV33-02F55T	16 bar	5.50	
SV33-03/2F55T	16 bar	5.50	
SV33-03/1F75T	16 bar	7.50	
SV33-03F75T	16 bar	7.50	
SV33-04/2F75T	16 bar	7.50	
SV33-04/1F110T	16 bar	11.00	
SV33-04F110T	16 bar	11.00	
SV33-05/2F110T	16 bar	11.00	
SV33-05/1F110T	16 bar	11.00	
SV33-05F150T	16 bar	15.00	
SV33-06/2F150T	16 bar	15.00	
SV33-06/1F150T	25 bar	15.00	
SV33-06F150T	25 bar	15.00	
SV33-07/2F150T	25 bar	15.00	
SV33-07/1F185T	25 bar	18.50	
SV33-07F185T	25 bar	18.50	
SV33-08/2F185T	25 bar	18.50	
SV33-08/1F185T	25 bar	18.50	
SV33-08F220T	25 bar	22.00	
SV33-09/2F220T	25 bar	22.00	
SV33-09/1F220T	25 bar	22.00	
SV33-09F220T	25 bar	22.00	
SV33-10/2F220T	25 bar	22.00	
SV33-10/1F300T	25 bar	30.00	
SV33-10F300T	25 bar	30.00	
SV33-11/2F300T	40 bar	30.00	
SV33-11/1F300T	40 bar	30.00	
SV33-11F300T	40 bar	30.00	
SV33-12/2F300T	40 bar	30.00	
SV33-12/1F300T	40 bar	30.00	
SV33-12F300T	40 bar	30.00	
SV33-13/2F300T	40 bar	30.00	
SV33-13/1F300T	40 bar	30.00	

e-SV 46 Series

Product Code: LWSV			
Model	Flange Rating	kW	415 V 3 Phase 50Hz
SV46-01/1F30T	16 bar	3.00	
SV46-01F40T	16 bar	4.00	
SV46-02/2F55T	16 bar	5.50	
SV46-02F75T	16 bar	7.50	
SV46-03/2F110T	16 bar	11.00	
SV46-03F110T	16 bar	11.00	
SV46-04/2F150T	16 bar	15.00	
SV46-04F150T	16 bar	15.00	
SV46-05/2F185T	16 bar	18.50	
SV46-05F185T	16 bar	18.50	
SV46-06/2F220T	25 bar	22.00	
SV46-06F220T	25 bar	22.00	
SV46-07/2F300T	25 bar	30.00	
SV46-07F300T	25 bar	30.00	
SV46-08/2F300T	25 bar	30.00	
SV46-08F300T	25 bar	30.00	
SV46-09/2F300T	25 bar	30.00	
SV46-09F370T	25 bar	37.00	
SV46-10/2F370T	40 bar	37.00	
SV46-10F370T	40 bar	37.00	
SV46-11/2F450T	40 bar	45.00	
SV46-11F450T	40 bar	45.00	
SV46-12/2F450T	40 bar	45.00	
SV46-12F450T	40 bar	45.00	
SV46-13/2F450T	40 bar	45.00	



e-SV SERIES

SV Series (Cont.)

e-SV 66 Series

Product Code: LWSV			
Model	Flange Rating	kW	415 V 3 Phase 50Hz
SV66-01/1F40T	16 bar	4.00	
SV66-01F55T	16 bar	5.50	
SV66-02/2F75T	16 bar	7.50	
SV66-02/1F110T	16 bar	11.00	
SV66-02F110T	16 bar	11.00	
SV66-03/2F150T	16 bar	15.00	
SV66-03/1F150T	16 bar	15.00	
SV66-03F185T	16 bar	18.50	
SV66-04/2F185T	16 bar	18.50	
SV66-04/1F220T	16 bar	22.00	
SV66-04F220T	16 bar	22.00	
SV66-05/2F300T	16 bar	30.00	
SV66-05/1F300T	16 bar	30.00	
SV66-05F300T	16 bar	30.00	
SV66-06/2F300T	25 bar	30.00	
SV66-06/1F300T	25 bar	30.00	
SV66-06F370T	25 bar	37.00	
SV66-07/2F370T	25 bar	37.00	
SV66-07/1F370T	25 bar	37.00	
SV66-07F450T	25 bar	45.00	
SV66-08/2F450T	25 bar	45.00	
SV66-08/1F450T	25 bar	45.00	
SV66-08F450T	25 bar	45.00	

e-SV 92 Series

Product Code: LWSV			
Model	Flange Rating	kW	415 V 3 Phase 50Hz
SV92-01/1F55T	16 bar	5.50	
SV92-01F75T	16 bar	7.50	
SV92-02/2F110T	16 bar	11.00	
SV92-02F150T	16 bar	15.00	
SV92-03/2F185T	16 bar	18.50	
SV92-03F220T	16 bar	22.00	
SV92-04/2F300T	16 bar	30.00	
SV92-04F300T	16 bar	30.00	
SV92-05/2F370T	25 bar	37.00	
SV92-05F370T	25 bar	37.00	
SV92-06/2F450T	25 bar	45.00	
SV92-06F450T	25 bar	45.00	
SV92-07/2F450T	25 bar	45.00	

SV Series SV125 pumps are also available upon request.

e-SV Counterflange Kits

SV Series–PN16 Pressed Steel Zinc-Plated Threaded Flanges			
Suit SV33	65mm 4 holes	LWSV109.392.710	
Suit SV46	80mm 8 holes	LWSV109.392.720	
Suit SV66/92	100mm 8 holes	LWSV109.392.730	



e-SV SERIES



e-SV Series–Bare Shaft Pumps

- Bare pumps only – stainless steel vertical multi-stage pumps
- 25 bar rated
- All wetted components manufactured in stainless steel - All 316L Stainless steel construction available POA
- In line configuration with round flanges
- Please note mating flanges not included in price
- Refer to page 80 for flange pricing
- 2 year warranty



1 e-SV Series

Product Code: LWSV		
Model	kW	Bare Pump only
1SV02B	0.37	
1SV03B	0.37	
1SV04B	0.37	
1SV05B	0.37	
1SV06B	0.37	
1SV07B	0.37	
1SV08B	0.55	
1SV09B	0.55	
1SV10B	0.55	
1SV11B	0.55	
1SV12B	0.75	
1SV13B	0.75	
1SV15B	0.75	
1SV17B	1.10	
1SV19B	1.10	
1SV22B	1.10	
1SV25B	1.50	
1SV27B	1.50	
1SV30B	1.50	
1SV32B	2.20	
1SV34B	2.20	
1SV37B	2.20	

3 e-SV Series

Product Code: LWSV		
Model	kW	Bare Pump only
3SV02B	0.37	
3SV03B	0.37	
3SV04B	0.37	
3SV05B	0.55	
3SV06B	0.55	
3SV07B	0.75	
3SV08B	0.75	
3SV09B	1.10	
3SV10B	1.10	
3SV11B	1.10	
3SV12B	1.10	
3SV13B	1.50	
3SV14B	1.50	
3SV16B	1.50	
3SV19B	2.20	
3SV21B	2.20	
3SV23B	2.20	
3SV25B	2.20	
3SV27B	3.00	
3SV29B	3.00	
3SV31B	3.00	
3SV33B	3.00	



e-SV SERIES

5 e-SV Series

Product Code: LWSV		
Model	kW	Bare Pump only
5SV02B	0.37	
5SV03B	0.55	
5SV04B	0.55	
5SV05B	0.75	
5SV06B	1.10	
5SV07B	1.10	
5SV08B	1.10	
5SV09B	1.50	
5SV10B	1.50	
5SV11B	1.50	
5SV12B	2.20	
5SV13B	2.20	
5SV14B	2.20	
5SV15B	2.20	
5SV16B	2.20	
5SV18B	3.00	
5SV21B	3.00	
5SV23B	4.00	
5SV25B	4.00	
5SV28B	4.00	
5SV30B	5.50	
5SV33B	5.50	

10 e-SV Series

Product Code: LWSV		
Model	kW	Bare Pump only
10SV01B	0.75	
10SV02B	0.75	
10SV03B	1.10	
10SV04B	1.50	
10SV05B	2.20	
10SV06B	2.20	
10SV07B	3.00	
10SV08B	3.00	
10SV09B	4.00	
10SV10B	4.00	
10SV11B	4.00	
10SV13B	5.50	
10SV15B	5.50	
10SV17B	7.50	
10SV18B	7.50	
10SV20B	7.50	
10SV21B	11.00	

15 e-SV Series

Product Code: LWSV		
Model	kW	Bare Pump only
15SV01B	1.10	
15SV02B	2.20	
15SV03B	3.00	
15SV04B	4.00	
15SV05B	4.00	
15SV06B	5.50	
15SV07B	5.50	
15SV08B	7.50	
15SV09B	7.50	
15SV10B	11.00	
15SV11B	11.00	
15SV13B	11.00	
15SV15B	15.00	
15SV17B	15.00	

22 e-SV Series

Product Code: LWSV		
Model	kW	Bare Pump only
22SV01B	1.10	
22SV02B	2.20	
22SV03B	3.00	
22SV04B	4.00	
22SV05B	5.50	
22SV06B	7.50	
22SV07B	7.50	
22SV08B	11.00	
22SV09B	11.00	
22SV10B	11.00	
22SV12B	15.00	
22SV14B	15.00	
22SV17B	18.50	



e-SV SERIES



e-SV Rotating Elements

Stainless steel vertical multi-stage pumps rotating elements -
 All wetted components manufactured in stainless steel
 - Mechanical seal and 'O' ring kit included in price up to 4kW
 - For e-SV1-3-5 P/No: LWSPKL01AAD
 - For e-SV10-15-22 up to 4 kW P/No: LWSPKL01AAE -
 Mechanical seal included in kits above 5.5kW
 - For e-SV10-15-22 above 5.5 kW P/No: LWSPKL01AD7



1 e-SV Series

Product Code: LWRE		
Model	Part No.	
1SV02F003	LWRE1SV02	
1SV03F003	LWRE1SV03	
1SV04F003	LWRE1SV04	
1SV05F003	LWRE1SV05	
1SV06F003	LWRE1SV06	
1SV07F003	LWRE1SV07	
1SV08F005	LWRE1SV08	
1SV09F005	LWRE1SV09	
1SV10F005	LWRE1SV10	
1SV11F005	LWRE1SV11	
1SV12F007	LWRE1SV12	
1SV13F007	LWRE1SV13	
1SV15F007	LWRE1SV15	
1SV17F011	LWRE1SV17	
1SV19F011	LWRE1SV19	
1SV22F011	LWRE1SV22	
1SV25F015	LWRE1SV25	
1SV27F015	LWRE1SV27	
1SV30F015	LWRE1SV30	
1SV32F022	LWRE1SV32	
1SV34F022	LWRE1SV34	
1SV37F022	LWRE1SV37	

3 e-SV Series

Product Code: LWRE		
Model	Part No.	
3SV02F003	LWRE3SV02	
3SV03F003	LWRE3SV03	
3SV04F003	LWRE3SV04	
3SV05F005	LWRE3SV05	
3SV06F005	LWRE3SV06	
3SV07F007	LWRE3SV07	
3SV08F007	LWRE3SV08	
3SV09F011	LWRE3SV09	
3SV10F011	LWRE3SV10	
3SV11F011	LWRE3SV11	
3SV12F011	LWRE3SV12	
3SV13F015	LWRE3SV13	
3SV14F015	LWRE3SV14	
3SV16F015	LWRE3SV16	
3SV19F022	LWRE3SV19	
3SV21F022	LWRE3SV21	
3SV23F022	LWRE3SV23	
3SV25F022	LWRE3SV25	
3SV27F030	LWRE3SV27	
3SV29F030	LWRE3SV29	
3SV31F030	LWRE3SV31	
3SV33F030	LWRE3SV33	



e-SV SERIES



e-SV Rotating Elements (Cont.)

5 e-SV Series

Product Code: LWRE	
Model	Part No.
5SV02F003	LWRE5SV02
5SV03F005	LWRE5SV03
5SV04F005	LWRE5SV04
5SV05F007	LWRE5SV05
5SV06F011	LWRE5SV06
5SV07F011	LWRE5SV07
5SV08F011	LWRE5SV08
5SV09F015	LWRE5SV09
5SV10F015	LWRE5SV10
5SV11F015	LWRE5SV11
5SV12F022	LWRE5SV12
5SV13F022	LWRE5SV13
5SV14F022	LWRE5SV14
5SV15F022	LWRE5SV15
5SV16F022	LWRE5SV16
5SV18F030	LWRE5SV18
5SV21F030	LWRE5SV21
5SV23F040	LWRE5SV23
5SV25F040	LWRE5SV25
5SV28F040	LWRE5SV28
5SV30F055	LWRE5SV30
5SV33F055	LWRE5SV33

10 e-SV Series

Product Code: LWRE	
Model	Part No.
10SV01F007	LWRE10SV01
10SV02F007	LWRE10SV02
10SV03F011	LWRE10SV03
10SV04F015	LWRE10SV04
10SV05F022	LWRE10SV05
10SV06F022	LWRE10SV06
10SV07F030	LWRE10SV07
10SV08F030	LWRE10SV08
10SV09F040	LWRE10SV09
10SV10F040	LWRE10SV10
10SV11F040	LWRE10SV11
10SV13F055	LWRE10SV13
10SV15F055	LWRE10SV15
10SV17F075	LWRE10SV17
10SV18F075	LWRE10SV18
10SV20F075	LWRE10SV20
10SV21F110	LWRE10SV21

15 e-SV Series

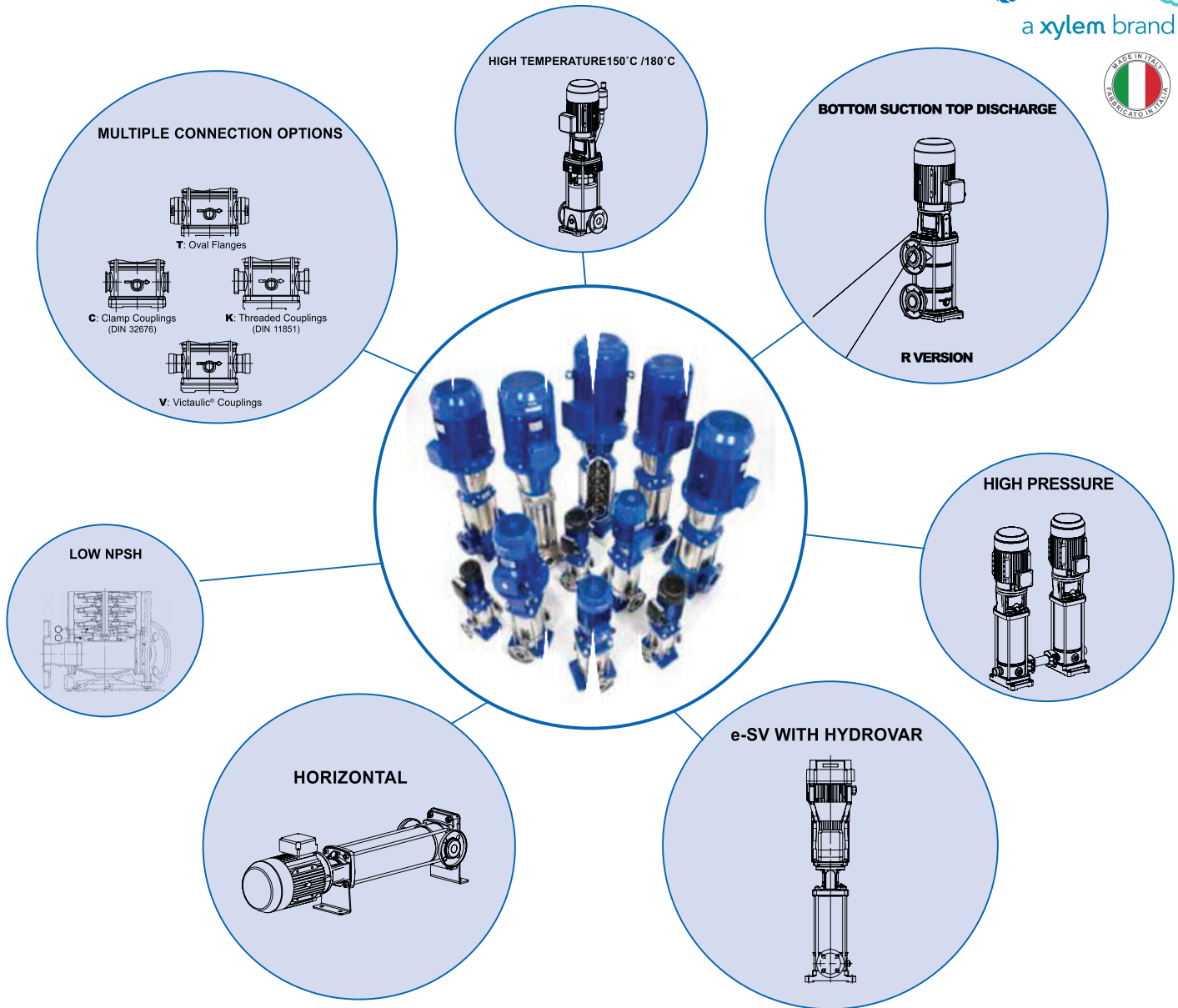
Product Code: LWRE	
Model	Part No.
15SV01F011	LWRE15SV01
15SV02F022	LWRE15SV02
15SV03F030	LWRE15SV03
15SV04F040	LWRE15SV04
15SV05F040	LWRE15SV05
15SV06F055	LWRE15SV06
15SV07F055	LWRE15SV07
15SV08F075	LWRE15SV08
15SV09F075	LWRE15SV09
15SV10F110	LWRE15SV10
15SV11F110	LWRE15SV11
15SV13F110	LWRE15SV13
15SV15F150	LWRE15SV15
15SV17F150	LWRE15SV17

22 e-SV Series

Product Code: LWRE	
Model	Part No.
22SV01F011	LWRE22SV01
22SV02F022	LWRE22SV02
22SV03F030	LWRE22SV03
22SV04F040	LWRE22SV04
22SV05F055	LWRE22SV05
22SV06F075	LWRE22SV06
22SV07F075	LWRE22SV07
22SV08F110	LWRE22SV08
22SV09F110	LWRE22SV09
22SV10F110	LWRE22SV10
22SV12F150	LWRE22SV12
22SV14F150	LWRE22SV14
22SV17F185	LWRE22SV17



e-SV Special Versions



COMPATIBILITY MATRIX The following table describes the recommended compatibility between the special versions of e-SV™.

SPECIAL VERSIONS	Low NPSH	High Pressure	High Temperature 150 or 180°C	Version with HYDROVAR™	Reducing Footprint "R"	Horizontal Installation	4 Pole
Low NPSH		•	•	••	•	••	Δ
High pressure	•		N/A	N/A	N/A	N/A	Δ
High Temperature 150 or 180°C	•	N/A			N/A	•	Δ
Version with HYDROVAR™	•	•	N/A		•		•
Reducing footprint "R" Horizontal Installation		N/A	N/A	••		Δ	•
4-Pole	•	•	N/A		Δ	•	•
= Available. = On Request. N/A=ΔNot Available. Δ			Δ		•		

• Δ

Lowara have developed a wide range of special versions of its vertical multistage e-SV to give an appropriate and dedicated solution to special applications and installations in industrial or building services markets. Available in all 304SS or 316SS materials of construction.

Contact your pumps direct specialist to discuss your requirements or call Michael at Irrigation Direct.

Booster Pumps

- Steady Press Booster System
- Hydro Pac - Single Systems
- Hydro Pac - Dual Systems
- Pressure Pac - Single Booster
- Hydro Pac - Single Booster
- Pressure Pac - Dual Booster





STEADY PRES-SINGLE PUMP BOOSTER

SteadyPres–Single Pump Booster Systems

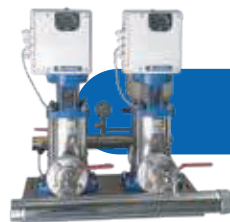
Variable Speed Controlled–Constant Pressure

- Price Includes:
 - 240volt Pump IP55
 - SteadyPres Controller IP65 with inbuilt non-return - Discharge fittings and isolation valves
 - PWL 8 or PWL18 Pressure Tank (dependent on system size)
- Pumps to AS/NZS 4020
- 2 year warranty on factory assembled booster systems - Freight charges apply to this product range



Product Code: LWHM	
Model	
3HM03-SP08	
3HM04-SP08	
3HM05-SP08	
5HM02-SP08	
5HM03-SP08	
5HM04-SP08	
5HM05-SP08	
5HM06-SP08	
3HMS04-SP08	
3HMS06-SP08	
5HMS03-SP08	
5HMS04-SP08	
5HMS05-SP08	

Product Code: LWSV	
Model	
3SV08F07-SP08	
3SV10F11-SP08	
3SV12F11-SP08	
3SV16F15-SP08	
5SV05F07-SP18	
5SV06F11-SP18	
5SV08F11-SP18	
5SV09F15-SP18	
5SV11F15-SP18	
5SV12F22-SP18	
5SV16F022-SP18	
10SV03F11-SP18	
10SV04F15-SP18	
10SV06F22-SP18	



Check out the Smart Pump Booster Sets with permanent magnet variable speed drives on page 16

**DOMESTIC AND COMMERCIAL
UV AND FILTRATION SYSTEMS
FOR HEALTHY, CLEAN WATER**

Packaged filtration systems, fully assembled and ready for installation.

Hand built and assembled by the team at Brown Brothers Engineers.

Contact us for more information.





HYDRO PAC-SINGLE BOOSTER

Hydro Pac-Single Booster System

Variable Speed Controlled

Price includes:

- e-SV multi-stage pump IP55 / Hydrovar controller IP55 / Stainless steel manifold / Pressure tank / Pressure gauge / Non-return valve and isolation valves all mounted on a stainless steel base
- Other models available on request - Manifold sizes as shown
- Pumps to AS/NZS 4020

- 2 year warranty on factory-assembled booster systems - Freight charges apply to this product range



Product Code: BSHP			
Model	Manifold	kW	240 V 1 Phase 50Hz
1SV22HPS-M	25mm	1.10	
1SV25HPS-M	25mm	1.50	
3SV10HPS-M	25mm	1.10	
3SV12HPS-M	25mm	1.10	
3SV16HPS-M	25mm	1.50	
3SV21HPS-M	25mm	2.20	
5SV08HPS-M	32mm	1.10	
5SV11HPS-M	32mm	1.50	
5SV13HPS-M	32mm	2.20	
5SV16HPS-M	32mm	2.20	
10SV03HPS-M	40mm	1.10	
10SV04HPS-M	40mm	1.50	
10SV05HPS-M	40mm	2.20	
10SV06HPS-M	40mm	2.20	
15SV01HPS-M	50mm	1.10	
15SV02HPS-M	50mm	2.20	
22SV01HPS-M	50mm	1.10	
22SV02HPS-M	50mm	2.20	\$7,785 Single-
phase options up to 4 kW available on request POA			

Product Code: BSHP			
Model	Manifold	kW	415 V 3 Phase 50Hz
1SV22HPS-T	25mm	1.10	
1SV25HPS-T	25mm	1.50	
3SV10HPS-T	25mm	1.10	
3SV12HPS-T	25mm	1.10	
3SV16HPS-T	25mm	1.50	
3SV21HPS-T	25mm	2.20	
5SV08HPS-T	32mm	1.10	
5SV11HPS-T	32mm	1.50	
5SV13HPS-T	32mm	2.20	
5SV16HPS-T	32mm	2.20	
5SV18HPS-T	32mm	3.00	
5SV21HPS-T	32mm	3.00	
10SV03HPS-T	40mm	1.10	
10SV04HPS-T	40mm	1.50	
10SV05HPS-T	40mm	2.20	
10SV06HPS-T	40mm	2.20	
10SV07HPS-T	40mm	3.00	
10SV08HPS-T	40mm	3.00	
10SV11HPS-T	40mm	4.00	
10SV13HPS-T	40mm	5.50	
15SV02HPS-T	50mm	2.20	
15SV03HPS-T	50mm	3.00	
15SV04HPS-T	50mm	4.00	
15SV05HPS-T	50mm	4.00	
15SV07HPS-T	50mm	5.50	
15SV09HPS-T	50mm	7.50	
15SV11HPS-T	50mm	11.00	
22SV02HPS-T	50mm	2.20	
22SV03HPS-T	50mm	3.00	
22SV04HPS-T	50mm	4.00	
22SV05HPS-T	50mm	5.50	
22SV07HPS-T	50mm	7.50	
22SV10HPS-T	50mm	11.00	



HYDRO PAC-DUAL BOOSTER



Hydro Pac-Dual Booster System

Variable Speed Controlled

Price includes:

- Dual e-SV multi-stage pumps IP55/ Dual Hydrovar controllers IP55 /Stainless steel manifolds / Pressure tank / Pressure gauge / Non-return valves and isolation valves all mounted on a stainless steel base
- Other models available on request - Manifold sizes as shown
- Pumps to AS/NZS 4020



- 2 year warranty on factory-assembled booster systems - Freight charges apply to this product range



Hydro Pac-Dual System

Product Code: BSHP			
Model	Manifold	kW	240 V 1 Phase 50Hz
1DSV22HPS-M	50mm	1.10	
1DSV25HPS-M	50mm	1.50	
3DSV10HPS-M	50mm	1.10	
3DSV12HPS-M	50mm	1.10	
3DSV16HPS-M	50mm	1.50	
3DSV21HPS-M	50mm	2.20	
5DSV08HPS-M	50mm	1.10	
5DSV11HPS-M	50mm	1.50	
5DSV13HPS-M	50mm	2.20	
5DSV16HPS-M	50mm	2.20	
10DSV03HPS-M	65mm	1.10	
10DSV04HPS-M	65mm	1.50	
10DSV05HPS-M	65mm	2.20	
10DSV06HPS-M	65mm	2.20	
15DSV01HPS-M	80mm	1.10	
15DSV02HPS-M	80mm	2.20	
22DSV01HPS-M	80mm	1.10	
22DSV02HPS-M	80mm	2.20	\$16,822 Single-

phase options up to 4 kW available on request POA

Product Code: BSHP			
Model	Manifold	kW	415 V 3 Phase 50Hz
1DSV22HPS-T	50mm	1.10	
1DSV25HPS-T	50mm	1.50	
3DSV10HPS-T	50mm	1.10	
3DSV12HPS-T	50mm	1.10	
3DSV16HPS-T	50mm	1.50	
3DSV21HPS-T	50mm	2.20	
3DSV33HPS-T	50mm	3.00	
5DSV08HPS-T	50mm	1.10	
5DSV11HPS-T	50mm	1.50	
5DSV13HPS-T	50mm	2.20	
5DSV16HPS-T	50mm	2.20	
5DSV21HPS-T	50mm	3.00	
10DSV03HPS-T	65mm	1.10	
10DSV04HPS-T	65mm	1.50	
10DSV06HPS-T	65mm	2.20	
10DSV07HPS-T	65mm	3.00	
10DSV08HPS-T	65mm	3.00	
10DSV09HPS-T	65mm	4.00	
10DSV10HPS-T	65mm	4.00	
10DSV11HPS-T	65mm	4.00	
10DSV13HPS-T	65mm	5.50	
15DSV01HPS-T	80mm	1.10	
15DSV02HPS-T	80mm	2.20	
15DSV03HPS-T	80mm	3.00	
15DSV05HPS-T	80mm	4.00	
15DSV07HPS-T	80mm	5.50	
15DSV09HPS-T	80mm	7.50	
15DSV11HPS-T	80mm	11.00	
22DSV01HPS-T	80mm	1.10	
22DSV02HPS-T	80mm	2.20	
22DSV03HPS-T	80mm	3.00	
22DSV04HPS-T	80mm	4.00	
22DSV05HPS-T	80mm	5.50	
22DSV07HPS-T	80mm	7.50	
22DSV10HPS-T	80mm	11.00	



Custom multiple pump systems (eg. triple, quads) are also available upon request.



PRESSURE PAC-SINGLE BOOSTER -240V

Pressure Pac-Single Booster System



Pressure Switch Controlled

Price includes:

- e-SV Multi-stage pump IP55 / Stainless steel manifold and base / Pressure tank / Pressure switch and gauge / Non-return valve and isolation valves
- Other models available on request
- Extra for 25mm 304 stainless steel flexible hose for free standing tanks
 - 0.5 metre length P/No: AKMS70221 \$81
 - 1.0 metre length P/No: AKMS70222 \$126
 - 1.5 metre length P/No: AKMS70223 \$131
- Three-phase systems include contactor and overload - Pumps to AS/NZS 4020

- 2 year warranty on factory-assembled booster systems - Freight charges apply to this product range



Product Code: BSPP		10 Bar	16 Bar	
240 V 1 Phase 50Hz (M)	Model	kW	PWL 18	PWL 18-16
	1SV09WPS-M 25mm manifold	0.55		-
	1SV11WPS-M "	0.55		-
	1SV15WPS-M "	0.75		-
	1SV22WPS-M "	1.10	-	
	1SV25WPS-M "	1.50	-	
	3SV08WPS-M 25mm manifold	0.75		-
	3SV11WPS-M "	1.10		-
	3SV13WPS-M "	1.50		-
	3SV16WPS-M "	1.50	-	
	3SV21WPS-M "	2.20	-	
	5SV06WPS-M 32mm manifold	1.10		-
	5SV08WPS-M "	1.10		-
	5SV11WPS-M "	1.50		-
	5SV13WPS-M "	2.20		-
	5SV16WPS-M "	2.20	-	
	10SV03WPS-M 40mm manifold	1.10		-
	10SV04WPS-M "	1.50		-
	10SV06WPS-M "	2.20		-
	15SV01WPS-M 50mm manifold	1.10		-
	15SV02WPS-M "	2.20		-
	22SV01WPS-M 50mm manifold	1.10		-
	22SV02WPS-M "	2.20		-



HYDRO PAC-SINGLE BOOSTER - 3 PHASE



Product Code: BSPP		10 Bar	16 Bar
Model	kW	PWL 18	PWL 18-16
1SV09WPS-T 25mm manifold	0.55		-
1SV11WPS-T "	0.55		-
1SV15WPS-T "	0.75		
1SV17WPS-T "	1.10	-	
1SV22WPS-T "	1.10	-	
1SV25WPS-T "	1.50	-	
3SV08WPS-T 25mm manifold	0.75		-
3SV11WPS-T "	1.10		-
3SV13WPS-T "	1.50		-
3SV16WPS-T "	1.50	-	
3SV21WPS-T "	2.20	-	
5SV06WPS-T 32mm manifold	1.10		-
5SV08WPS-T "	1.10		-
5SV11WPS-T "	1.50		-
5SV13WPS-T "	2.20		-
5SV16WPS-T "	2.20	-	
5SV21WPS-T "	3.00	-	
10SV03WPS-T 40mm manifold	1.10		-
10SV04WPS-T "	1.50		-
10SV05WPS-T "	2.20		-
10SV06WPS-T "	2.20		-
10SV08WPS-T "	3.00		-
10SV11WPS-T "	4.00	-	
10SV13WPS-T "	5.50	-	
15SV02WPS-T 50mm manifold	2.20		-
15SV03WPS-T "	3.00		-
15SV04WPS-T "	4.00		-
15SV05WPS-T "	4.00		-
15SV07WPS-T "	5.50		-
15SV09WPS-T "	7.50	-	
22SV02WPS-T 50mm manifold	2.20		-
22SV03WPS-T "	3.00		-
22SV04WPS-T "	4.00		-
22SV05WPS-T "	5.50		-
22SV07WPS-T "	7.50	-	

415 V 3 Phase 50Hz (T)



PRESSURE PAC-DUAL BOOSTER - 240V



Pressure Pac-Dual Booster System

Pressure Switch Controlled

Price includes:

- Dual e-SV Multi-stage pump IP55 / Stainless steel manifolds and base / Pressure tank / Pressure switch and gauge / Non-return valves and isolation valves
- Other models available on request
- Extra for 25mm 304 stainless steel flexible hose for free standing tanks -
 - 0.5 metre length P/No: AKMS70221 \$81
 - 1.0 metre length P/No: AKMS70222 \$126
 - 1.5 metre length P/No: AKMS70223 \$131
- Systems include basic dual alternating panel - Pumps to AS/NZS 4020
- 2 year warranty on factory-assembled booster systems - Freight charges apply to this product range



Product Code: BSPP		10 Bar	16 Bar	
240 V 1 Phase 50Hz (M)	Model	kW	PWL 18	PWL 18-16
	1DSV09WPS-M 50mm manifold	0.55		-
	1DSV11WPS-M "	0.55		-
	1DSV15WPS-M "	0.75		-
	1DSV17WPS-M "	1.10	-	
	1DSV22WPS-M "	1.10	-	
	1DSV25WPS-M "	1.50	-	
	3DSV08WPS-M 50mm manifold	0.75		-
	3DSV11WPS-M "	1.10		-
	3DSV13WPS-M "	1.50		-
	3DSV16WPS-M "	1.50	-	
	3DSV21WPS-M "	2.20	-	
	5DSV06WPS-M 50mm manifold	1.10		-
	5DSV08WPS-M "	1.10		-
	5DSV11WPS-M "	1.50		-
	5DSV13WPS-M "	2.20		-
	5DSV16WPS-M "	2.20	-	
	10DSV03WPS-M 65mm manifold	1.10		-
	10DSV04WPS-M "	1.50		-
	10DSV05WPS-M "	2.20		-
	10DSV06WPS-M "	2.20		-
	15DSV01WPS-M 80mm manifold	1.10		-
	15DSV02WPS-M "	2.20		-
22DSV01WPS-M 80mm manifold	1.10		-	
22DSV02WPS-M "	2.20		-	



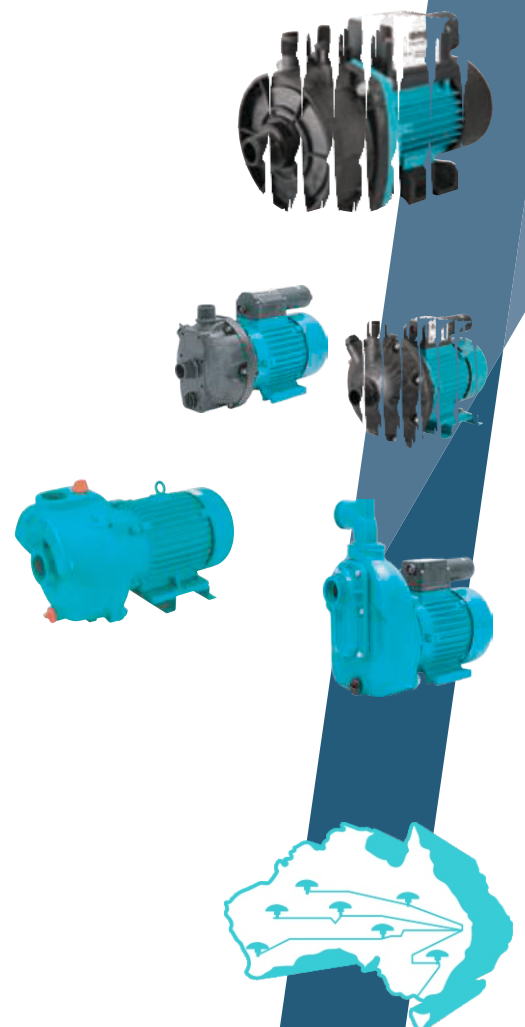
PRESSURE PAC-DUAL BOOSTER -240V

Pressure Pac-Dual Booster System (Cont.)

Product Code: BSPP		10 Bar	16 Bar	
415 V 3 Phase 50Hz (T)	Model	kW	PWL 18	PWL 18-16
		1DSV09WPS-T 50mm manifold	0.55	
	1DSV11WPS-T "	0.55		-
	1DSV15WPS-T "	0.75		-
	1DSV17WPS-T "	1.10	-	
	1DSV22WPS-T "	1.10	-	
	1DSV25WPS-T "	1.50	-	
	3DSV06WPS-T 50mm manifold	0.55		-
	3DSV08WPS-T "	0.75		-
	3DSV11WPS-T "	1.10		-
	3DSV13WPS-T "	1.50		-
	3DSV16WPS-T "	1.50	-	
	3DSV21WPS-T "	2.20	-	
	5DSV06WPS-T 50mm manifold	1.10		-
	5DSV08WPS-T "	1.10		-
	5DSV11WPS-T "	1.50		-
	5DSV13WPS-T "	2.20		-
	5DSV16WPS-T "	2.20	-	
	5DSV21WPS-T "	3.00	-	
	10DSV03WPS-T 65mm manifold	1.10		-
	10DSV04WPS-T "	1.50		-
	10DSV05WPS-T "	2.20		-
	10DSV06WPS-T "	2.20		-
	10DSV08WPS-T "	3.00		-
	10DSV11WPS-T "	4.00	-	
	10DSV13WPS-T "	5.50	-	
	15DSV02WPS-T 80mm manifold	2.20		-
	15DSV03WPS-T "	3.00		-
	15DSV04WPS-T "	4.00		-
	15DSV05WPS-T "	4.00		-
	15DSV07WPS-T "	5.50		-
	15DSV09WPS-T "	7.50	-	
	15DSV11WPS-T "	11.0	-	
	22DSV02WPS-T 80mm manifold	2.20		-
	22DSV03WPS-T "	3.00		-
	22DSV04WPS-T "	4.00		-
	22DSV05WPS-T "	5.50		-
	22DSV07WPS-T "	7.50	-	
	22DSV10WPS-T "	11.0	-	

Transfer Pumps

**SMH Multistage
Jet Pumps
Hi-Flo Composite
Hi-Flo Cast Iron
Self Priming Effluent**





112, 12, 14 SERIES - 400 SERIES - 18 SERIES -



			MANUAL PUMPS	
	kw/Ø	MATERIAL	PART NUMBER	LIST PRICE
112	1.10/1Ø	GLASS FILLED NORYL	311200	
112	1.10/3Ø	GLASS FILLED NORYL	311230	
112 BARESHAFT	1.10	GLASS FILLED NORYL	311240	
121	1.10/1Ø	GLASS FILLED NORYL	312100	
122	1.10/1Ø	GLASS FILLED NORYL	312200	
122	1.10/3Ø	GLASS FILLED NORYL	312203	
142	1.80/1Ø	GLASS FILLED NORYL	314200	
142	1.80/3Ø	GLASS FILLED NORYL	314230	
143	2.40/1Ø	GLASS FILLED NORYL	314300	
143	2.40/3Ø	GLASS FILLED NORYL	314330	
143 BARESHAFT	2.40	GLASS FILLED NORYL	314340	
147	1.80/1Ø	GLASS FILLED NORYL	314700	



			MANUAL PUMPS	
	kw/Ø	MATERIAL	PART NUMBER	LIST PRICE
413	0.37/1Ø	ABS	341300	
414	0.37/1Ø	ABS	341400	
415	0.70/1Ø	ABS	341500	
416	0.39/1Ø	ABS	341600	
417	0.67/1Ø	ABS	341700	



			MANUAL PUMPS	
	kw/Ø	MATERIAL	PART NUMBER	LIST PRICE
182	1.50/1Ø	CAST IRON	318200	
182	1.50/3Ø	CAST IRON	318230	
183	2.40/1Ø	CAST IRON	318300	
183	2.40/3Ø	CAST IRON	318330	
183 BARESHAFT	2.40	CAST IRON	318340	
184	3.80/1Ø	CAST IRON	318400	
184	3.80/3Ø	CAST IRON	318430	
184 BARESHAFT	3.80	CAST IRON	318440	
185	6.00/3Ø	CAST IRON	318530	
187	2.40/1Ø	CAST IRON	318700	
187	2.40/3Ø	CAST IRON	318730	



			MANUAL PUMPS	
	kw/Ø	MATERIAL	PART NUMBER	LIST PRICE
150	1.10/1Ø	CAST IRON	315000	
150	1.10/3Ø	CAST IRON	315030	
152	1.80/1Ø	CAST IRON	315200	
152 BARESHAFT	1.80	CAST IRON	315243	

Submersible Pumps

Submersible SC Series
Submersible e-GS Series
Submersible Z Series
Mbs Domestic Series
Layne Bowler Submersible
4OS Motors 4 inch
SAER Motors 6 inch & 8 inch
Hitachi Motors 6 inch & 8 inch





SC SERIES

SC Series



Scuba Submersible Pump

- Single-phase pumps supplied with 20m lead and 3-pin plug
- Three-phase models manual operation only, supplied with 20m lead and no plug
- Standard mech seal sic/sic-NBR
- AUTO denotes automatic operation complete with float
- Pump size 128mm OD
- Maximum submergence 17 metres
- 1 year warranty



Manual Operation (No Float)

Product Code: LWSC		
Model	kW	240 V 1 Phase 50Hz
1SC6	0.55	
1SC7	0.75	
1SC9	0.90	
3SC4	0.55	
3SC5	0.75	
3SC7	0.90	
3SC8	1.10	
3SC9	1.50	
5SC3	0.55	
5SC4	0.75	
5SC5	0.90	
5SC6	1.10	
5SC8	1.50	
8SC2	0.55	
8SC3	0.90	
8SC6	1.50	

Manual Operation (No Float)

Product Code: LWSC		
Model	kW	415 V 3 Phase 50Hz
1SC6-T	0.55	
1SC7-T	0.75	
1SC9-T	0.90	
3SC4-T	0.55	
3SC5-T	0.75	
3SC7-T	0.90	
3SC8-T	1.50	
3SC9-T	2.20	
5SC3-T	0.55	
5SC4-T	0.75	
5SC5-T	0.90	
5SC6-T	1.10	
5SC7-T	1.50	
5SC8-T	2.20	
8SC2-T	0.55	
8SC3-T	0.90	
8SC4-T	1.10	
8SC5-T	1.50	
8SC6-T	2.20	

Automatic Operation

Product Code: LWSC		
Model	kW	240 V 1 Phase 50Hz
1SC6-AUTO	0.55	
1SC7-AUTO	0.75	
1SC9-AUTO	0.90	
3SC4-AUTO	0.55	
3SC5-AUTO	0.75	
3SC7-AUTO	0.90	
3SC8-AUTO	1.10	
3SC9-AUTO	1.50	

Automatic Operation

Product Code: LWSC		
Model	kW	240 V 1 Phase 50Hz
5SC3-AUTO	0.55	
5SC4-AUTO	0.75	
5SC5-AUTO	0.90	
5SC6-AUTO	1.10	
5SC8-AUTO	1.50	
8SC2-AUTO	0.55	
8SC3-AUTO	0.90	
8SC6-AUTO	1.50	





e-GS SERIES



e-GS Series

4" Submersible Pumps

- For 100mm nominal bore and larger diameter wells
- Lowara motors 95mm OD, pump end 98mm OD complete with cable guard
- 2W denotes 2-wire
- 2-wire motors include 1.5m flat jacketed leads
- Price includes Splice Kit to suit 1.5mm² to 6mm² drop cable - Detachable motor lead
- 2 year warranty on e-GS submersibles and motors

4" Motor-2 Wire

Product Code: LWGS		
Model	kW	240V 1 Phase 50 Hz 2 Wire Only
1EGSL02/2W	0.37	
1EGSL03/2W	0.37	
1EGSL05/2W	0.55	
1EGSL07/2W	0.75	
1EGSL11/2W	1.10	
2EGS02/2W	0.37	
2EGS03/2W	0.37	
2EGS05/2W	0.55	
2EGS07/2W	0.75	
2EGS11/2W	1.10	
4EGS03/2W	0.37	
4EGS05/2W	0.55	
4EGS07/2W	0.75	
4EGS11/2W	1.10	
6EGS05/2W	0.55	
6EGS07/2W	0.75	
6EGS11/2W	1.10	
8EGS07/2W	0.75	
8EGS11/2W	1.10	



e-GS SERIES

e-GS Series (Cont.)

4" Motor-3 Wire

- For 100mm nominal bore and larger diameter wells
- Lowara motors 95mm OD, pump end 98mm OD complete with cable guard
- M denotes single-phase, T denotes three-phase (add required phase to end of model number)
- All 3-wire single-phase motors include QPC control box (QPCS available at additional cost) - Price includes Splice Kit to suit 1.5mm² to 6mm² drop cable
- 2 year warranty on e-GS submersibles and motors



Product Code: LWGS			
Model	kW	240V 1 Phase (add M to model number)	415V 3 Phase (add T to model number)
1EGSL02	0.37		
1EGSL03	0.37		
1EGSL05	0.55		
1EGSL07	0.75		
1EGSL11	1.10		
1EGSL15	1.50		
2EGS02	0.37		
2EGS03	0.37		
2EGS05	0.55		
2EGS07	0.75		
2EGS11	1.10		
2EGS15	1.50		
2EGS22	2.20		
2EGS30	4.00		-
2EGS30	3.00	-	
4EGS03	0.37		
4EGS05	0.55		
4EGS07	0.75		
4EGS11	1.10		
4EGS15	1.50		
4EGS22	2.20		
4EGS30	4.00		-
4EGS30	3.00	-	
4EGS40	4.00		
6EGS05	0.55	\$1,711	
6EGS07	0.75	\$1,822	
6EGS11	1.10	\$1,936	
6EGS15	1.50	\$2,217	
6EGS22	2.20	\$3,054	
6EGS30	4.00	\$4,502	-
6EGS30	3.00	-	
6EGS40	4.00	\$5,132	
6EGS55	5.50	-	

Product Code: LWGS			
Model	kW	240V 1 Phase (add M to model number)	415V 3 Phase (add T to model number)
8EGS07	0.75		
8EGS11	1.10		
8EGS15	1.50		
8EGS22	2.20		
8EGS30	4.00		-
8EGS30	3.00	-	
8EGS40	4.00		
8EGS55	5.50	-	
8EGS75	7.50	-	
12EGS15	1.50		
12EGS22	2.20		
12EGS30	4.00		-
12EGS30	3.00	-	
12EGS40	4.00		
12EGS55	5.50	-	
12EGS75	7.50	-	
16EGS22	2.20		
16EGS30	4.00		-
16EGS30	3.00	-	
16EGS40	4.00		
16EGS55	5.50	-	



e-GS SERIES



e-GS Series (Cont.)

Bare Pump Only

- For 100mm nominal bore and larger diameter wells
- 2 year warranty on e-GS submersibles

Product Code: LWGS	
Model	Bare Pump Only
1EGSL02B	
1EGSL03B	
1EGSL05B	
1EGSL07B	
1EGSL11B	
1EGSL15B	
2EGS02B	
2EGS03B	
2EGS05B	
2EGS07B	
2EGS11B	
2EGS15B	
2EGS22B	
2EGS30B	
4EGS03B	
4EGS05B	
4EGS07B	
4EGS11B	
4EGS15B	
4EGS22B	
4EGS30B	
4EGS40B	
6EGS05B	
6EGS07B	
6EGS11B	
6EGS15B	
6EGS22B	
6EGS30B	
6EGS40B	
6EGS55B	

Product Code: LWGS	
Model	Bare Pump Only
8EGS07B	
8EGS11B	
8EGS15B	
8EGS22B	
8EGS30B	
8EGS40B	
8EGS55B	
8EGS75B	
12EGS15B	
12EGS22B	
12EGS30B	
12EGS40B	
12EGS55B	
12EGS75B	
16EGS22B	
16EGS30B	
16EGS40B	
16EGS55B	



Check out our website for all your borehole pump requirements.

www.pumpsdirect.com.au





Z - SERIES



Z Series

6" Submersible Pumps

- For 150mm nominal bore and larger diameter wells
- Motor sizes up to 5.5kW (4") 95mm diameter; Hitachi 5.5kW and larger (6") 140mm diameter
- Price includes individual 4m motor leads, splice kit and bolts
- 4Z denotes 4" motor, 1.5m flat jacketed lead
- 6" motors have a 4.0 metre lead
- Higher head models available, POA
- 2 year warranty on Z series submersibles

Please Note: Bolts and spring washers supplied with complete pump set only.



Product Code: LWZS		
Model	kW	415 V 3 Phase 50Hz
4Z612/06	3.00	
4Z612/08	4.00	
4Z616/04	3.00	
4Z616/05	4.00	
4Z622/03	3.00	
4Z622/04	4.00	
4Z622/05	5.50	

Product Code: LWZS		
Model	kW	415 V 3 Phase 50Hz
4Z631/02	3.00	
4Z631/03	4.00	
4Z646/02	3.00	
4Z660/02	4.00	

Product Code: LWZS		
Model	kW	415 V 3 Phase 50Hz
Z612/11	5.50	
Z612/13	7.50	
Z612/15	7.50	
Z612/19	11.00	
Z612/21	11.00	
Z612/23	11.00	
Z612/29	15.00	
Z612/32	15.00	
Z616/07	5.50	
Z616/10	7.50	
Z616/12	11.00	
Z616/14	11.00	
Z616/20	15.00	
Z616/22	18.50	
Z616/25	18.50	
Z616/27	22.00	
Z616/29	22.00	
Z622/07	7.50	
Z622/09	11.00	
Z622/11	11.00	
Z622/15	15.00	
Z622/18	18.50	
Z622/20	22.00	
Z622/22	22.00	
Z622/27	30.00	

Product Code: LWZS		
Model	kW	415 V 3 Phase 50Hz
Z631/04	5.50	
Z631/06	7.50	
Z631/07	11.00	
Z631/09	11.00	
Z631/11	15.00	
Z631/14	18.50	
Z631/17	22.00	
Z631/21	30.00	
Z646/03	5.50	
Z646/05	7.50	
Z646/06	11.00	
Z646/07	11.00	
Z646/10	15.00	
Z646/12	18.50	
Z646/15	22.00	
Z646/20	30.00	
Z660/03	5.50	
Z660/04	7.50	
Z660/05	11.00	
Z660/06	11.00	
Z660/08	15.00	
Z660/10	18.50	
Z660/13	22.00	
Z660/17	30.00	



Z - SERIES



Z Series (Cont.)

Bare Pump Only

- For 150mm nominal bore and larger diameter wells
- 2 year warranty on Z series submersibles

LOWARA
a xylem brand



Product Code: LWZS	
Model	Bare Pump Only
4Z612/06B	
4Z612/08B	
4Z616/04B	
4Z616/05B	
4Z622/03B	
4Z622/04B	
4Z622/05B	

Product Code: LWZS	
Model	Bare Pump Only
4Z631/02B	
4Z631/03B	
4Z646/02B	
4Z660/02B	

Product Code: LWZS	
Model	Bare Pump Only
Z612/11B	
Z612/13B	
Z612/14B	
Z612/15B	
Z612/19B	
Z612/21B	
Z612/23B	
Z612/29B	
Z612/32B	
Z616/07B	
Z616/10B	
Z616/12B	
Z616/14B	
Z616/20B	
Z616/22B	
Z616/25B	
Z616/27B	
Z616/29B	
Z622/05B	
Z622/07B	
Z622/09B	
Z622/11B	
Z622/15B	
Z622/18B	
Z622/20B	
Z622/22B	
Z622/27B	

Product Code: LWZS	
Model	Bare Pump Only
Z631/04B	
Z631/06B	
Z631/07B	
Z631/08B	
Z631/09B	
Z631/11B	
Z631/14B	
Z631/17B	
Z631/21B	
Z646/03B	
Z646/05B	
Z646/06B	
Z646/07B	
Z646/10B	
Z646/12B	
Z646/15B	
Z646/20B	
Z660/03B	
Z660/04B	
Z660/05B	
Z660/06B	
Z660/08B	
Z660/10B	
Z660/12B	
Z660/13B	
Z660/14B	
Z660/15B	
Z660/17B	
Z660/21B	

Z Series Z8, Z10 and Z12 inch pumps are also available upon request.






LAYNE BOWLER - SERIES



Layne Bowler Submersible Pumps

- Bare wet ends with check valve on discharge
- Cast iron bowls and cast iron impellers
- Other materials including bronze available on request - POA
- Suitable submersible motors 2 pole standard construction, see page 61
- 1 year warranty
- Freight charges apply to this product range 

LayneBowler



SU6PXH Bare Pump

- 9 Lps to 18.5 Lps - 4" BSP Outlet

Product Code: LBLS			
Model	Size	kW	Wet End only CI/CI
SU6PXH2-A	6"	5.50	
SU6PXH4-A	6"	11.00	
SU6PXH5-A	6"	15.00	
SU6PXH6-A	6"	18.50	
SU6PXH7-A	6"	22.00	
SU6PXH8-A	6"	22.00	
SU6PXH10-A	6"	26.00	
SU6PXH11-A	6"	30.00	

SU7PM Bare Pump

- 13 Lps to 29 Lps - 5" BSP Outlet

Product Code: LBLS			
Model	Size	kW	Wet End only CI/CI
SU7PM2-A	7"	11.00	
SU7PM3-A	7"	18.50	
SU7PM4-A	7"	22.00	
SU7PM6-A	7"	37.00	
SU7PM7-A	7"	37.00	
SU7PM8-A	7"	45.00	
SU7PM9-A	7"	45.00	

SU7PH Bare Pump

- 15 Lps to 34 Lps - 5" BSP Outlet

Product Code: LBLS			
Model	Size	kW	Wet End only CI/CI
SU7PH2-A	7"	15.00	
SU7PH3-A	7"	22.00	
SU7PH4-A	7"	30.00	
SU7PH5-A	7"	37.00	
SU7PH6-A	7"	45.00	

SU7SLH Bare Pump

- 20 Lps to 42 Lps - 5" BSP Outlet

Product Code: LBLS			
Model	Size	kW	Wet End only CI/CI
SU7SLH2-A	7"	15.00	
SU7SLH3-A	7"	22.00	
SU7SLH4-A	7"	30.00	
SU7SLH5-A	7"	30.00	
SU7SLH6-A	7"	37.00	
SU7SLH7-A	7"	45.00	



LAYNE BOWLER - SERIES

SU8RXM Bare Pump

- 29 Lps to 51 Lps - 6" BSP Outlet

Product Code: LBLS			
Model	Size	kW	Wet End only CI/CI
SU8RXM1-A	8"	15.00	
SU8RXM2-A	8"	22.00	
SU8RXM3-A	8"	37.00	
SU8RXM4-A	8"	45.00	
SU8RXM5-A	8"	55.00	
SU8RXM6-A	8"	75.00	
SU8RXM7-A	8"	75.00	

SU8KHH Bare Pump

- 45 Lps to 77 Lps - 6" BSP Outlet

Product Code: LBLS			
Model	Size	kW	Wet End only CI/CI
SU8KHH1-A	8"	18.50	
SU8KHH2-A	8"	37.00	
SU8KHH3-A	8"	55.00	
SU8KHH4-A	8"	75.00	
SU8KHH5-A	8"	92.00	
SU8KHH6-A	8"	92.00	
SU8KHH7-A	8"	110.00	

SU10CH Bare Pump

- 100 Lps to 140 Lps - 8" BSP Outlet

Product Code: LBLS			
Model	Size	kW	Wet End only CI/CI
SU10CH1-A	10"	55.00	
SU10CH2-A	10"	110.00	

*Other models, sizes and materials are also available upon request.
Please contact us for more information.*

LayneBowler

Layne Bowler vertical turbine pumps have a proven record under the most demanding and toughest of conditions.

VERTICAL TURBINE PUMPS

Also available upon request.

- Flows to 2,300 L/Sec
- Heads to 350 m
- Power to 1000+ kW
- Temperatures to 150°C
- Bowls Diameter up to 45 inch





4OS MOTORS



4OS Motors

4" Motors

2 and 3-Wire

- Price includes motor lead, but not control panel or splice kit
- M denotes single phase; T denotes three phase
- 2 year warranty

0.37	4OS03M/2W		4OS03M/3W			
0.75	4OS07M/2W		4OS07M/3W		4OS07T/3W	
1.50			4OS15M/3W		4OS15T/3W	
3.00			-	-	4OS30T/3W	
5.50					4OS55T/3W	




SAER & HITACHI MOTORS

Saer Motors


6" and 8" Motors

2 Pole Standard Construction

- Nema standard motor
- Includes standard 4 metre lead -
- Motor bolts are included
- 2 year warranty
- Freight charges apply to this product range 



2 Pole 316 Stainless Steel Construction

- Nema standard motor - X denotes 316SS
- Includes standard 4 metre lead -
- Motor bolts are included
- 2 year warranty
- Freight charges apply to this product range 


144mm Outer Diameter			
MS152-07	6"	5.5	
MS152-15	6"	11.0	
MS152-25	6"	18.5	
MS152-40	6"	30.0	
191mm Outer Diameter			
MS201-075	8"	55.0	
MS201-125	8"	92.0	

144mm Outer Diameter			
MSX152-07	6"	5.5	
MSX152-15	6"	11.0	
MSX152-25	6"	18.5	
MSX152-40	6"	30.0	
191mm Outer Diameter			
MSX201-075	8"	55.0	
MSX201-125	8"	92.0	

Hitachi Motors


6" and 8" Motors

2 Pole Standard Construction

- Nema standard motor
- Includes standard 4 metre lead
- Motor bolts not included, sold separately -
- 2 year warranty
- Freight charges apply to this product range 



2 Pole 316 Stainless Steel Construction

- Nema standard motor
- Includes standard 4 metre lead
- Motor bolts not included, sold separately -
- 2 year warranty
- Freight charges apply to this product range 

Product Code: HTSM			
	Frame	kW	415V 3 Phase 50Hz
140mm Outer Diameter	6"	5.5	
	6"	7.5	
	6"	11.0	
	6"	15.0	
	6"	18.5	
	6"	22.0	
	6"	30.0	
	6"	37.0	
191mm Outer Diameter	8"	30.0	
	8"	37.0	
	8"	45.0	
	8"	55.0	
	8"	75.0	
	8"	92.0	
	8"	110.0	

Product Code: HTSM			
	Frame	kW	415V 3 Phase 50Hz
140mm Outer Diameter	6"	5.5	P.O.A
	6"	7.5	P.O.A
	6"	11.0	P.O.A
	6"	15.0	P.O.A
	6"	18.5	P.O.A
	6"	22.0	P.O.A
	6"	30.0	P.O.A
	6"	37.0	P.O.A
191mm Outer Diameter	8"	30.0	P.O.A
	8"	37.0	P.O.A
	8"	45.0	P.O.A
	8"	55.0	P.O.A
	8"	75.0	P.O.A
	8"	92.0	P.O.A
	8"	110.0	P.O.A

Motor Bolts and Screws for 6" Motors

- Motor bolts are not included with the bare motor. The bolts and screws sold separately

1/2" UNF x 1 1/2" S/S Set Screw	LWZS BW10026 MTR
1/2" SS Spring Washer	LWZS BW10027



LOWARA SUBMERSIBLE PUMP - STARTER BOXES

Starter Boxes & Control Boxes

QPC-QPS Series - Starter Boxes



- Single-phase 240 Volt Starter Boxes- 3 Wire 4" Motors 0.37-4.0kW
- Designed for Lowara 4OS submersible single-phase motors -
- Main switch for manual control
- Enclosure class: IP54
- 2 year warranty

Product Code: LWSM		
Model	kW	
QPC/03	0.37	
QPC/05	0.55	
QPC/07	0.75	
QPC/11	1.10	
QPC/15	1.50	
QPC/22	2.20	
QPS/40	4.00	



QPCS Series - Control Boxes

Single-phase 240 Volt Control/Starter Boxes- 3 Wire 4" Motors 0.37-2.20kW



- Designed for Lowara 4OS submersible single-phase motors
- Automatic control - Run dry control through level probes or float switch or minimum pressure switch
- Main switch for manual control
- Enclosure class: IP54
- Probes not included, sold separately
- 2 year warranty

Product Code: LWSM		
Model	kW	
QPCS/03	0.37	
QPCS/05	0.55	
QPCS/07	0.75	
QPCS/11	1.10	
QPCS/15	1.50	
QPCS/22	2.20	



Probe Kit	Part No	
Probe Kit-3 x probes only	LWSM 109.890.730	



SUBMERSIBLE - BORE PUMP ACCESSORIES

Bore Pump Equipment

Heat Shrink Kits	Part No
1.5 to 6.0mm cable	LWSMBPKSM-1
6.0 to 16.0mm cable	LWSMBPKSM-3
16.0 to 35.0mm cable	LWSMBPKSM-4

Bore Caps	Part No
32mm BSP	AKMS40499
40mm BSP	AKMS40500
50mm BSP	AKMS40501
80mm BSP	AKMS40502
100mm BSP	AKMS40503

Crusader Flexibore 100 Series Bore Hose	Part No
Flexi Bore 32mm, per metre	AKMS40510
Flexi Bore 50mm, per metre	AKMS40512
32mm 304 SS Coupling, 2 required per bore	AKMS40513
50mm 304 SS Coupling, 2 required per bore	AKMS40515
Cable Ties	AKMS40516

Shroud Adaptors	Part No
100 x 32mm PVC	AKMS10032
100 x 40mm PVC	AKMS10040
100 x 50mm PVC	AKMS10050

Stainless Steel Safety Cable	Part No
4mm 316 S/Steel Safety cable, per metre	AKMS50400
4mm 316 S/Steel Cable clamps	AKMS50402
6mm 316 S/Steel Safety cable, per metre	AKMS50401
6mm 316 S/Steel Cable clamps	AKMS50403

Power Cable	Part No
1.5mm ² 2-core and earth, rubber HO7 per metre	AKMS50550
1.5mm ² 3-core and earth, rubber HO7 per metre	AKMS50556
2.5mm ² 2-core and earth, rubber HO7 per metre	AKMS50552
2.5mm ² 3-core and earth, rubber HO7 per metre	AKMS50558
4.0mm ² 2-core and earth, rubber HO7 per metre	AKMS50554
4.0mm ² 3-core and earth, rubber HO7 per metre	AKMS50560
6.0mm ² 3-core and earth, rubber HO7 per metre	AKMS50562
10.0mm ² 3-core and earth, rubber HO7 per metre	AKMS50564

Probe Kit	Part No
Probe Kit-3 x probes only	LWSM 109.890.730



MBS DOMESTIC SERIES



MBS Series

Submersible Electric Pump

- Single-phase and three-phase options
- Three-phase model manual operation only -
- Single-phase models include a control box
- "A" denotes automatic operation and includes a float switch



Product Code: SRMB		
Model	kW	240 V 1 Phase 50Hz
MBS-B/3-1	1.00	
MBS-B/3-1A	1.00	
MBS-B/4-1	1.20	
MBS-B/4-1A	1.20	
MBS-B/5-1	1.50	
MBS-B/5-1A	1.50	
MBS-B/7-1	2.20	
MBS-C/3-1	1.50	
MBS-C/3-1A	1.50	
MBS-C/5-1	2.20	

* Single phase model pricing includes control box.

Product Code: SRMB		
Model	kW	415 V 3 Phase 50Hz
MBS-B/3-3	1.00	
MBS-B/4-3	1.20	
MBS-B/5-3	1.50	
MBS-B/7-3	2.20	
MBS-C/3-3	1.50	
MBS-C/5-3	2.20	
MBS-C/6-3	2.80	
MBS-C/7-3	3.30	
MBS-C/9-3	4.00	

Product Code: SRMB		
Model	Control Box	
MBS-B/3-1CB	MBS-B/3-1 Control Box	
MBS-B/4-1CB	MBS-B/4-1 Control Box	
MBS-B/5-1CB	MBS-B/5-1 Control Box	
MBS-B/7-1CB	MBS-B/7-1 Control Box	
MBS-C/3-1CB	MBS-C/3-1 Control Box	
MBS-C/5-1CB	MBS-C/5-1 Control Box	

Grinder Pumps

Fly Ready Pump Range
Fly gt Grinders Seires





Flygt Series



Flygt Ready Pump Range

Submersible and Serviceable Pumps

- Auto operation with float switch
- Durable, double cast aluminium body - Adjustable discharge
- Dual mechanical seal
- Inbuilt air relief valve
- L denotes "Low Level Pumping" this pump can pump down to 2mm water levels - S denotes "Solids" this pump has a vortex impeller and can handle solids up to 38mm - 1 year warranty



Product Code: FLYT		
Model	kW	240 V 1 Phase 50Hz
READY-4	0.42	
READY-4L	0.42	
READY-8	0.75	
READY-8S	0.90	

<i>Threaded Discharge Connection</i>	Ready DN50 BSP P/No FLYT 7089902 2" threaded hose tail connection
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Flygt Grinder Series

Submersible Grinder Pumps

- M denotes Grinder Series
- F denotes Freestanding, price includes stand and 50mm discharge bend
- P denotes Guide Rail mounted, price does not include discharge bend and UGRB
- HT denotes High Head model
- Standard mech seal Griploc™-NBR
- Other models available on request
- Guide rail system is uniform across the range
- 1 year warranty
- Freight charges apply to this product range



Product Code: FLYT			
Model	kW	Lead	415 V 3 Phase 50Hz
MF3069.170 HT254	1.70	20m	
MF3069.170 HT250	2.40	20m	
MF3085.172 HT253	2.40	10m	
MF3102.170 HT261	4.40	10m	
MF3102.170 LT210	4.40	10m	
MF3127.170 HT252	7.40	10m	
MF3127.170 LT210	7.40	10m	

Product Code: FLYT			
Model	kW	Lead	415 V 3 Phase 50Hz
MP3069.170 HT254	1.70	20m	
MP3069.170 HT250	2.40	20m	
MP3085.172 HT253	2.40	10m	
MP3090.170 HT250	4.30	20m	
MP3102.170 HT261	4.40	10m	
MP3102.170 LT210	4.40	10m	
MP3127.170 HT252	7.40	10m	
MP3127.170 LT210	7.40	10m	

<i>Upper Guide Bar Bracket</i>	20mm UGRB P/No FLYT 6697700
<i>Discharge Connection</i>	Connection P/No FLYT 4865500
<i>Flush Valve</i>	Flush Valve P/No FLYT 6019100
<i>Mounting Kit Flush Valve</i>	Connection P/No FLYT 6201100

Drainage Pumps

Above Floor Drainage Systems

Dirty Water Drainage

Drainage Sump Pumps

Drainage pumps for Waste Water

Heavy Duty Drainage pumps for hot water

Dirty Water with soft solids - Vortex type

Grey Water

Transfer pumps





DOC Series

Drainage Sump Pumps

- SG denotes manual version
- VX denotes vortex impeller
- Single-phase models auto operation
- Three lip seals-NBR
- GW version includes non-clogging magnetic float and are for clean water only
- Includes 10m lead - 1 year warranty



Product Code: LWDE			
240 V 1 Phase 50Hz			
Model	Lead	kW	240 V 1 Phase 50Hz
DOC-3/10	10m	0.25	
DOC-7/10	10m	0.55	
DOC-7VX/10	10m	0.55	
DOC-3SG	10m	0.25	
DOC-7SG	10m	0.55	
DOC-3/GW	10m	0.25	
DOC-7/GW	10m	0.55	
DOC-7VX/GW	10m	0.55	

Low level suction screen P/No LWDE 148.994.100 \$63 (Not suitable for DOC-7VX)



DOMO Series

Waste Water Submersible Pumps

- T denotes three-phase / VX denotes vortex impeller
- Single-phase models auto operation
- SG denotes manual operation
- Three-phase models manual operation only
- Standard mech seal sic/sic-NBR
- GT version includes tube float and are for clean water only
- 1 year warranty



Product Code: LWDE			
Model	Lead	kW	240 V 1 Phase 50Hz
DOMO-7	10m	0.55	
DOMO-7SG	10m	0.55	
DOMO-7/GT	10m	0.55	
DOMO-7VX	10m	0.55	
DOMO-7VX/GT	10m	0.55	
DOMO-10	10m	0.75	
DOMO-10SG	10m	0.75	
DOMO-10VX	10m	0.75	
DOMO-15	10m	1.10	
DOMO-15SG	10m	1.10	
DOMO-15VX	10m	1.10	

Product Code: LWDE			
Model	Lead	kW	415 V 3 Phase 50Hz
DOMO-7T	10m	0.55	
DOMO-7VXT	10m	0.55	
DOMO-10T	10m	0.75	
DOMO-10VXT	10m	0.75	
DOMO-15T	10m	1.10	
DOMO-15VXT	10m	1.10	
DOMO-20T	10m	1.50	
DOMO-20VXT	10m	1.50	



DIWA Series

Submersible Drainage Pumps

- T denotes three-phase
- Single-phase models auto operation
- Three-phase models manual operation only
- Standard mech seal sic/sic-NBR
- Includes 10m lead
- 1 year warranty



Product Code: LWDE		
Model	kW	240 V 1 Phase 50Hz
DIWA-05	0.55	
DIWA-07	0.75	
DIWA-11	1.10	

Product Code: LWDE		
Model	kW	415 V 3 Phase 50Hz
DIWA-05T	0.55	
DIWA-07T	0.75	
DIWA-11T	1.10	
DIWA-15T	1.50	



Flygt N Series

Submersible Wastewater Pumps

- N denotes wastewater series
- P denotes Guide Rail mounted, price does not include discharge bend and UGBB
- S denotes Freestanding, price includes stand and discharge bend
- Guide rail system is uniform across the range - Freight charges apply to this product range
- MT denotes Medium Head -
- SH Denotes Super Head
- Standard mechanical seal Griploc™
- Includes 20-metre motor cable
- Other models available upon request
- 1 year warranty

N3085 Range

Product Code: FLYT			
Model	kW	Outlet (mm)	415 V 3 Phase 50Hz
NP3085-160-MT460-02.0-B-0 80-A20	2.0	80	
NP3085-160-MT461-02.0-B-0 80-A20	2.0	80	
NP3085-160-MT462-02.0-B-0 80-A20	2.0	80	
NP3085-160-MT463-02.0-B-0 80-A20	2.0	80	
NP3085-160-SH253-02.4-B-0 80-A20	2.4	80	
NP3085-160-SH254-02.4-B-0 80-A20	2.4	80	
NP3085-160-SH255-02.4-B-0 80-A20	2.4	80	
NP3085-160-SH256-02.4-B-0 80-A20	2.4	80	
NS3085-160-MT460-02.0-B-0 80-A20	2.0	80	

N3102 Range

Product Code: FLYT			
Model	kW	Outlet (mm)	415 V 3 Phase 50Hz
NP3102-160-LT420-03.1-B-100-A20	3.1	100	
NP3102-160-MT460-03.1-B-100-A20	3.1	100	
NP3102-160-MT461-03.1-B-100-A20	3.1	100	
NP3102-160-MT462-03.1-B-100-A20	3.1	100	
NP3102-160-SH255-04.2-B-0 80-A20	4.2	80	
NP3102-160-SH256-04.2-B-0 80-A20	4.2	80	
NS3102-160-MT460-03.1-B-100-A20	3.1	100	
NS3102-160-SH255-04.2-B-0 80-A20	4.2	80	

N3127 Range

Product Code: FLYT			
Model	kW	Outlet (mm)	415 V 3 Phase 50Hz
NP3127-161-MT437-05.9-B 100	5.9	100	
NP3127-161-MT437-05.9-B 150	5.9	150	
NP3127-161-HT487-05.9-B 100	5.9	100	
NP3127-161-HT488-05.9-B 100	5.9	100	
NP3127-161-SH246-07.4-B-0 80-A20	7.4	80	
NP3127-161-SH247-07.4-B-0 80-A20	7.4	80	
NP3127-161-SH248-07.4-B-0 80-A20	7.4	80	
NS3127-161-SH246-07.4-B-0 75-A20	7.4	75	

3000 N Series Accessories

Product Code: FLYT Model	
Discharge Con. 80 x 80 AS2129 D	
Discharge Con. 100 x 100 AS2129 D	
Discharge Con. 140 x 150 AS2129 D	

Product Code: FLYT	
Model	
Upper Guide Rail Bracket 50mm	
Flush Valve 4901	
Flush Valve Gasket	



1300 Series

Submersible Non-clog and Vortex Pumps

- Model variant: S = Super High Head; H = High Head; M = Medium Head; L = Low Head
- Install type: T = Free Standing threaded outlet only, W = Wet Well only
- Standard mech seal carb.alum-NBR
- 10 metre cable included
- 1 year warranty

NOTE: There are numerous other 1300 Series combination models available-POA

Non-Clog Version

Product Code: LWDE						
Model	Discharge Diameter & Install Type	kW	Version	Pole	Curve	415 V 3 Phase 50Hz
1310S-50W.S60	50W	2.40	Wet Well	2	S60	
1310S-50T.S60	50T	2.40	Free Standing	2	S60	
1310S-80 X.S60	80	2.40	Bare Pump	2	S60	
1315S-80 X.S61	80	4.40	Bare Pump	2	S61	
1315M-100X.S20	100	3.30	Bare Pump	4	S20	
1320S-80 X.S62	80	6.20	Bare Pump	2	S62	
1320H-100X.S41	100	5.90	Bare Pump	4	S41	

Vortex Version

Product Code: LWDE						
Model	Discharge Diameter & Install Type	kW	Version	Pole	Curve	415 V 3 Phase 50Hz
1310H-50W.V90	50W	2.40	Wet Well	2	V90	
1310H-50T.V90	50T	2.40	Free Standing	2	V90	
1310M-80 X.V85	80	2.40	Bare Pump	2	V85	
1315H-80 X.V91	80	4.40	Bare Pump	2	V91	
1315M-100X.V81	100	3.30	Bare Pump	4	V81	
1320H-80 X.V92	80	6.20	Bare Pump	2	V92	
1320M-100X.V81	100	5.90	Bare Pump	4	V81	

Installation Kits

Purchase a bare pump and select the required installation kit, or add an installation kit to a complete pump to provide added options for installation.

Product Code: LWDE			
Model	Type	Version	
1310-80T	80T	Free Standing	
1315/1320-80T	80T	Free Standing	
1315/1320-100T	100T	Free Standing	

Product Code: LWDE			
Model	Type	Version	
1310-50W	50W	Wet Well	
1310/1315/1320-80W	80W	Wet Well	
1315/1320-100W	100W	Wet Well	

Ezi Action Drum Pumps

Ezy-Action Drum pumps

Ezy-Action Drum pumps Spare parts





EZI ACTION DRUM PUMPS & SPARE PARTS

• EZI ACTION HAND PUMPS

The Ezi-Action® drum pump uses a double acting pumping principle which allows fast, continuous flow of liquids with viscosities of up to 8,800 cps (molasses). Made from highly chemical resistant polypropylene and low density polyethylene, these hand pumps have FDA & Japanese food hygiene approvals, the Ezi-action drum pump suitable for many chemicals including oils, lubricants, fertilizers, caustic & chlorine based chemicals. It is not recommended for highly flammable liquids, strong solvents or petrol. Each unit comes with course thread drum attachment fittings and an anti-pumping safety strap. The Ezi-action drum pumps are fully serviceable with replacement seal kits readily available.



Ezi-Action® Drum Pump c/w Course Thread Adaptors	
Item Description	
Ezi-Action Drum Pump Suit 25 Litre Container	
Ezi-Action Drum Pump Suit 200 Litre Blue Drum	
Ezi-Action Drum Pump Suit 1000 Litre IBC Chemical Container	
Safety Measure Kit 1 Litre – Calibrated (Suits all pumps)	
Service (Replacement Seal) Kit (Suits all pumps)	



25L Drum



200L Blue Drum



1000L IBC



Safety Measure Kit

Hand Pumps Decorative

Goulds Heritage Pump





DECORATIVE HAND PUMPS



Goulds Heritage Pump

HAND PUMP

- Ornamental only
- Cast iron replica of original 1848 Goulds hand pump
- BSPF thread

Product Code: GLHP	
Model	
HHP	



Hand Priming Pumps

Read hand Priming Pump

Read hand Priming Pump Spare Parts

Ajax Hand Priming Pump

Ajax Hand Priming Pump Spare Parts

IB Hand Priming Pump

IB Hand Priming Pump Parts





READ HAND PRIMING PUMPS & SPARE PARTS

READ HAND PRIMING PUMP

READ HAND PRIMING PUMP (Without Galvanised Bracket)



Read Hand Priming Pump (One Only)

RHP

A

Read Hand Priming Pump (Box of Three) (Price Each)

RHP

B

Extra Discount for Box of Three

READ HAND PRIMING PUMP SPARES

Diaphragm

RHPA/3

A

Galvanised Mounting Bracket

RHPA/4

A

Fulcrum Collar

RHPA/5

A

40mm (1½") Back Nut

RHPA/6

A

Pump Handle

RHPA/7

A

Stainless Steel Eye Bolt, Nut & Washer

RHPA/8

A

Valve Cover Plate

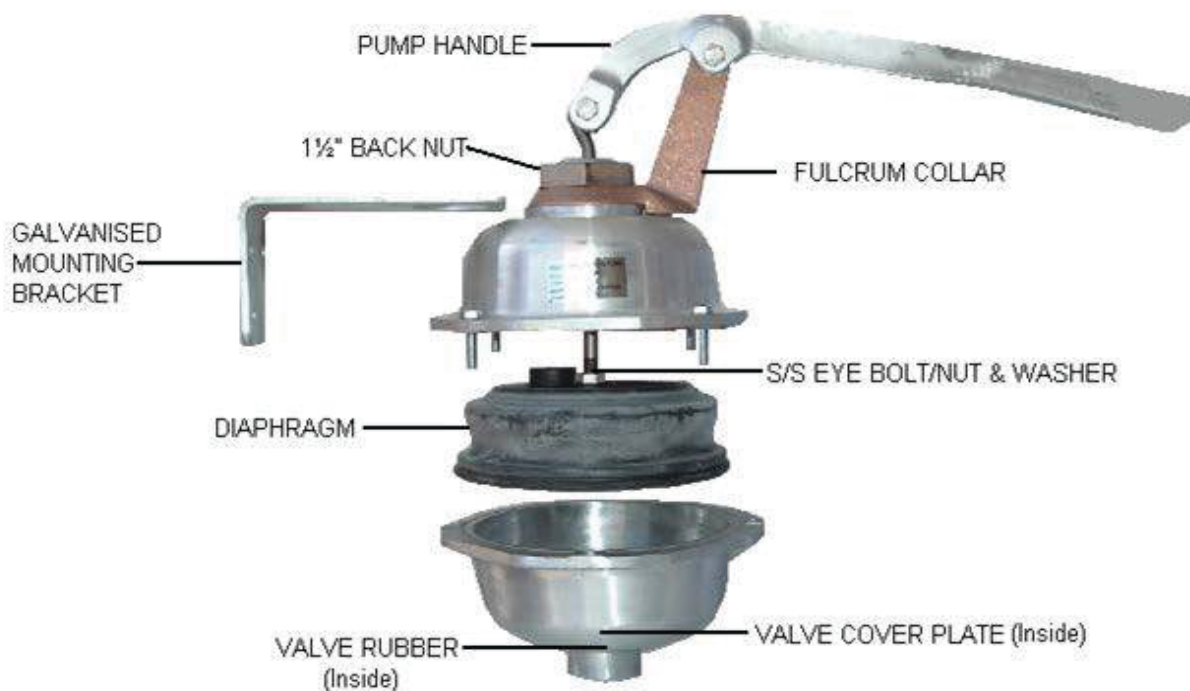
RHPA/11

A

Valve Rubber

RHPA/12

A



This "Read Hand Priming Pump" has a heavy duty polished Aluminium body with an Aluminium fulcrum collar. The Diaphragm is very solid rubber with a metal plate encompassed in the bottom for extra strength. Each Stroke displaces 1.9 litres of Air.

The inlet is 1" BSP and has been beefed up around this area.

The pump is not supplied with mounting bracket but this is available as a spare part if required.



AJAX / QISJAX HAND PRIMING PUMPS & SPARE PARTS

QISJAX HAND PRIMING PUMP SPARES (Formerly AJAX)

Discharge Casing	DHP2	A
Inlet Valve (Rubber)	DHP24	A
Hex Bolt - Casing Assembly	DHP62	A
Hex Nut - Casing Assembly	DHP65	A
Diaphragm	DHP67	A
Handle	DHP72	A





IB HAND PRIMING PUMPS

	Code	Price
HAND PRIMING PUMP (20MM F.I. BSP)	350000	
SPARE PARTS		
DIAPHRAGM	350005	
HANDLE	350010	
PUMP TOP HOUSING	350015	
PUMP BOTTOM HOUSING	350020	
RUBBER EXHAUST VALVE	350025	
STEEL SPINDLE	350030	



Fertigation Pumps

Dosetic
Dostec AC
Fertic
Multifertic
Agitators





FERTIC PUMPS

Cat No.	Injection Flow Rate l/hr Max	Inlet/Outlet (mm)	Operating Pressure	List Price
FERTIC	500	16	50 - 1200	



AGITATORS

AGITATORS - TURBINE

For Fertilizer Tanks

60AG-185/3	3 Phase 180 W motor, 1.1 m shaft, Ø0.8 m tank x 600L tank max
60AG-370/3	3 Phase 370 W motor, 1.3 m shaft, Ø1.5 m tank x 3,000L tank max
60AG-370/1	Single Phase 370 W motor, 1.3 m shaft, Ø1.5 m tank x 3,000L tank max, thermal overload built in
60AG-550/3	3 Phase 550 W motor, 2 m shaft, Ø1.9 m tank x 7,000L tank max
60AG-550/1	Single Phase 550 W motor, 1.5 m shaft, Ø2.7 m tank x 10,000L tank max, thermal overload built in
60AG-750/3	3 phase 750 W motor, 1.5m shaft, Ø2.7m tank x 10,000L tank max
60AG-1150/1	Single Phase 750 W motor, 1.5m shaft, Ø2.7m tank x 10,000L tank max, thermal overload built in

NOTES

- All agitators are for flanged mounting.
- Thermal overload motor protection must be fitted on installation for 3 Phase models.
- Shaft lengths should be installed a maximum of 200 mm from tank bottom.





MULTIFERTIC

Cat. No.	Max Injection L/hr	Description	Max Injection Pressure kPa	List Price	
				3 Phase	Sgl. Phase
60MF1-025	25	25 l/hr single piston head	1500		
60MF-050	50	50 l/hr single piston head	1500		
60MF-100	100	100 l/hr single piston head	1500		
60MF-200	200	200 l/hr single piston head	800		
60MF-300	300	300 l/hr single piston head	500		
60MF1-025D	19 - 24	25 l/hr single diaphragm head	1000		
60MF-050D	37 - 48	50 l/hr single diaphragm head	1000		
60MF-100D	86 - 104	100 l/hr single diaphragm head	1000		
60MF-200D	160 - 200	200 l/hr single diaphragm head	600		
60MF-300D	247 - 310	300 l/hr single diaphragm head	400		

Piston or Diaphragm Heads, basic unit comes with one (single) injection head only

NOTES

- Standard motors are 3 Phase, Single Phase. 12V DC & 24V DC, 130 & 300 W motors are also available. Check pressure ratings and additional costs with Triangle Waterquip.
- Add additional heads required as listed below on your order. Heads can be fitted onto existing installed units.
- Up to 4 x independent dosing heads can be fitted onto the one machine, for maximum total flow of approximately 1000 l/hr.
- Flow rates can be accurately adjusted manually from 30 - 100% on thumb wheel on each head.
- Additional heads affect injection pressures, enquire with us for more detail.
- Supplied with oil, filter, stand, hose fittings and injection valve.
- For external controls, see pages 18 & 19.

ADDITIONAL INJECTION HEADS 25 - 500 L/HR

Cat. No.	Description	List Price
60MI-025	25 l/hr single piston head	
60MI-050	50 l/hr single piston head	
60MI-100	100 l/hr single piston head	
60MI-200	200 l/hr single piston head	
60MI-300	300 l/hr single piston head	
60MI-025D	25 l/hr single diaphragm head	
60MI-050D	50 l/hr single diaphragm head	
60MI-100D	100 l/hr single diaphragm head	
60MI-200D	200 l/hr single diaphragm head	
60MI-300D	300 l/hr single diaphragm head	



NOTE

- For all diaphragm pumps refer headloss chart in the Multifertic Manual.



DOSITEC - SERIES

Cat. No.	Description	Max Flow L/hr	List Price
DOSITEC-MD	0 - 100% manual control via + - buttons, digital display, level switch		
DOS-MD2.5	Manual control via push buttons	2.5	
DOS-MD6		6	
DOS-MD9		9	
DOSITEC-Q	Proportional injection via a pulse water meter, digital display, level switch		
DOS-Q2.5	Injection proportional to flow	2.5	
DOSITEC-mA	Injection via an external 4-20ma signal, digital display, level switch		
DOS-mA2.5	Injection via external 4-20mA signal	2.5	
DOS-mA9		9	
DOSITEC-PRC	pH or REDOX regulation, digital display, 4-20 mA output, level switch		
DOS-PRC2.5	pH or REDOX regulation	2.5	
DOS-PRC9		9	
DOSITEC-MF	Multifunction unit; man. control, proportional injection, 4-20ma, timer with alarms		
DOS-MF2.5	Multifunctional unit	2.5	
DOS-MF9		9	
Optional Extras			
DOS-ADH	Automatic De-Gassing head valve. Required for liquid chlorine use		
59-049-P	DOSITEC Installation Kit Assembly		
59-049-F	Chlorine Kit.- includes PVDF Injection point, PVDF Foot filter, 4 m x 4 mm chlorine injection hose - (requires DOS-ADH De-Gassing head to be added)		

NOTES

- All units are 240V AC single phase.
- 10 Bar rated.
- Standard materials are: PVDF head with PTFE diaphragm.

Up to 9 l/hr @10 Bar





DOSMART & DTEC - SERIES

- Dosing pump series with a step-motor and advanced control functions to automate the dosing of liquid chemicals precisely and efficiently
- Remote manual liquid adjustment of flow rate dosing
- Proportional flow rate by pulse input, analogue 4-20mA signal
- Dosing by volume and time. Manual, remote or time activation



Cat. No.	Max Injection L/hr	Max Injection Pressure kPa	List Price
DOSMART1.5	1.5	16	
DOSMART4	4	12	
DOSMART8	8	8	
DOSMART13	13	7	
DOSMART25	25	5	

DOSTEC® AC - ADVANCED CONTROL SERIES DIAPHRAGM PUMPS

Cat. No.		Max Injection L/hr	Max Injection Pressure kPa	List Price
DTEC-AC2-10D	DOSTEC AC 40 (DIAPHRAGM)	6.5 - 9.5	1500	
DTEC-AC2-50D		38 - 53	1500	
DTEC-AC2-100D		83 - 111	1000	
DTEC-AC2-200D		173 - 209	800	
DTEC-AC2-250D		251 - 284	500	
DTEC-AC2-340D		301 - 342	500	
DTEC-AC3-480D	DOSTEC AC 50 (DIAPHRAGM)	373 - 481	1000	
DTEC-AC3-620D		498 - 624	1000	
DTEC-AC3-820D		624 - 822	700	
DTEC-AC3-1200D		1044 - 1254	500	

NOTES

- Capable of dosing from 10 - 100% of capacity.
- Manual or automatic control via flow sensor, pulse water meter or analogue (4/20mA) signal.
- Batch control by volume or time.
- All units available in single phase only.
- DOSTEC® 40 AC 20 mm connections for suction and delivery.
- DOSTEC® 50 AC 32 mm connections for suction and delivery.
- Piston units available upon request.





DOSTEC - HIGH VOLUME INJECTION PUMPS

	Cat. No.		Max Injection L/hr	Max Injection	List Price	
					3 Phase	Sgl. Phase
PISTON HEAD	DTEC40-200	DOSTEC 40	200	1100		
	DTEC40-240		240	1100		
	DTEC40-300		300	700		
	DTEC50-330	DOSTEC 50	330	1200		
	DTEC50-500		500	1100		
	DTEC50-750		750	750		
	DTEC50-1000		1000	550		
DIAPHRAGM HEAD	DTEC40-200D	DOSTEC 40	173 - 209 l/hr	800		
	DTEC40-340D		301 - 342 l/hr	500		
	DTEC50-540D	DOSTEC 50	415 - 535 l/hr	1000		
	DTEC50-700D		520 - 685 l/hr	700		
	DTEC50-1000D		870 - 1045 l/hr	500		



Single Head Up to 1000 l/hr - 30 - 100% Adjustment

NOTE

- Injection rate of diaphragm heads will vary with line pressure and viscosity of the solution.

EFR PUMPS - PISTON & DIAPHRAGM MODELS

Up to 3200 litres/hour - Single & Dual Injection Heads

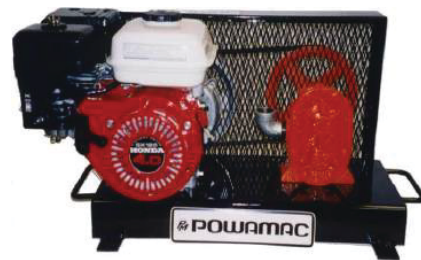
	Cat. No.	Max Injection L/hr	Description	Max Injection Pressure kPa	List Price
SINGLE HEAD	EFR-1000	1000	EFR fully adjustable units, Piston, Single Head	800	
	EFR-1200	1200		700	
	EFR-1330	1330		600	
	EFR-1600	1600		500	
	EFR-1250D	1044-1253	EFR, Diaphragm, Single Head	500	
DUAL HEAD	PISTON UNIT				
	EFR-1000+1000	2000	1000 + 1000 l/hr	800	
	EFR-1200+1200	2400	1200 + 1200 l/hr	700	
	EFR-1330+1330	2660	1330 + 1330 l/hr	600	
	EFR-1600+1600	3200	1600 + 1600 l/hr	500	
	DIAPHRAGM UNIT				
	EFR-750+750D	1248-1644	750 + 750 l/hr nominal	700	
	EFR-1000+1000D	1740-2090	1000 + 1000 l/hr nominal	500	
EFR-1200+1200D	2088-2508	1200 + 1200 l/hr nominal	500		

NOTE

- Dual Head units are also available with different combinations of head flow rates. This range of pumps are initially available on indent only.

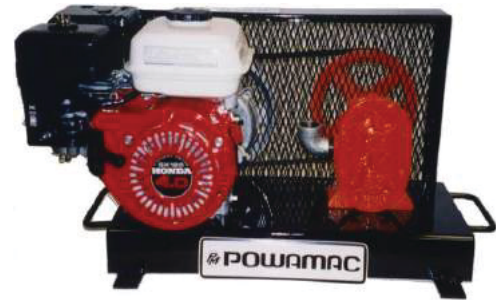
Speciality Pumps

Molasses Pumps





MOLASSES PUMPS



MOLASSES - CAST IRON GEAR PUMP OUTFITS

Electric Motor Driven

		These pumps are designed to run at a speed of around 200 rpm using 8 pole motors - should you wish to use a pump that runs at a higher speed, refer to page 29. The only exception is the single phase 1" pump which uses a 4 pole motor and runs at 300rpm.		
1/2 inch	240v 1 ph 1.5kw 4 pole		KC13E2-1M	POS-9 \$
1 inch	240v 1 ph 2.2kw 4 pole		KC25E3-1M	POS-9 \$
1 inch	415v 3 ph 2.2kw 8 pole		KC25E3-3M	POS-9 \$
1 1/4 inch	415v 3 ph 7.5kw 8 pole		KC35E10-3M	POS-9 \$
2 inch	415v 3 ph 7.5kw 8 pole		KC50E10-3M	POS-9 \$

Honda or Kohler Engine Driven

1 inch	5.5hp 6:1 gearbox Honda	KC25H5.5M	POS-9 \$
1 1/4 inch	9hp 6:1 gearbox Honda	KC35H9M ***	POS-9 \$
2 inch	13hp 6:1 gearbox Kohler	KC50K13M ***	POS-9 \$
3 inch	24hp with idler pulley Honda	KC80H24M	POS-9 POA

Cost for Teflon gland packing required for pumping molasses is included in the molasses pump pricing on this page - the Teflon gland packing is not included in the non molasses pumps.

Molasses Drum Pump Outfits

		Special 44 gallon / 205 litre molasses drum pump complete with suction pipework, CAM Lock fittings and Teflon gland packing.		
1 inch	240v 1 ph 2.2kw 4 pole 5.5hp 6:1 gearbox Honda		KC25DRUME KC25DRUMH	PM05/DRUME PM05/DRUMH



Solar Pumps

Lorentz

- * Pool Pumps
- * Bore Pumps
- * Surface Pumps

Nastec

- * Pool Pumps
- * Bore Pumps
- * Surface pumps



Lorentz Pumps



“We find the Lorentz pump to be very efficient for a range of situations. The flow rate and its durability gives us confidence that our tanks remain full at all times, and our livestock are never without water.”

***Gabriel Passmore
Gooloogong, NSW***





PS2 SOLAR SUBMERSIBLE AND SURFACE ECDRIVES

			PRICE
16-000590	ECDRIVE 100-AHR-S, 0.15kW, Stumpy	Submersible DC Drive, Brushless, ø 88mm (3.5")	
16-000161	ECDRIVE 150-AHR-S, 0.3kW, Stumpy	Submersible DC Drive, Brushless, ø 88mm (3.5")	
16-000680	ECDRIVE 200-HRE, 0.3kW	Submersible DC Drive, Brushless	
16-000650	ECDRIVE 600-HRE, 0.7kW	Submersible DC Drive, Brushless	
16-000342	ECDRIVE 600-AHR-S, 0.7kW, Stumpy	Submersible DC Drive, Brushless, ø 88mm (3.5")	
16-000620	ECDRIVE 1800-AHR-S 1.7kW	Submersible DC Drive, Brushless, ø 88mm (3.5")	
16-000690	ECDRIVE 1800-HRE, 1.7kW	Submersible DC Drive, Brushless	
16-000670	ECDRIVE 4000-HRE, 4.0kW	Submersible DC Drive, Brushless	

EC DRIVES – CENTRIFUGAL MOTOR

PART #	ITEM	DESCRIPTION	PRICE
16-000695	ECDRIVE 150-C, 0.3KW	Submersible DC Drive, Brushless	
16-000705	ECDRIVE 200-C, 0.3KW	Submersible DC Drive, Brushless	
16-000700	ECDRIVE 600-C, 0.7KW	Submersible DC Drive, Brushless	
16-000600	ECDRIVE 1800-C, 1.7KW	Submersible DC Drive, Brushless	
16-000440	ECDRIVE 4000-C, 4.0KW	Submersible DC Drive, Brushless	

EC DRIVES - SURFACE MOTOR

PART #	ITEM	DESCRIPTION	PRICE
16-000010	ECDRIVE 150-BOOST, 0.3kW	Surface DC Drive, Brushless	
16-000550	ECDRIVE 600 CS-F, 0.7kW	Surface DC Drive, Brushless	
16-000560	ECDRIVE 1800 CS-F, 1.7kW	Surface DC Drive, Brushless	
16-000570	ECDRIVE 4000 CS-F, 4.0kW	Surface DC Drive, Brushless	

EC DRIVES – ACCESSORIES/ ADAPTORS

PART #	ITEM	DESCRIPTION	PRICE
19-001820	HRE Retrofit Kit A	Adaptor to fit HR Pump to HRE Motor	
19-001830	HRE Retrofit Kit B	Adaptor to fit HRE Pump to HR Motor	





PS2 SOLAR SUBMERSIBLE HELICAL ROTOR - 100, 88mm (3.5 Bores)

PRICE

PS2-100 AHRP-07S/ 14S/23S Helical Rotor Pump, EC Drive & Controller

The Kit includes the pump, motor & controller, 15 metres motor cable pre-terminated, well probe with 15 metres cable pre terminated, and mounting brackets for the PS2-100 controller.

CONTROLLER

PART #	ITEM	DESCRIPTION	PRICE
07-000670	PS2-100 Controller-0.1kVA	Pump Controller, Solar(PV) operation, max. input voltage 50Vdc	

MOTOR

PART #	ITEM	DESCRIPTION	PRICE
16-000590	ECDRIVE 100-AHR-S, 0.15kW	Submersible DC DRIVE, Brushless, ø 88mm (3.5")	

HR PUMP END

PART #	ITEM	DESCRIPTION	PRICE
16-000600	PE AHRP-07S/ 14S/ 23S	Helical rotor Pump End, no non-return valve	

PUMP UNIT – PUMP + MOTOR

PART #	ITEM	DESCRIPTION	PRICE
10-012740	PU100 AHRP-07S-3, H1"	Helical Rotor Pump End, No Non-return Valve, Submersible DC Drive, Brushless incl. 15m/ 50ft motor cable	
10-012790	PU100 AHRP-14S-3, H1"	Helical Rotor Pump End, No Non-return Valve, Submersible DC Drive, Brushless incl. 15m/ 50ft motor cable	
10-012840	PU100 AHRP-23S-3, H1"	Helical Rotor Pump End, No Non-return Valve, Submersible DC Drive, Brushless incl. 15m/ 50ft motor cable	

ACCESSORIES

PART #	ITEM	DESCRIPTION	PRICE
19-001220	PS2-100 Motor Extension Cable	15m Extension Cable for ECDRIVE -100AHR, with MT-60M/ F plugs	
19-001240	PS2-100 Assessory Extension Cable	15m Extension Cable for PS2-100 Well Probe/ Float Switch, with XT-30M/F plugs	
19-000007	PS2-100 Well Probe	Well Probe with 15m Cable, with XT-30F plug	
19-000032	PS2-100 Float Switch	Float Switch with 10m Cable, with XT-30F plug	

** Note: Bore inches indication is nominal*





PS2 SOLAR SUBMERSIBLE HELICAL ROTOR - 150, 88mm (3.5 Bores)

			PRICE
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PS2-150 AHR-04S/ 07S	PS2-150 AHR-04S/ 07S	Helical Rotor Pump, EC Drive & Controller	
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CONTROLLER

PART #	ITEM	DESCRIPTION	PRICE
07-000500	PS2-150 Controller-0.3kVA	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 50Vdc	
07-000000	PS-150 Controller-0.3kVA	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 50Vdc, Plastic Enclosure	

MOTOR

PART #	ITEM	DESCRIPTION	PRICE
16-000161	ECDRIVE 150-AHR-S, 0.3kW (3.5"), Stumpy	Submersible DC Drive, Brushless, 3.5"	

HR PUMP END

PART #	ITEM	DESCRIPTION	PRICE
16-000000	PE AHR-04S/ 07S	Helical rotor Pump End, no non-return valve	

PUMP UNIT – PUMP + MOTOR

PART #	ITEM	DESCRIPTION	PRICE
10-012310	PU150 AHR-04S-2, RP 1", UL	Helical Rotor Pump End, No Non-return Valve, Submersible DC Drive, Brushless	
10-012320	PU150 AHR-04S-3, RP 1", UL	Helical Rotor Pump End, No Non-return Valve, Submersible DC Drive, Brushless	
10-012370	PU150 AHR-07S-2, RP 1", UL	Helical Rotor Pump End, No Non-return Valve, Submersible DC Drive, Brushless	
10-012380	PU150 AHR-07S-3, RP 1", UL	Helical Rotor Pump End, No Non-return Valve, Submersible DC Drive, Brushless	

ACCESSORIES

PART #	ITEM	DESCRIPTION	PRICE
19-000000	Well Probe Sensor	Submersible Level Sensor for Dry Run Protection (Max. submergence = 50M)	
19-000010	Cable Splice Kit 2.5-6sq mm	400mm Submersible Cable Splice Kit for EC Drive, 2.5 to 6 sq mm	
19-005030	Sun Sensor, LORENTZ Blue	Sensor to Start / Stop PV Pumps, Depending on Irradiance	
19-005290	PowerPack 150S	PowerPack 150S, Blue Door, 240VAC/ 24VDC, For PS2-100/ 150	
19-002760	Liquid Pressure Sensor, LPS-2000	Measuring Range 0-2000kPa, AISI304, G1/ 2", 4-20mA, 11-28VDC	

* Note: Bore inches indication is nominal





PS2 SOLAR SUBMERSIBLE HELICAL ROTOR - 200, 96mm (4" Bores *)

			PRICE
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PS2-200 HRE-04/07/14	PS2-200 HRE-04/07/14	Helical Rotor Pump, EC Drive & Controller	
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CONTROLLER

PART #	ITEM	DESCRIPTION	PRICE
07-000510	PS2-200 Controller	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 100Vdc	
07-000130	PS-200 Controller-0.3kVA	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 100Vdc, Plastic Enclosure	

MOTOR

PART #	ITEM	DESCRIPTION	PRICE
16-000680	ECDRIVE 200-HRE, 0.3kW, UL	Submersible DC Drive, Brushless	

HR PUMP END – REFER TO PAGE 20 SUMMARY FOR SPECIFIC PART NUMBERS

PART #	ITEM	DESCRIPTION	PRICE
PE HRE-XX	PE HRE-04/ 07/ 14	Helical Rotor Pump End, Non-return Valve	

ACCESSORIES

PART #	ITEM	DESCRIPTION	PRICE
19-000000	Well Probe Sensor	Submersible Level Sensor for Dry Run Protection (Max. submergence = 50M)	
19-000010	Cable Splice Kit 2.5-6sq mm	400mm Submersible Cable Splice Kit for EC Drive, 2.5 to 6 sq mm	
19-005030	Sun Sensor, LORENTZ Blue	Sensor to Start/ Stop PV Pumps, Depending on Light Intensity / Array Output	
19-005300	PowerPack 600S	PowerPack 600S, Blue Door, 240VAC/ 56VDC, For PS2-200	
19-002760	Liquid Pressure Sensor, LPS-2000	Measuring Range 0-2000kPa, AISI304, G1/ 2", 4-20mA, 11-28VDC	

** Note: Bore inches indication is nominal*





PS2 SOLAR SUBMERSIBLE HELICAL ROTOR - 600, 88 - 96mm (3.5 - 4" Bores *)

			PRICE
PS2-600 HRE-03	PS2-600 HRE-03/ 03H/ 04/04H/ 07/ 10/14	Helical Rotor Pump, EC Drive & Controller	
	PS2-600 AHR-04S/ 07S	Helical Rotor Pump, EC Drive & Controller (ø 88mm)	

CONTROLLER

PART #	ITEM	DESCRIPTION	PRICE
07-000520	PS2-600 Controller-0.7kVA	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 150Vdc	

MOTOR

PART #	ITEM	DESCRIPTION	PRICE
16-000650	ECDRIVE 600-HRE, 0.7kW, UL	Submersible DC Drive, Brushless	

HR PUMP END – REFER TO PAGE 20 SUMMARY FOR SPECIFIC PART NUMBERS

PART #	ITEM	DESCRIPTION	PRICE
PE-HRE-03	PE HRE-03/ 03H/ 04/04H/ 07/ 10/14	Helical Rotor Pump End, Non-return Valve	
	PE AHR-04S/ 07S	Helical Rotor Pump End, no Non-return Valve	

ACCESSORIES

PART #	ITEM	DESCRIPTION	PRICE
19-000000	Well Probe Sensor	Submersible Level Sensor for Dry Run Protection (Max. submergence = 50M)	
19-000010	Cable Splice Kit 2.5-6sq mm	400mm Submersible Cable Splice Kit for EC Drive, 2.5 to 6 sq mm	
19-005030	Sun Sensor, LORENTZ Blue	Sensor to Start/ Stop PV Pumps, Depending on Light Intensity / Array Output	
19-001040	PowerPack 600H	PowerPack 600, Grey Door, 240VAC/ 120VDC, For PS2-600	
19-002760	Liquid Pressure Sensor, LPS-2000	Measuring Range 0-2000kPa, AISI304, G1/ 2", 4-20mA, 11-28VDC	





PS2 SOLAR SUBMERSIBLE HELICAL ROTOR - 1800, 88 - 96mm (3.5 - 4" Bores *)

			PRICE
PS2-1800 HRE-03	PS2-1800 HRE-03/ 03H/ 04/04H/ 07/ 07H	Helical Rotor Pump, EC Drive & Controller	
	PS2-1800 HRE-10/14/ 14H/ 23	Helical Rotor Pump, EC Drive & Controller	
PS2-1800 AHR-14H	PS2-1800 AHR-14H	Helical Rotor Pump, EC Drive & Controller, ø 88mm (3.5")	
	PS2-1800 HRE-05HL	Helical Rotor Pump, EC Drive & Controller	
PS2-1800 HRE-32	PS2-1800 HRE-32	Helical Rotor Pump, EC Drive & Controller	

CONTROLLER

PART #	ITEM	DESCRIPTION	PRICE
07-000530	PS2-1800 Controller-1.8kVA	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 200Vdc	

MOTOR

PART #	ITEM	DESCRIPTION	PRICE
16-000620	ECDRIVE 1800-AHR 1.7KW UL	Submersible DC Drive, Brushless, ø 88mm (3.5")	
16-000690	ECDRIVE 1800-HRE 1.7KW UL	Submersible DC Drive, Brushless	

HR PUMP END – REFER TO PAGE 20 SUMMARY FOR SPECIFIC PART NUMBERS

PART #	ITEM	DESCRIPTION	PRICE
PE HRE-03/03H	PE HRE-03/ 03H/ 04/04H/ 07/ 07H	Helical Rotor Pump End, Non-return Valve	
	PE HRE-10/ 14/ 14H/ 23	Helical Rotor Pump End, Non-return Valve	
PE AHR-14H	PE AHR-14H	Helical Rotor Pump End, Non-return Valve, ø 88mm (3.5")	
	PE HRE-05HL	Helical Rotor Pump End, Non-return Valve	
PE HRE-32	PE HRE-32	Helical Rotor Pump End, Non-return Valve	

PUMP UNIT – PUMP + MOTOR

PART #	ITEM	DESCRIPTION	PRICE
10-012440	PU1800 AHR-14H-2	Helical Rotor Pump End, Non-return Valve, Submersible DC Drive, Brushless	
10-015390	PU1800 HRE-14H-2	Helical Rotor Pump End, Non-return Valve, Submersible DC Drive, Brushless	
10-015400	PU1800 HRE-14H-3	Helical Rotor Pump End, Non-return Valve, Submersible DC Drive, Brushless	
10-015490	PU1800 HRE-23-2	Helical Rotor Pump End, Non-return Valve, Submersible DC Drive, Brushless	
10-015500	PU1800 HRE-23-3	Helical Rotor Pump End, Non-return Valve, Submersible DC Drive, Brushless	
10-015740	PU1800 HRE-32-2	Helical Rotor Pump End, Non-return Valve, Submersible DC Drive, Brushless	
10-015750	PU1800 HRE-32-3	Helical Rotor Pump End, Non-return Valve, Submersible DC Drive, Brushless	

* Note: Bore inches indication is nominal





PS2 SOLAR SUBMERSIBLE HELICAL ROTOR - 4000, 96mm (4" Bores *)

			PRICE
PS2-4000 HR-14HL	PS2-4000 HR-14HL	Helical Rotor Pump, EC Drive & Controller	
	PS2-4000 HR-05HHL	Helical Rotor Pump, EC Drive & Controller	
PS2-4000 HRE-32	PS2-4000 HRE-32	Helical Rotor Pump, EC Drive & Controller	

CONTROLLER

PART #	ITEM	DESCRIPTION	PRICE
07-000540	PS2-4000 Controller-4.0kVA	Pump Controller, Solar(PV) operation, max. input voltage 375Vdc	

MOTOR

PART #	ITEM	DESCRIPTION	PRICE
16-000670	ECDRIVE 4000-HRE, 4.0kW, UL	Submersible DC Drive, Brushless	

HR PUMP END – REFER TO PAGE 20 SUMMARY FOR SPECIFIC PART NUMBERS

PART #	ITEM	DESCRIPTION	PRICE
PE-HRE-14HL	PE HRE-14HL	Helical Rotor Pump End, Non-return Valve	
	PE HRE-05HHL	Helical Rotor Pump End, Non-return Valve	
PE-HRE-32-2	PE HRE-32	Helical Rotor Pump End, Non-return Valve	

PUMP UNIT – PUMP + MOTOR

PART #	ITEM	DESCRIPTION	PRICE
10-015640	PU4000 HRE-32-2	Helical Rotor Pump End, Non-return Valve, Submersible DC Drive, Brushless	
10-015650	PU4000 HRE-32-3	Helical Rotor Pump End, Non-return Valve, Submersible DC Drive, Brushless	

ACCESSORIES

PART #	ITEM	DESCRIPTION	PRICE
19-000000	Well Probe Sensor	Submersible Level Sensor for Dry Run Protection (Max. submergence = 50M)	
19-000010	Cable Splice Kit 2.5-6sq mm	400mm Submersible Cable Splice Kit for EC Drive, 2.5 to 6 sq mm	
19-005030	Sun Sensor, LORENTZ Blue	Sensor to Start/ Stop PV Pumps, Depending on Light Intensity / Array Output	
RE-PP4000	PowerPack 4000	PowerPack 4000, Grey Door, 1P-AC/ 315VDC, For PS2-4000	
19-002760	Liquid Pressure Sensor, LPS-2000	Measuring Range 0-2000kPa, AISI304, G1/ 2", 4-20mA, 11-28VDC	

* Note: Bore inches indication is nominal



SOLAR CENTRIFUGAL PS2 - 150, 98mm (4" Bores *)

			PRICE
PS2-150 C-SJ5-8	PS2-150 C-SJ5-8	Multi-stage Centrifugal Pump, EC Drive, Controller, DataModule	
	PS2-150 C-SJ5-4	Multi-stage Centrifugal Pump, EC Drive, Controller, DataModule	

Note: Sun Sensor required, not included

CONTROLLER			
PART #	ITEM	DESCRIPTION	PRICE
07-000500	PS2-150 Controller	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 50Vdc	
07-000000	PS-150 Controller-0.3kVA	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 50Vdc, Plastic Enclosure	

MOTOR			
PART #	ITEM	DESCRIPTION	PRICE
16-000695	EC Drive 150-C, 0.3kW, UL	Submersible DC Drive, Brushless	

PUMP END			
PART #	ITEM	DESCRIPTION	PRICE
14-000070	PE C-SJ5-4	Multi-stage Centrifugal Pump End, Non-Return Valve	
14-000140	PE C-SJ5-8	Multi-stage Centrifugal Pump End, Non-Return Valve	

PUMP UNIT – PUMP + MOTOR			
PART #	ITEM	DESCRIPTION	PRICE
10-000141	PU150 C-SJ5-8, RP 11/ 2", UL	Multi-stage Centrifugal Pump, EC Drive 150-C, Non-Return Valve	
10-000411	PU150 C-SJ5-4, RP 11/ 4", UL	Multi-stage Centrifugal Pump, EC Drive 150-C, Non-Return Valve	

ACCESSORIES			
PART #	ITEM	DESCRIPTION	PRICE
19-000000	Well probe sensor	Submersible Level Sensor for Dry Run Protection (Max. submergence = 50M)	
19-000010	Cable splice kit 2.5-6sq mm	400mm Submersible Cable Splice Kit for EC Drive, 2.5 to 6 sq mm	
19-005030	Sun Sensor, LORENTZ Blue	Sensor to Start/ Stop PV Pumps, Depending on Light Intensity / Array Output	
19-005290	PowerPack 150S	PowerPack 150S, Blue Door, 240VAC/ 24VDC, For PS2-100/ 150	
19-002760	Liquid Pressure Sensor, LPS-2000	Measuring Range 0-2000kPa, AISI304, G1/ 2", 4-20mA, 11-28VDC	

** Note: Bore inches indication is nominal*





SOLAR CENTRIFUGAL PS2 -200, 98mm (4" Bores *)

			PRICE
PS2-200 C-SJ3-9	PS2-200 C-SJ3-9	Multi-stage Centrifugal Pump, EC Drive, Controller, DataModule	

Note: Sun Sensor required, not included

CONTROLLER

PART #	ITEM	DESCRIPTION	PRICE
07-000510	PS2-200 Controller	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 100Vdc	
07-000130	PS-200 Controller-0.3kVA	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 100Vdc, Plastic Enclosure	

MOTOR

PART #	ITEM	DESCRIPTION	PRICE
16-000705	EC Drive 200-C, 0.3kW, UL	Submersible DC Drive, Brushless	

PUMP END

PART #	ITEM	DESCRIPTION	PRICE
14-000140	PE C-SJ3-9, RP 11/ 2"	Multi-stage Centrifugal Pump End, Non-Return Valve	

PUMP UNIT – PUMP + MOTOR

PART #	ITEM	DESCRIPTION	PRICE
10-000415	PU200 C-SJ3-9, RP 11/ 4", UL	Multi-stage Centrifugal Pump, EC Drive 200-C, Non-Return Valve	

ACCESSORIES

PART #	ITEM	DESCRIPTION	PRICE
19-000000	Well Probe Sensor	Submersible Level Sensor for Dry Run Protection (Max. submergence = 50M)	
19-000010	Cable Splice Kit 2.5-6sq mm	400mm Submersible Cable Splice Kit for EC Drive, 2.5 to 6 sq mm	
19-000050	Sun Switch	Sun Switch Light Sensor	
19-005030	Sun Sensor, LORENTZ Blue	Sensor to Start/ Stop PV Pumps, Depending on Light Intensity / Array Output	
19-005300	PowerPack 600S	PowerPack 600S, Blue Door, 240VAC/ 56VDC, For PS2-200	
19-002760	Liquid Pressure Sensor, LPS-2000	Measuring Range 0-2000kPa, AISI304, G1/ 2", 4-20mA, 11-28VDC	





SOLAR CENTRIFUGAL PS2 - 600, 98mm (4" Bores *)

PRICE

PART #	ITEM	DESCRIPTION	PRICE
PS2-600 C-SJ5-8	PS2-600 C-SJ5-8	Multi-stage Centrifugal Pump, EC Drive, Controller	
PS2-600 C-SJ3-9	PS2-600 C-SJ3-9	Multi-stage Centrifugal Pump, EC Drive, Controller	
PS2-600 C-SJ8-5	PS2-600 C-SJ8-5	Multi-stage Centrifugal Pump, EC Drive, Controller	

Note: Sun Sensor required, not included

CONTROLLER

PART #	ITEM	DESCRIPTION	PRICE
07-000520	PS2-600 Controller-0.7kVA	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 150Vdc	

MOTOR

PART #	ITEM	DESCRIPTION	PRICE
16-000700	ECDRIVE 600-C, 0.7kW, UL	Submersible DC Drive, Brushless	

PUMP END

PART #	ITEM	DESCRIPTION	PRICE
14-000140	PE C-SJ5-8, RP 11/ 2"	Multi-stage Centrifugal Pump End, Non-Return Valve	
14-000095	PE C-SJ3-9, RP 11/ 2"	Multi-stage Centrifugal Pump End, Non-Return Valve	
14-000200	PE C-SJ8-5, RP 11/ 2"	Multi-stage Centrifugal Pump End, Non-Return Valve	

ACCESSORIES

PART #	ITEM	DESCRIPTION	PRICE
19-000000	Well Probe Sensor	Submersible Level Sensor for Dry Run Protection (Max. submergence = 50M)	
19-000010	Cable Splice Kit 2.5-6sq mm	400mm Submersible Cable Splice Kit for EC Drive, 2.5 to 6 sq mm	
19-005030	Sun Sensor, LORENTZ Blue	Sensor to Start/ Stop PV Pumps, Depending on Light Intensity / Array Output	
19-001040	PowerPack 600H	PowerPack 600, Grey Door, 240VAC/ 120VDC, For PS2-600	
19-002760	Liquid Pressure Sensor, LPS-2000	Measuring Range 0-2000kPa, AISI304, G1/ 2", 4-20mA, 11-28VDC	



SOLAR CENTRIFUGAL PS2 - 1800, 98-147mm (4- 6 " Bores *)

PRICE

PS2-1800 C-SJ17-2	PS2-1800 C-SJ1-25/ 3-18/ 5-12/ 8-7/ 12-4	Multi-stage Centrifugal Pump, EC Drive, Controller (98mm)
	PS2-1800 C-SJ17-2/ 30-1	Multi-stage Centrifugal Pump, EC Drive, Controller (133mm)
PS2-1800 C-SJ42-1	PS2-1800 C-SJ42-1	Multi-stage Centrifugal Pump, EC Drive, Controller (147mm)

CONTROLLER

PART #	ITEM	DESCRIPTION	PRICE
07-000530	PS2-1800 Controller-1.8kVA	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 200Vdc	

MOTOR

PART #	ITEM	DESCRIPTION	PRICE
16-000600	ECDRIVE 1800-C, 1.7kW, UL	Submersible DC Drive, Brushless	

PUMP END

PART #	ITEM	DESCRIPTION	PRICE
14-000080	PE C-SJ1-25, RP 11/ 4"	Multi-stage Centrifugal Pump End, Non-Return Valve	
14-000100	PE C-SJ3-18, RP 11/ 4"	Multi-stage Centrifugal Pump End, Non-Return Valve	
14-000160	PE C-SJ5-12, RP 11/2"	Multi-stage Centrifugal Pump End, Non-Return Valve	
14-000220	PE C-SJ8-7, RP 2"	Multi-stage Centrifugal Pump End, Non-Return Valve	
14-000320	PE C-SJ12-4, RP 2"	Multi-stage Centrifugal Pump End, Non-Return Valve	
14-000340	PE C-SJ17-2, RP 2 1/ 2"	Multi-stage Centrifugal Pump End, Non-Return Valve	
14-000420	PE C-SJ30-1, RP 3"	Multi-stage Centrifugal Pump End, Non-Return Valve	
14-000520	PE C-SJ42-1, RP 3"	Multi-stage Centrifugal Pump End, Non-Return Valve	

ACCESSORIES

PART #	ITEM	DESCRIPTION	PRICE
19-000000	Well Probe Sensor	Submersible Level Sensor for Dry Run Protection (Max. submergence = 50M)	
19-000010	Cable Splice Kit 2.5-6sq mm	400mm Submersible Cable Splice Kit for EC Drive, 2.5 to 6 sq mm	
19-001050	PowerPack 2000	PowerPack 2000, Grey Door, 240VAC/ 180VDC, For PS2-1800	
19-002760	Liquid Pressure Sensor, LPS-2000	Measuring Range 0-2000kPa, AISI304, G1/ 2", 4-20mA, 11-28VDC	

* Note: Bore inches indication is nominal





SOLAR SURFACE CENTRIFUGAL - PS2 BOOST PUMPS (Clean water only)

PRICE

PS2-150 BOOST – 60	PS2-150 BOOST – 60	PS2-150 BOOST – 60 NPT 0.675"
	PS2-150 BOOST – 125	PS2-150 BOOST – 125 NPT 0.675"
PS2-150 BOOST – 240	PS2-150 BOOST – 240	PS2-150 BOOST – 240 NPT 0.50"
	PS2-150 BOOST – 330	PS2-150 BOOST – 330 NPT 0.50"

Note: Not recommended for any suction lift applications.

CONTROLLER

PART #	ITEM	DESCRIPTION	PRICE
07-000500	PS2-150 Controller	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 50Vdc	
07-000000	PS-150 Controller-0.3kVA	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 50Vdc, Plastic Enclosure	

PUMP UNIT – PUMP + MOTOR

PART #	ITEM	DESCRIPTION	PRICE
10-000030	PU150 BOOST – 60	PU 150 Boost - 60 NPT 0.675"	
10-000000	PU150 BOOST – 125	PU 150 Boost - 125 NPT 0.675"	
10-000010	PU150 BOOST – 240	PU 150 Boost - 240 NPT 0.50"	
10-000020	PU150 BOOST – 330	PU 150 Boost - 330 NPT 0.50"	

PUMP END

PART #	ITEM	DESCRIPTION	PRICE
14-000030	PE BOOST – 60	PE 150 Boost - 60 NPT 0.675"	
14-000000	PE BOOST – 125	PE 150 Boost - 125 NPT 0.675"	
14-000010	PE BOOST – 240	PE 150 Boost - 240 NPT 0.50"	
14-000020	PE BOOST – 330	PE 150 Boost - 330 NPT 0.50"	

MOTOR

PART #	ITEM	DESCRIPTION	PRICE
16-000010	ECDRIVE 150-BOOST, 0.3kW	Surface DC Drive, Brushless	

ACCESSORIES

PART #	ITEM	DESCRIPTION	PRICE
19-000200	Inline Filter	Inline Filter, 20 Micron, 10" Cartridge	
19-000210	Filter Cartridge	20 Micron, 10" Spare Cartridge	
19-000001	Water Sensor – PIPE INSTALL	Water Sensor with 2 Electrodes for Pipeline Installation. Includes 19-000002 SSAdaptor for Water Sensor	
19-005030	Sun Sensor, LORENTZ Blue	Sensor to Start/ Stop PV Pumps, Depending on Light Intensity / Array Output	
19-005290	Power Pack 150S	PowerPack 150S, Blue Door, 240VAC/ 24VDC, For PS2-100/150	
19-002760	Liquid Pressure Sensor, LPS-2000	Measuring Range 0-2000kPa, AISI304, G1/ 2", 4-20mA, 11-28VDC	
BAC-VACUUM-SWITCH	Adjustable Vacuum Switch		

Note: water sensor recommended for all surface pump systems

Note: inline filter required for boost pumps





SOLAR SURFACE CENTRIFUGAL - PS2 - 600

PRICE

PS600 CS-F3-7 11/4"	PS600 CS-F3-7/ 4-3	Surface Pump Unit, Controller
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Note: includes flange set

CONTROLLER PART #

PART #	ITEM	DESCRIPTION	PRICE
07-000520	PS2-600 Controller-0.7kVA	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 150Vdc	

PUMP UNIT – PUMP + MOTOR

PART #	ITEM	DESCRIPTION	PRICE
10-010330	PU PS600 CS-F3-7 11/ 4"	Centrifugal Pump End, Surface DC Drive	
10-010340	PU PS600 CS-F4-3 11/4"	Centrifugal Pump End, Surface DC Drive	

ACCESSORIES

PART #	ITEM	DESCRIPTION	PRICE
19-000001	Water Sensor – PIPE INSTALL	Water Sensor with 2 Electrodes for Pipeline Installation. Includes 19-000002 SS Adaptor	
19-005030	Sun Sensor, LORENTZ Blue	Sensor to Start/ Stop PV Pumps, Depending on Light Intensity / Array Output	
19-001040	PowerPack 600H	PowerPack 600, Grey Door, 240VAC/ 120VDC, For PS2-600	
19-002760	Liquid Pressure Sensor, LPS-2000	Measuring Range 0-2000kPa, AISI304, G1/ 2", 4-20mA, 11-28VDC	

Note: water sensor recommended for all surface pump systems





SOLAR SURFACE CENTRIFUGAL - PS2 - 1800

			PRICE
PS1800 CS-F4-6 11/4"	PS1800 CS-F4-6 11/ 4"	Surface Pump Unit, Controller	
	PS1800 CS-F12-2 2"	Surface Pump Unit, Controller	

Note: Includes flange set

CONTROLLER PART #			
	ITEM	DESCRIPTION	PRICE
07-000530	PS2-1800 Controller-1.8kVA	Pump Controller, Solar(PV)/ Battery operation, max. input voltage 200Vdc	

PUMP UNIT – PUMP + MOTOR			
PART #	ITEM	DESCRIPTION	PRICE
10-010350	PU 1800 CS-F4-6	Centrifugal Pump End, Surface DC Drive	
10-010370	PU 1800 CS-F12-2	Centrifugal Pump End, Surface DC Drive	

ACCESSORIES			
PART #	ITEM	DESCRIPTION	PRICE
19-000001	Water Sensor – PIPE INSTALL	Water Sensor with 2 Electrodes for Pipeline Installation. Includes 19-000002 SSAdaptor for Water Sensor	
19-001050	PowerPack 2000	PowerPack 2000, Grey Door, 240VAC/ 180VDC, For PS2-1800	
19-002760	Liquid Pressure Sensor, LPS-2000	Measuring Range 0-2000kPa, AISI304, G1/ 2", 4-20mA, 11-28VDC	

Note: water sensor recommended for all surface pump systems





SOLAR SURFACE CENTRIFUGAL - PS2 -4000

			PRICE
PS2-4000 CS-F8-8	PS2-4000 CS-F8-8	Surface Pump Unit, Controller	
PS2-4000 CS-F16-3	PS2-4000 CS-F16-3	Surface Pump Unit, Controller	
PS2-4000 CS-F32-20-2	PS2-4000 CS-F32-20-2	Surface Pump Unit, Controller	
PS2-4000 CS-F42-10-1	PS2-4000 CS-F42-10-1	Surface Pump Unit, Controller	

Note: includes flange set

CONTROLLER PART #			
	ITEM	DESCRIPTION	PRICE
07-000540	PS2-4000 Controller-4.0kVA	Pump Controller, Solar(PV) operation, max. input voltage 375Vdc	

PUMP UNIT – PUMP + MOTOR			
PART #	ITEM	DESCRIPTION	PRICE
10-010380	PU4000 CS-F8-8, 2"	Centrifugal Pump End, Surface DC Drive	
10-010390	PU4000 CS-F16-3, 2"	Centrifugal Pump End, Surface DC Drive	
10-010400	PU4000 CS-F32-20-2, 2.5"	Centrifugal Pump End, Surface DC Drive	
10-010410	PU4000 CS-F42-10-1, 3"	Centrifugal Pump End, Surface DC Drive	

ACCESSORIES			
PART #	ITEM	DESCRIPTION	PRICE
19-000001	Water Sensor – PIPE INSTALL	Water Sensor with 2 Electrodes for Pipeline Installation. Includes 19-000002 SSAdaptor for Water Sensor	
19-002760	Liquid Pressure Sensor, LPS-2000	Measuring Range 0-2000kPa, AISI304, G1/ 2", 4-20mA, 11-28VDC	
RE-PP4000	PowerPack 4000	PowerPack 4000, Grey Door, 1P-AC/ 315VDC, For PS2-4000	

Note: water sensor recommended for all surface pump systems



Nastec Pumps





SUND SOLAR POOL PUMPS SERIES

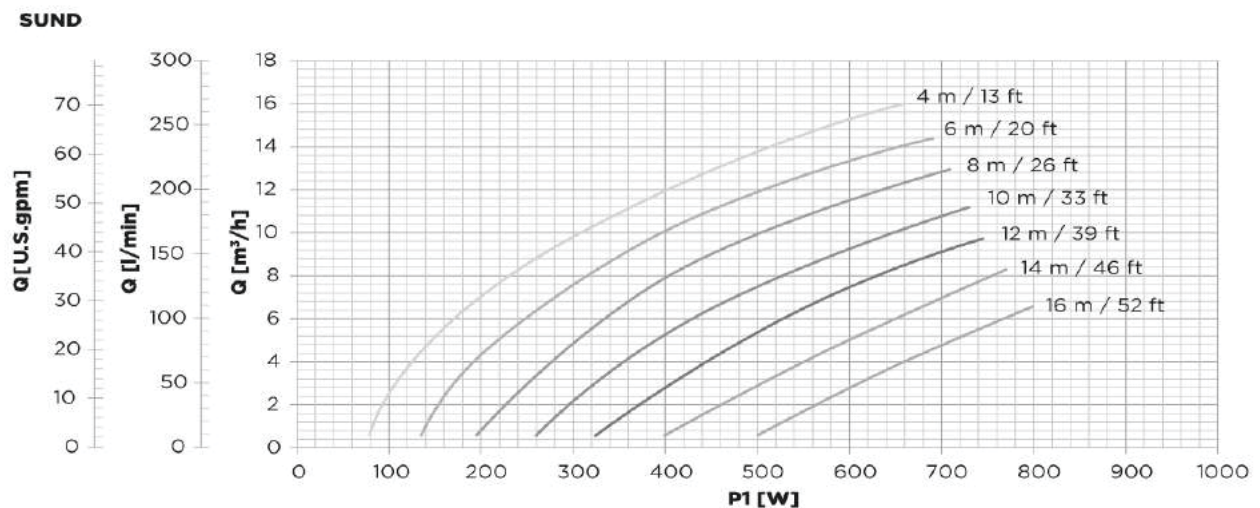
SUND



SUND is the Nastec range of solar pumps for the circulation and filtering of pool water.

SUND is powered by solar panels, or if necessary by mains supply.

Part #	Description	P1 Max	VDC	VAC	List Ex GST
SUND 50	SUND Solar Pool Pump	800w	90 - 400	1 x 90 - 265	\$ 2,400.00
SUND 100	SUND Solar Pool Pump	-	-	-	TBA





4HS MULTI POWER 0 4" Submersible solar pumps

4" Submersible pumps powered by renewable energy sources

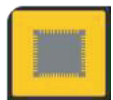


Motor.

- Permanent magnet motor.
- Resined and encapsulated stator AISI 304 stainless.



4HS "H" pumps are equipped with a helical rotor that moves within a double-helix rubber stator.



Built-in inverter module (MINT).

- Completely resin-filled.
- Removable power cable.



Centrifugal pump.

- Impellers and diffusers in stainless steel.
- Built-in no-return valve.

Part #	Description	Pump Type	Max. Flow (LPM)	Max. Head (M)	List Ex GST
4HS01/03H-MP	4HS01/03H Submersible Solar Pump	Helical Rotor	23	230	
4HS02/02H-MP	4HS02/02H Submersible Solar Pump	Helical Rotor	50	100	
4HS02/02HR-MP	4HS02/02HR Submersible Solar Pump	Helical Rotor	50	170	
4HS05/04-MP	4HS05/04 Submersible Solar Pump	Centrifugal	125	55	
4HS05/08-MP	4HS05/08 Submersible Solar Pump	Centrifugal	125	110	
4HS08/03-MP	4HS08/03 Submersible Solar Pump	Centrifugal	175	45	
4HS08/05-MP	4HS08/05 Submersible Solar Pump	Centrifugal	175	75	
CM-MP-P	4HS Control Module - Suit PM Motor	<i>Suits All 4HS Multi Power Pumps</i>			



4HS MultiPower pumps can be installed with or without the control module - creating a very simple solar solution.

4HS MultiPower pumps can be powered by AC or DC with a wide range of operating voltage (90 – 265 VAC / 90 – 400 VDC). This means that 4HS MP pumps can be connected to solar panels, batteries, wind turbine and a diesel generator. A special software algorithm allows for adjusting the hydraulic performance to each source and to the available power while maximising the amount of water pumped.





4HS CONTROL PANEL SOLAR

For a complete ready made option connect 4HS via one of our pre assembled, wired and tested CONTROL PANELS.

It is equipped with:

- 400x500mm Metal Enclosure.
- 4HS Control Module - order separately.
- Copper Earth Stake + 2m Earth lead
- 1000VDC Isolator.
- AC/DC Manual changeover Switchgear + 15a AC input.
- NoArk 2 Pole DC Circuit Breaker.
- Solar string Combiner if required.
- MC4 Solar connectors.
- 2m PV cable for fast and easy connection
- 5m Pressure switch lead.
- Have complete control and access all operating parameters - View alarm history and more via Control Module
- 5m prewired cable for float or pressure switch. (N.C. Contact)
- Surge protection - inbuilt CM.
- Heavy duty Galvanised mounting bracket + all fasteners.
- 5 Pin Wieland Plug Set



Part #	Description				List Ex GST
ENC350	Complete 4HS Control Panel - INCLUDES AC Transfer Switchgear + Input.				
ENC400	Complete 4HS Control Panel - No AC Transfer Switchgear				

ENC400 Without AC/DC Switchgear



ENC350 With AC/DC Switchgear





NERA SOLAR PUMP SERIES -

The most compact and reliable solution for solar pumping applications



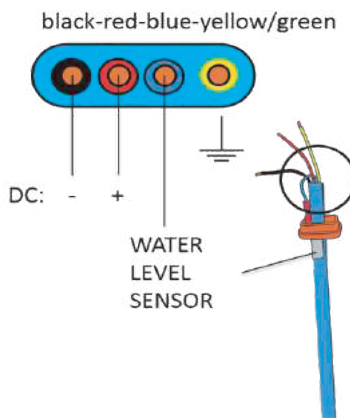
NERA solar pumps have been developed to meet the needs of low-power and low-cost pumping systems without sacrificing quality, reliability and performance.

Part #	Description	Pump Type	Max. Flow (LPM)	Max. Head (M)	List Ex GST
N-005/02H	N005/02H NERA Solar Pump	Helical Rotor	12.5	120	
N-01/02H	N01/02H NERA Solar Pump	Helical Rotor	25	120	
N-02/01H	N02/01H NERA Solar Pump	Helical Rotor	50	60	
N-06/04	N06/04 NERA Solar Pump	Centrifugal	135	28	
N-SM	NERA Stop Module	<i>Suits All NERA Pumps</i>			



Model	Input VDC	Max A	Rated Input P1	Length	Delivery	Max Dia.	Weight
N-005/02H	30 - 190 VDC	10	800 W	890 mm	32mm	99mm*	10 Kg
N-01/02H	30 - 190 VDC	10	800 W	890 mm	32mm	99mm*	10 Kg
N-02/01H	30 - 190 VDC	10	800 W	890 mm	32mm	99mm*	11 Kg
N-06/04	70 - 190 VDC	10	800 W	520 mm	40mm	99mm*	9 Kg

* Dimension Includes Cable Guard





NERA SOLAR PUMP SERIES -

To connect NERA to the solar array, the STOP MODULE device is available as an accessory. It is equipped with:

- MC4 connectors for fast and easy panels connection.
- Button for pump start and stop.
- Connection for float or pressure switch.
- Surge protection.

Part #	Description	List \$
N-SM	NERA Stop Module Only	\$ 422.00
N-C/BOX	Complete NERA Control Panel	\$ 875.00

NERA

Control Panel



For a more complete option connect NERA via one of our pre assembled, wired and tested CONTROL PANELS.

It is equipped with:

- 400x400mm powder coated enclosure.
- 2m Earth lead.
- 1000VDC Isolator.
- MC4 connectors on 2m cable for fast and easy connection
- 5m Pressure switch lead.
- Button for pump start and stop.
- 5m prewired cable for float or pressure switch. (N.C. Contact)
- Surge protection.
- Heavy duty Galvanised mounting bracket + all fasteners.
- 3 Pin Wieland Plug - All electrical plug & play
- All electrical connections are plug & play making your job simpler, easier & faster



VSP SOLAR PUMP SERIES -

VSP systems are created to meet the widest variety of pumping applications using solar energy. The combination of VASCO Solar - **V**ARIABLE **S**PEED **C**ONTROLLER inverters with the complete range of stainless steel submersible pumps ranging from 4" to 10" offers a solution of superior quality, unique in its reliability, variety and performance.



This inverter is able to convert DC voltage coming from solar panels into AC voltage for powering any pump driven by a three phase motor.

Complete range of 4", 6", 8", 10" submersible pumps & three-phase 4", 6", 8" submersible motors.
From 2.2 to 132kW

VSP Solar pumps





VSP SOLAR PUMP SERIES -

VSP Model	PUMP			MOTOR				Combined Weight Kg	Vasco Solar Model	List Price Ex GST
	Length mm	Outlet Inch	Dia mm	Dia. Inch	P2 kW	Voltage VAC	Length mm			
VSP 2-33	883	1 1/4" RP	98	4	1,5	3x220	307	23,2	212	
VSP 2-48	1198	1 1/4" RP	98	4	2,2	3x220	339	27,9	212	
VSP 3-25	692	1 1/4" RP	98	4	1,5	3x220	307	19,6	212	
VSP 3-33	883	1 1/4" RP	98	4	2,2	3x220	339	24,1	212	
VSP 3-45	1135	1 1/4" RP	98	4	3	3x380	394	29,5	409	
VSP 3-52	1282	1 1/4" RP	98	4	4	3x380	543	36,3	412	
VSP 5-17	524	1 1/2" RP	98	4	1,5	3x220	307	18	212	
VSP 5-25	692	1 1/2" RP	98	4	2,2	3x220	339	20,4	212	
VSP 5-33	868	1 1/2" RP	98	4	3	3x380	394	26,4	409	
VSP 5-44	1099	1 1/2" RP	98	4	4	3x380	543	34,2	412	
VSP 8-10	622	2" RP	98	4	1,5	3x220	307	20,3	212	
VSP 8-15	832	2" RP	98	4	2,2	3x220	339	23,7	212	
VSP 8-18	958	2" RP	98	4	3	3x380	394	27,6	409	
VSP 8-25	1252	2" RP	98	4	4	3x380	543	36,1	412	
VSP 8-37	1753	2" RP	98	4	5,5	3x380	652	49	415	
VSP 14-5	505	2" RP	98	4	1,5	3x220	307	18,5	212	
VSP 14-7	635	2" RP	98	4	2,2	3x220	339	20,7	212	
VSP 14-10	830	2" RP	98	4	3	3x380	394	25	409	
VSP 14-13	1025	2" RP	98	4	4	3x380	543	32	412	
VSP 14-18	1350	2" RP	98	4	5,5	3x380	652	42,1	415	
VSP 1425	1805	2" RP	98	4	7,5	3x380	731	50,5	418	
VSP 17-4	524	2 1/2" or 3" RP	131	4	2,2	3x220	339	23,7	212	
VSP 17-5	585	2 1/2" or 3" RP	131	4	3	3x380	394	27,6	409	
VSP 17-6	645	2 1/2" or 3" RP	131	4	3,7	3x380	520	33,1	409	
VSP 17-6*	645	2 1/2" or 3" RP	131	6	4	3x380	581	49,7	412	
VSP 17-7	706	2 1/2" or 3" RP	131	4	4	3x380	543	35,5	412	
VSP 17-7*	706	2 1/2" or 3" RP	131	6	4	3x380	581	51,2	412	
VSP 17-10	887	2 1/2" or 3" RP	131	4	5,5	3x380	652	46,7	415	
VSP 17-10*	887	2 1/2" or 3" RP	131	6	5,5	3x380	614	59,1	415	
VSP 17-13	1069	2 1/2" or 3" RP	142	4	7,5	3x380	731	55,1	418	
VSP 17-13*	1069	2 1/2" or 3" RP	142	6	7,5	3x380	646	67,6	418	
VSP 17-17	1311	2 1/2" or 3" RP	142	6	9,3	3x380	679	79,5	425	
VSP 17-20	1492	2 1/2" or 3" RP	142	6	11	3x380	711	87,2	425	
VSP 17-24	1734	2 1/2" or 3" RP	142	6	15	3x380	776	98,8	430	
VSP 17-27	1916	2 1/2" or 3" RP	142	6	15	3x380	776	103,2	430	
VSP 17-33	2279	2 1/2" or 3" RP	142	6	18,5	3x380	841	118,4	438	
VSP 17-40	2702	2 1/2" or 3" RP	142	6	22	3x380	906	134,5	448	
VSP 30-2	462	3" RP	131	4	2,2	3x220	339	22,8	212	
VSP 30-3	558	3" RP	131	4	3	3x380	394	26,9	409	
VSP 30-4	654	3" RP	131	4	3,7	3x380	520	32,7	409	
VSP 30-4*	654	3" RP	131	6	4	3x380	581	49,3	412	
VSP 30-6	846	3" RP	131	4	5,5	3x380	652	43,9	415	
VSP 30-6*	846	3" RP	131	6	5,5	3x380	614	56,3	415	
VSP 30-8	1038	3" RP	142	4	7,5	3x380	731	51,3	418	
VSP 30-8*	1038	3" RP	142	6	7,5	3x380	646	63,8	418	
VSP 30-13	1518	3" RP	142	6	11	3x380	711	81,7	425	
VSP 30-17	1902	3" RP	142	6	15	3x380	776	94,3	430	
VSP 30-21	2286	3" RP	142	6	18,5	3x380	841	108	438	
VSP 30-26	2766	3" RP	142	6	22	3x380	906	122	448	
VSP 30-35	3630	3" RP	142	6	30	3x380	1037	152,3	465	
VSP 46-2	496	3" or 4" RP	146	4	3	3x380	394	26	409	
VSP 46-3	609	3" or 4" RP	146	4	5,5	3x380	652	40,2	415	
VSP 46-3*	609	3" or 4" RP	146	6	5,5	3x380	614	52,6	415	
VSP 46-5	835	3" or 4" RP	149	4	7,5	3x380	731	48,7	418	
VSP 46-5*	835	3" or 4" RP	149	6	7,5	3x380	646	61,2	418	
VSP 46-7	1061	3" or 4" RP	149	6	11	3x380	711	75,3	425	
VSP 46-10	1400	3" or 4" RP	149	6	15	3x380	776	87,9	430	
VSP 46-12	1626	3" or 4" RP	149	6	18,5	3x380	841	99	438	
VSP 46-15	1965	3" or 4" RP	149	6	22	3x380	906	112	448	
VSP 46-19	2417	3" or 4" RP	149	6	30	3x380	1037	136	465	
VSP 46-24	2982	3" or 4" RP	149	6	37	3x380	1477	195	485	





VSP SOLAR PUMP SERIES -

VSP Model	PUMP			MOTOR				Combined Weight Kg	Vasco Solar Model	List Price Ex GST
	Length mm	Outlet Inch	Dia mm	Dia. Inch	P2 kW	Voltage VAC	Length mm			
VSP 60-1	383	3" or 4" RP	146	4	2,2	3x220	339	21,3	212	
VSP 60-2	496	3" or 4" RP	146	4	4	3x380	543	31	412	
VSP 60-2*	496	3" or 4" RP	146	6	4	3x380	581	46,7	412	
VSP 60-3	609	3" or 4" RP	146	4	5,5	3x380	652	40,2	415	
VSP 60-3*	609	3" or 4" RP	146	6	5,5	3x380	614	52,6	415	
VSP 60-4	722	3" or 4" RP	149	4	7,5	3x380	731	46,4	418	
VSP 60-4*	722	3" or 4" RP	149	6	7,5	3x380	646	58,9	418	
VSP 60-5	835	3" or 4" RP	149	6	9,3	3x380	679	67,3	425	
VSP 60-6	948	3" or 4" RP	149	6	11	3x380	711	73	425	
VSP 60-7	1061	3" or 4" RP	149	6	15	3x380	776	81,1	430	
VSP 60-8	1174	3" or 4" RP	149	6	15	3x380	776	83,4	430	
VSP 60-10	1400	3" or 4" RP	149	6	18,5	3x380	841	94,4	438	
VSP 60-12	1626	3" or 4" RP	149	6	22	3x380	906	105	448	
VSP 60-16	2078	3" or 4" RP	149	6	30	3x380	1037	129	465	
VSP 60-20	2530	3" or 4" RP	149	6	37	3x380	1477	186	485	
VSP 77-1*	618	5" RP	178	6	5,5	3x380	614	66,2	415	
VSP 77-2*	746	5" RP	178	6	7,5	3x380	646	73,9	418	
VSP 77-3	874	5" RP	178	6	11	3x380	711	87	425	
VSP 77-4	1003	5" RP	178	6	15	3x380	776	96,4	430	
VSP 77-5	1131	5" RP	178	8,0	18,5	3x380	841	103	438	
VSP 77-6	1259	5" RP	178	8,0	22	3x380	906	116	448	
VSP 77-9	1644	5" RP	178	8,0	30	3x380	1037	142	465	
VSP 77-11	1900	5" RP	178	8,0	37	3x380	1477	197	485	
VSP 95-1*	618	5" RP	178	6	5,5	3x380	614	66,2	415	
VSP 95-2	746	5" RP	178	6	9,3	3x380	679	80	425	
VSP 95-3	874	5" RP	178	6	15	3x380	776	92,8	430	
VSP 95-4	1003	5" RP	178	8,0	18,5	3x380	841	103	438	
VSP 95-5	1131	5" RP	178	8,0	22	3x380	906	113	448	
VSP 95-7	1387	5" RP	178	8,0	30	3x380	1037	135	465	
VSP 95-9	1644	5" RP	178	8,0	37	3x380	1477	190	485	
VSP 125-1	652	6" RP	211	6	11	3x380	711	84	425	
VSP 125-2	807	6" RP	211	8,0	22	3x380	906	109	448	
VSP 125-3	963	6" RP	211	8,0	30	3x380	1037	130	465	
VSP 125-4	1118	6" RP	211	8,0	37	3x380	1477	190	485	
VSP 160-1	652	6" RP	211	6	15	3x380	776	90,9	430	
VSP 160-2	807	6" RP	211	10,0	30	3x380	1037	125	465	
VSP 160-3	963	6" RP	211	10,0	37	3x380	1477	179	485	
VSP 215-1A	772	6" RP	237	6	15	3x380	776	106,6	430	
VSP 215-1	772	6" RP	237	6	18,5	3x380	841	113,1	438	
VSP 215-2AA	948	6" RP	237	6	30	3x380	1037	144	465	
VSP 215-2A	948	6" RP	237	6	37	3x380	776	116,5	485	

Solar pumps

Whatever the demand, there is always a VSP system that can satisfy it.



VSP CONTROL PANEL SERIES -

All the work is done for you with the VSP Control Panel designed, assembled and tested to your individual application requirements. Make install quick and easy - call us to get a control panel for your solar pump system.

It is equipped with:

- 800x800mm powder coated enclosure with cooling vents.
- VASCO Solar multpower drive - ordered separately
- 2m Earth lead & stake
- 1500VDC Isolator.
- Individual line fuse protections
- MC4 solar array connections.
- Pressure Transducer optional.
- DV/TV or Sinusoidal output filters.
- 5m prewired cable for float or pressure switch. (N.C. Contact)
- 1000VDC Surge protection.
- Heavy duty Galvanised mounting bracket + all fasteners.
- Manual AC/DC Switchgear and Input options for 415V Generator or Grid.
- Auto AC/DC switchgear also available using Nastec HMA.
- Bluetooth connection for simple monitoring and programing
- REMO possible to remote control your pump from anywhere in the world.

Part #	Description	List \$
ENC900	Complete VSP Control Panel	POA
Prices Starting from \$650.00		
As each job is different, so the is specification for each control panel.		





VASCO SOLAR INVERTERS

VASCO Solar inverters come to power traditional pumping systems using photovoltaic energy.

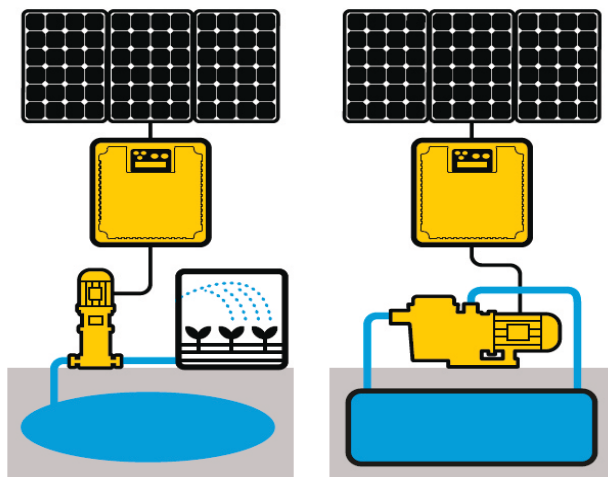
In this way it's possible to convert old systems in renewable energy installations or to use the same AC pumps in the creation of independent, cost-saving and environmentally sustainable water systems.

Pump speed is constantly adapted to available solar irradiation thus maximizing the amount of pumped water and making possible operation even in low irradiation conditions.

VASCO Solar also offers complete pump protection against over-voltage, over-current and dry running.



VASCO Solar



VASCO Solar can be used with any type of traditional AC pump, thereby offering maximum flexibility in several areas of application.



VASCO SOLAR INVERTERS

Model	V in VDC	V in , P1 Nom* VDC	MAX V out VAC	Max I out A	Typical Motor P2 VAC kW		Weight Kg	Size
VASCO Solar 212	160 - 650	> 320	3 x 230	12	3 x 230	2.2	8.2	2
VASCO Solar 409	320 - 850	> 560	3 x 400	9	3 x 400	3	8.3	2
VASCO Solar 412	320 - 850	> 560	3 x 400	12	3 x 400	4	8.5	2
VASCO Solar 415	320 - 850	> 560	3 x 400	15	3 x 400	5.5	8.5	2
VASCO Solar 418	320 - 850	> 560	3 x 400	18	3 x 400	7.5	8.5	2
VASCO Solar 425	320 - 850	> 560	3 x 400	25	3 x 400	11	8.5	2
VASCO Solar 430	320 - 850	> 560	3 x 400	30	3 x 400	15	8.7	2
VASCO Solar 438	320 - 850	> 560	3 x 400	38	3 x 400	18.5	28	3
VASCO Solar 448	320 - 850	> 560	3 x 400	48	3 x 400	22	28	3
VASCO Solar 465	320 - 850	> 560	3 x 400	65	3 x 400	30	28	3
VASCO Solar 485	320 - 850	> 560	3 x 400	85	3 x 400	37	28	3
VASCO Solar 4100	320 - 850	> 560	3 x 400	100	3 x 400	45	87	4
VASCO Solar 4118	320 - 850	> 560	3 x 400	118	3 x 400	55	87	4
VASCO Solar 4158	320 - 850	> 560	3 x 400	158	3 x 400	75	87	4
VASCO Solar 4198	320 - 850	> 560	3 x 400	198	3 x 400	93	87	4
VASCO Solar 4228	320 - 850	> 560	3 x 400	228	3 x 400	110	87	4
VASCO Solar 4268	320 - 850	> 560	3 x 400	268	3 x 400	132	87	4

Part #	Description	VDC Input	VAC Output	Max. Amp	List Ex GST
VS212	VS212 Vasco Solar Inverter - Typical Motor P2 2.2kW	120 - 650	3 x 230VAC	12	
VS409	VS409 Vasco Solar Inverter - Typical Motor P2 3.0kW	320 - 850	3 x 400VAC	9	
VS412	VS412 Vasco Solar Inverter - Typical Motor P2 4.0kW	320 - 850	3 x 400VAC	12	
VS415	VS415 Vasco Solar Inverter - Typical Motor P2 5.5kW	320 - 850	3 x 400VAC	15	
VS418	VS418 Vasco Solar Inverter - Typical Motor P2 7.5kW	320 - 850	3 x 400VAC	18	
VS425	VS425 Vasco Solar Inverter - Typical Motor P2 11kW	320 - 850	3 x 400VAC	25	
VS430	VS430 Vasco Solar Inverter - Typical Motor P2 15kW	320 - 850	3 x 400VAC	30	
VS438	VS438 Vasco Solar Inverter - Typical Motor P2 18.5kW	320 - 850	3 x 400VAC	38	
VS448	VS448 Vasco Solar Inverter - Typical Motor P2 22kW	320 - 850	3 x 400VAC	48	
VS465	VS465 Vasco Solar Inverter - Typical Motor P2 30kW	320 - 850	3 x 400VAC	65	
VS485	VS485 Vasco Solar Inverter - Typical Motor P2 37kW	320 - 850	3 x 400VAC	85	
VS4100	VS465 Vasco Solar Inverter - Typical Motor P2 30kW	320 - 850	3 x 400VAC	100	
VS4118	VS485 Vasco Solar Inverter - Typical Motor P2 37kW	320 - 850	3 x 400VAC	118	
VS4158	VS465 Vasco Solar Inverter - Typical Motor P2 30kW	320 - 850	3 x 400VAC	158	
VS4198	VS485 Vasco Solar Inverter - Typical Motor P2 37kW	320 - 850	3 x 400VAC	198	
VS4228	VS465 Vasco Solar Inverter - Typical Motor P2 30kW	320 - 850	3 x 400VAC	228	
VS4268	VS485 Vasco Solar Inverter - Typical Motor P2 37kW	320 - 850	3 x 400VAC	268	



VASCO Solar



MIDA SOLAR INVERTERS

Next generation of solar pumping inverter



MIDA Solar can be used with any type of traditional AC pump, thereby offering maximum flexibility in several areas of application.



Part #	Description	VAC Input	P2 MOTOR		List Ex GST
			Voltage	kW	
MIDA203-MP	Mida Solar Pump Controller - Multipower	90 - 265 AC	1 x 230	0.37	
		90 - 400 DC	3 x 230	0.55	
MIDA205-MP	Mida Solar Pump Controller - Multipower	90 - 265 AC	1 x 230	0.55	
		90 - 400 DC	3 x 230	1.10	
MIDA207-MP	Mida Solar Pump Controller - Multipower	90 - 265 AC	1 x 230	0.75	
		90 - 400 DC	3 x 230	1.50	

MIDA BOOST - Automatic Voltage Adjustment

MIDA Solar is equipped with an internal "boost" circuit able to increase the voltage from solar panels. In this way the sizing of the solar array is independent of the pumps nominal voltage and only proportional to its power. This implies a significant saving in the number of solar panels, compared to system with out boost feature.

Systems Without BOOST



In order to allow the pump to reach the maximum frequency (maximum speed) it is necessary to guarantee at least 320 VDC input thus it is necessary to install 11 panels 250 Wp, totally 2750 Wp.

MIDA System With BOOST



Thanks to the voltage boost integrated in MIDA Solar, only 5 panels 250 Wp are needed, with a consequent saving of 6 panels.



VMS SERIES - VERTICAL MULTISTAGE SURFACE PUMPS

Vertical multistage inline pumps powered by solar array with ability to connect to grid or backup generator if required.

An effective solution for water demands using Nastec MIDA & VASCO in combination with high quality surface pumps when submersible pumps can't be used.



Model	Description	Max Q (L/min)	Max H (m)	List Ex GST
VMS1-15/M203/4	Complete 0.75kW solar pump package with 4 solar panels	40	90	
VMS3-10/MPPT4	Complete 0.75kW solar pump package with 4 solar panels	75	65	
VMS3-19/MPPT8	Complete 1.5kW solar pump package with 8 solar panels	75	122	
VMS5-10/MPPT8	Complete 1.5kW solar pump package with 8 solar panels	120	70	
VMS5-14/MPPT12	Complete 2.2kW solar pump package with 12 solar panels	120	100	
VMS10-6/MPPT12	Complete 2.2kW solar pump package with 12 solar panels	200	60	

Packages Include:

- Vertical multistage pump - 304 stainless construction.
- Solar Panels - Trina 405w.
- Post mount kit for panels.
- Complete Star Pumps control panel with solar drive, DC isolation switch, DC circuit breaker, 5m x motor cables, 2m x solar cables, mounting bracket, all electrical connections are plug in.
- Programmed & tested.
- AC/DC changeover switch can be added if required.
- Pressure Tanks & Switches available.



VMS Surface Pumps



HMS SERIES - HORIZONTAL MULTISTAGE SURFACE PUMPS

Horizontal multistage pumps powered by solar array with ability to connect to grid or backup generator if required.

An effective solution for water demands using Nastec MIDA drive in combination with high quality surface pumps when submersible pumps can't be used.

Model	Description	Motor VAC	Max H (m)	Max Q (L/min)	\$
HMS2-40/MPPT3	Complete 0.5kW solar pump package with 3 solar panels	3 x 230VAC	37	60	
HMS2-50/MPPT4	Complete 0.6kW solar pump package with 4 solar panels	3 x 230VAC	47	60	
HMS4-50/MPPT4	Complete 1.0kW solar pump package with 4 solar panels	3 x 230VAC	45	125	
HMS4-60/MPPT6	Complete 1.1kW solar pump package with 6 solar panels	3 x 230VAC	55	125	



Packages Include:

- Horizontal multistage pump - 304 stainless construction. -
- Solar Panels - Trina 405w.
- Post mount kit for panels.
- Complete Star Pumps control panel with solar drive, DC isolation switch, DC circuit breaker, 5m x motor cables, 2m x solar cables, mounting bracket, all electrical connections are plug in.
- Programmed & tested.
- AC/DC changeover switch can be added if required.
- Pressure Tanks & Switches available.



HMS Surface Pumps



HMA CONTROL POWER SWITCH

The definitive solution for automatic switching between power sources

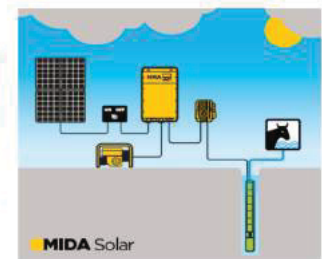
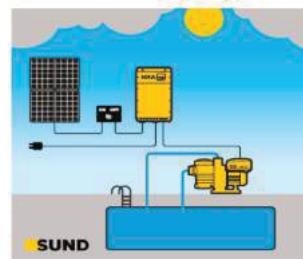
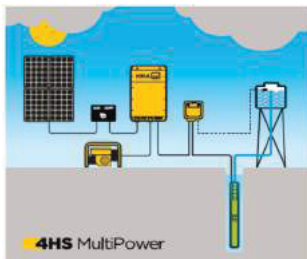


HMA is an electronic device for switching between power sources that integrates multiple functions:

- Automatic power source management.
- Mechanical disconnection of the two power supplies.
- Control of auxiliary generator.



Part #	Description	I MAX	VDC	VAC	List Ex GST
HMA218	HMA Auto Switching Device. Single Phase	18 A	90 - 400	1 x 90 - 265	
HMA420	HMA Auto Switching Device. Three Phase	30 A	190 - 850	3 x 190 - 520	
HMA485	HMA Auto Switching Device. Three Phase	85 A	190 - 850	3 x 190 - 520	
HMA4118	HMA Auto Switching Device. Three Phase	118 A	190 - 850	3 x 190 - 520	





3HS SUBMERSIBLE BORE PUMP SERIES

Solar Powered 3" Submersible Bore Pumps.



Complete solar pump packages including : -
3" Submersible pump & motor.

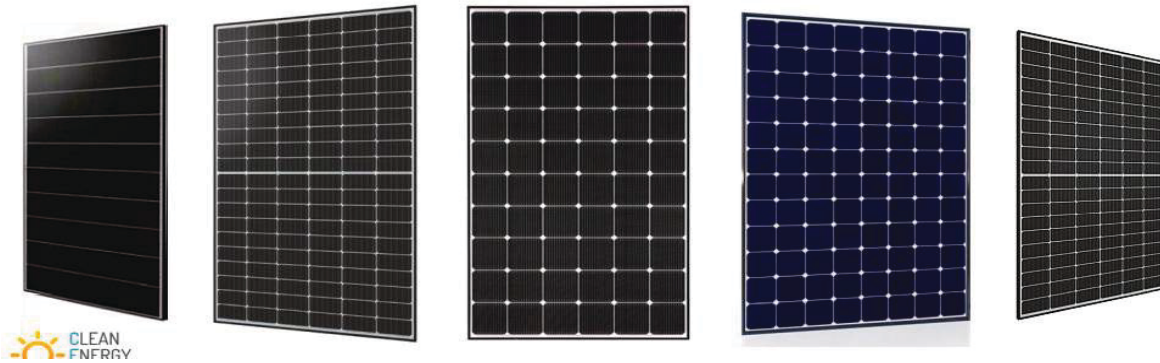
- Nastec MIDA Multipower solar drive.
- Complete control panel, wired & tested. - 1000VDC Isolation Switch
- DC Circuit Breaker
- Earth Stake
- Run Dry Protection
- MC 4 connectors and leads.
- 20m Power Cable & 4mm Stainless Safety Cable* (specify required length when ordering) - Complete borecap assembly including pressure switch, gauge & tank.
- Post mount kit & solar panels.
- All electrical connections are plugin.
- AC power Switchgear, input & protections available for backup generator or grid connection (please ask when ordering).

Part #	Description	Drive	Daily Flows	Max. Head (M)	List Ex GST
3HS-0217-MP3	3" Solar Submersible - 3 x 400w Panels - Complete System	MIDA 203	10,000L/day	75	
3HS-0233-MP6	3" Solar Submersible - 6 x 400w Panels - Complete System	MIDA 205	10,000L/Day	140	
3HS-0313-MP3	3" Solar Submersible - 3 x 400w Panels - Complete System	MIDA 203	15,000L/Day	50	
3HS-0322-MP6	3" Solar Submersible - 6 x 400w Panels - Complete System	MIDA 205	15,000L/Day	85	





SOLAR PANELS - JINKO, SUNTECH, TRINA SOLAR SERIES



Part #	Description	Imp	Vmp	VOC	List Ex GST
TSM345	345w Trina Solar Module - POLY - 35mm Frame - MC4	9.1A	37.8V	46.3V	
TSM370	370w Trina Solar Module - MONO - 35mm Black Frame - MC4	9.3A	39.7V	48.3V	
TSM400	400w Trina Vertex Solar Module - MONO - 35mm Black Frame - MC4	9.7A	41.1V	50.4V	
TSM500	500w Trina Vertex Solar Module - MONO - 35mm Black Frame - MC4	11.6A	42.8V	51.7V	
SUN350	350w Suntech Full Black - MONO - 35mm Black Frame - MC4	10.5A	33.5V	40.1V	
SUN370	370w Suntech HiPower - MONO - 35mm Silver Frame - MC4	10.8A	34.3V	40.9V	
JAS370	370w JA Solar - MONO - Black frame - MC4	9.3A	39.4V	48.5V	
JAS390	390w JA Solar - MONO - Black frame - MC4	9.4A	39.5V	48.6V	
LGI370	370w Longi - MONO - Hi-MO 4m - MC4	11.3V	34.1V	41.3V	

Pallet pricing available on request.





SOLAR Panels



STAR PUMP & CLEANERGY - WIND MILL MOUNTING SYSTEMS



Part #	Description	List Ex GST
SPM2	Star Pumps own 2 panel post mount kit - Australian Made - 100NB Post	
SPM3	Star Pumps own 3 panel post mount kit - Australian Made - 100NB Post	
SPM4	Star Pumps own 4 panel post mount kit - Australian Made - 100NB Post	
SPM6	Star Pumps own 6 panel post mount kit - Australian Made - 100NB Post	
PM2	Clenergy - 2 panel post mount kit - 4" Post.	
PM3	Clenergy - 3 panel post mount kit - 4" Post.	
PM4	Clenergy - 4 panel post mount kit - 4" Post.	
PM6	Clenergy - 6 panel post mount kit - 6" Post	
PM8	Clenergy - 8 panel post mount kit - 6" Post	
Clenergy Terrace & Roof style mount systems available on request.		

Adapt-a-Mill® Windmill mounting systems

The traditional Australian windmills are slowly being replaced with ever-improving solar pump technology. Following mechanical failure of an ageing windmill, a structurally sound tower will often remain and the Adapt-a-Mill systems are designed to make use of this existing tower as an alternative to erecting a pole mount array.



- All models are suitable for both 3 and 4 post (leg) towers
- Panels can be placed high out of reach of livestock - eliminating the need for additional stockproof fencing
- No need for digging, concreting, or drilling
- No need to remove or modify the tower
- Reduced cabling and pipework requirements
- Switches and pump controllers can be easily fastened
- Systems are compact for easy handling and storage (no long, heavy posts)

Part #	Description	List Ex GST
AM1	Suits support of 1 solar panel on 3 or 4 leg towers - Australian made product.	
AM2	Suits support of 2 solar panel on 3 or 4 leg towers - Australian made product.	
AM3	Suits support of 3 solar panel on 3 or 4 leg towers - Australian made product.	



CUSTOM BUILT TO ORDER SOLAR TRAILER PUMPING STATIONS



Custom made trailer mounted solar pump systems.

- New trailer or use your existing trailer
- Works as manual pump or auto pressure system - permanent fixture or removable submersible pump with floatation system
- All parts supplied including hose and fittings.
- 1 one pump for many different pumping sites

Need water on leased country ? ... take your investment with you

Give us a call on 0427 088 408 to discuss your trailer mounted system.

We can build you a trailer mounted solution for your pumping needs



Solar Trailer



PRESSURE TANKS & SUBMERSIBLE POWER CABLES

Tanks & Cable

PRESSURE TANKS

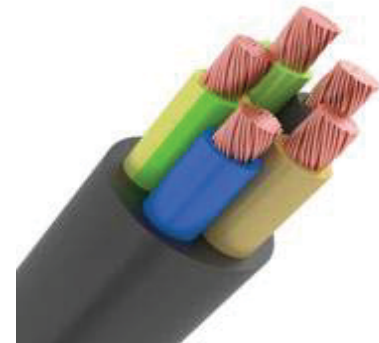
NSF Standard 61, IAPMO R&T UPC approved
 Corrosion resistant durable baked epoxy coating finish
 Polypropylene liner to ensure long durability
 Butyl diaphragm to assure long life and safety
 Leak free, O-ring sealed air valve cap
 100% pressure tested - No maintenance needed
 304 Stainless Steel water connection



Part #	Description	List Ex GST
PT08	8L Pressure Tank - 10Bar Working Pressure - 25mm MBSP Stainless Connection	
PT24	24L Pressure Tank - 10Bar Working Pressure - 25mm MBSP Stainless Connection	
PT60	60L Base Mounted Pressure Tank - 10Bar Working Pressure - 25mm MBSP Stainless Connection	

SUBMERSIBLE POWER CABLE

H07RN-F cable is a heavy-duty rubber flexible cable that is designed for supplying power to electric motors and submersible pumps in deep water installations. Thanks to its extraordinary flexibility and mechanical strength, H07RN-F cable is ideal for power transmission in both fixed installation or mobile service.



Part #	Description	Wire Core	mm2	List Ex GST \$/m
H07RNF-3G2.5	Rubber Submersible Cable (H07 Type)	3	2.5	
H07RNF-3G4	Rubber Submersible Cable (H07 Type)	3	4	
H07RNF-4G4	Rubber Submersible Cable (H07 Type)	4	4	
H07RNF-4G6	Rubber Submersible Cable (H07 Type)	4	6	
H07RNF-4G10	Rubber Submersible Cable (H07 Type)	4	10	
H07RNF-4G16	Rubber Submersible Cable (H07 Type)	4	16	
H07RNF-5G2.5	Rubber Submersible Cable (H07 Type)	5	2.5	
H07RNF-5G4	Rubber Submersible Cable (H07 Type)	5	4	
H07RNF-5G6	Rubber Submersible Cable (H07 Type)	5	6	











INSTALLATION ACCESSORIES

Part #	Description		List Ex GST
ISO2	1000VDC 32a Isolation Switch in IP Enclosure - 4pole,		
PVF10 PVF16 PVF20	10 x 38mm PV Fuse - 10amp 10 x 38mm PV Fuse - 16amp 10 x 38mm PV Fuse - 20amp		
MCB10 MCB16 MCB20 MCB16 MCB20 MCB25	DC Circuit Breaker - DIN Mount - 10amp - 2 Pole - 360VDC DC Circuit Breaker - DIN Mount - 16amp - 2 Pole - 360VDC DC Circuit Breaker - DIN Mount - 20amp - 2 Pole - 360VDC DC Circuit Breaker - DIN Mount - 20amp - 4 Pole - 1000VDC DC Circuit Breaker - DIN Mount - 20amp - 4 Pole - 1000VDC DC Circuit Breaker - DIN Mount - 20amp - 4 Pole - 1000VDC		
SOL402 SOL403 SOL404 SOL405 SOL602 SOL604 MC4-M/F	MC4 Connection leads - 4mm Twin Cable x 2m long, male & female MC4 plugs MC4 Connection leads - 4mm Twin Cable x 3m long, male & female MC4 plugs MC4 Connection leads - 4mm Twin Cable x 4m long, male & female MC4 plugs MC4 Connection leads - 4mm Twin Cable x 5m long, male & female MC4 plugs MC4 Connection leads - 6mm Twin Cable x 2m long, male & female MC4 plugs MC4 Connection leads - 6mm Twin Cable x 4m long, male & female MC4 plugs MC4 Plug Kit - 1 x Male & 1 x Female.		
BC32 BC40 BC50 BC80	Bore Cap - 32mm Stainless Socket, 250mm x 8mm Disc. AISI304 Bore Cap - 40mm Stainless Socket, 250mm x 8mm Disc. AISI304 Bore Cap - 50mm Stainless Socket, 250mm x 8mm Disc. AISI304 Bore Cap - 80mm Stainless Socket, 350mm x 8mm Disc. AISI304		
SSG4 SSC-1000	Stainless Steel Cable Grip - suits 4mm cable. Stainless Steel Cable - 4mm, 7x7 ply, AISI304 - 1000m Roll		
BT5-25 BT5-32	25mm Brass 5 Way Tee 32mm Brass 5 Way Tee		
PS7090 PG1000 PG1600 PG800	Telemecanique Pressure Switch - 70/90 psi 1000kpa Liquid filled pressure gauge - 63mm face. 1/4" BOTTOM entry. 800kpa Liquid filled pressure gauge - 63mm face. 1/4" BOTTOM entry. 800kpa Liquid filled pressure gauge - 63mm face. 1/4" BACK entry.		
ANODE1	Sacrificial Anode to suit 4" submersible pumps. 2.5Kg - 32mm BSP		





INSTALLATION ACCESSORIES

Part #	Description	List Ex GST
DV/DT1	14A DV/DT Output Filter : Suits VS212, 409, 412, 415 - Cable lengths to 150m	
DV/DT2	32A DV/DT Output Filter : Suits VS418, 425, 430 - Cable lengths to 150m	
DV/DT3	90A DV/DT Output Filter : Suits VS438, 448, 465, 485 - Cable lengths to 150m	
DV/DT4	280A DV/DT Output Filter : Suits VS4100 - 4268 - Cable lengths to 150m	
DV/DT5	14A Sinusoidal Output Filter : Suits VS212, 409, 412, 415 - Cable lengths over 150m	
DV/DT6	32A Sinusoidal Output Filter : Suits VS418, 425, 430 - Cable lengths over 150m	
DV/DT7	48A Sinusoidal Output Filter : Suits VS438, 448, 465, 485 - Cable lengths over 150m	
DV/DT8	115A Sinusoidal Output Filter : Suits VS4100 - 4268 - Cable lengths over 150m	
DV/DT9	280A Sinusoidal Output Filter : Suits VS4100 - 4268 - Cable lengths over 150m	
SM-NAS	Solar Meter - 4-20mA - 0-1200W/m2 - Suits 4HS & VASCO units	
FS-10	Float Switch - 3 Wire Type - 10m Cable	
WM50	Water Meter, 50mm Flanged - Pulse Output - VASCO	
WM80	Water Meter, 80mm Flanged - Pulse Output - VASCO	
WM100	Water Meter, 100mm Flanged - Pulse Output - VASCO	
AC/DCN AC/DC2	Nastec AC/DC Manual Switch - 500VDC - Suits MIDA, SUND & 4HS Systems to 500VDC Manual Transfer switch for higher voltages - suits Vasco systems to 850VDC	
PTRAN16 PTRAN25	Pressure Transducer - Danfoss - 16 Bar - 4-20mA Pressure Transducer - Danfoss - 25 Bar - 4-20mA	
SK-R SK-H	Nastec Cable Joint Kit - Resin Type - Suits 4HS & Nera Pump systems Heat Shrink type cable joint - 400mm - includes 4mm crimps	
String Combiner & Switch - Suits VSP Systems		
DC/CB1	String Combiner Box - 1 PV string with fuse & surge protection + 1000V Isolator	
DC/CB2	String Combiner Box - 2 PV string with fuse & surge protection + 1000V Isolator	
DC/CB3	String Combiner Box - 3 PV string with fuse & surge protection + 1000V Isolator	
DC/CB4	String Combiner Box - 4 PV string with fuse & surge protection + 1000V Isolator	
DC/CB5	String Combiner Box - 5 PV string with fuse & surge protection + 1000V Isolator	
DC/CB6	String Combiner Box - 6 PV string with fuse & surge protection + 1000V Isolator	
DC/CB7	String Combiner Box - 7 PV string with fuse & surge protection + 1000V Isolator	
DC/CB8	String Combiner Box - 8 PV string with fuse & surge protection + 1000V Isolator	
DC/CB9	String Combiner Box - 9 PV string with fuse & surge protection + 1000V Isolator	
DC/CB10	String Combiner Box - 10 PV string with fuse & surge protection + 1000V Isolator	
DC/CB11	String Combiner Box - 11 PV string with fuse & surge protection + 1000V Isolator	
DC/CB12	String Combiner Box - 12 PV string with fuse & surge protection + 1000V Isolator	
DC/CB13	String Combiner Box - 13 PV string with fuse & surge protection + 1000V Isolator	
DC/CB14	String Combiner Box - 14 PV string with fuse & surge protection + 1000V Isolator	
String combiner Boxes up to 30 strings available.		





4HS ELECTRIC SUBMERSIBLE PUMP RANGE

4HS is a range of 4" Electric submersible pumps for well applications, featuring:

- Three-phase water-filled permanent magnet synchronous motor with encapsulated resin stator, fully constructed of AISI 304 stainless steel.
- Built-in integrated inverter controlled by CM control module.
- Multistage pump made of AISI 304 stainless steel.

Inverter allows 4HS to:

- Change pump speed to maintain set pressure regardless of water demand.
- Starts and stops pump gently, thus reducing peak absorption, mechanical stress.
- Protects pump and drive from overload, surges, under/over-voltage, dry running, and any abnormal conditions.

Kit is made of:

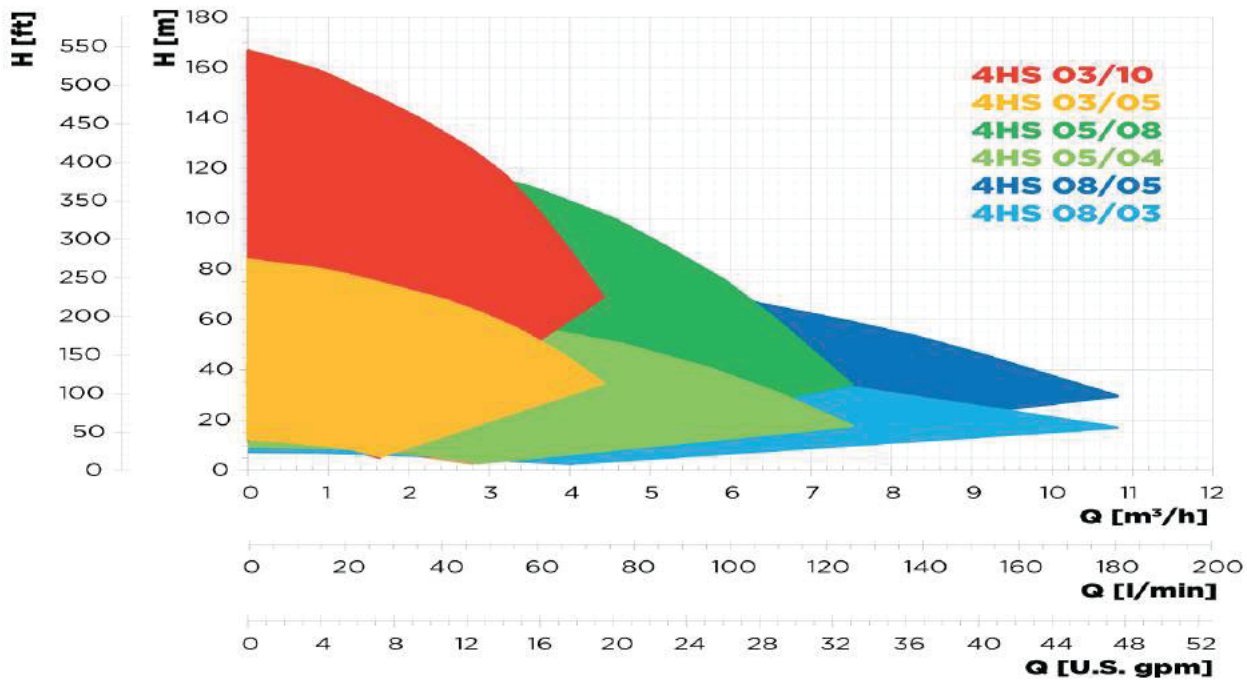
1. 4HS pump including 2.5 meters flat cable lead (ACS-WRAS - KTM compliant)
2. CM: Surface control module
3. Cable junction kit
4. Pressure transducer 0-16 bar or 0-250 psi

4HS



Part #	Description	Pump Type	Max. Flow (LPM)	Max. Head (M)
4HS03/05	4HS03/05 Submersible Pump System	Centrifugal	70	83
4HS03/10	4HS03/10 Submersible Pump System	Centrifugal	70	165
4HS05/04	4HS05/04 Submersible Pump System	Centrifugal	125	55
4HS05/08	4HS05/08 Submersible Pump System	Centrifugal	125	110
4HS08/03	4HS08/03 Submersible Pump System	Centrifugal	175	45
4HS08/05	4HS08/05 Submersible Pump System	Centrifugal	175	75

pressure transducer and cable joint kit.





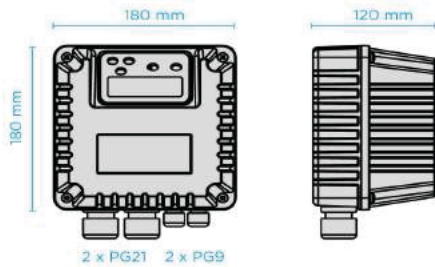
PILOT AND AVIATOR PUMP CONTROL, MOTORS -

PILOT is an electronic device for the control of single phase and three phase motors (pumps) which provides protection against:

- Overcurrent
- Phase loss
- Excessive number of starts
- Dry running
- 2 voltage free inputs configurable N.O or N.C. for motor run/stop
- Alarm Signal N.C. or N.O.

PILOT stores in memory the number of pump starts and total running hours. The alarm history is also stored to assist with servicing.

The body is constructed entirely of aluminium, making PILOT extremely solid and easily cooled. The IP55 protection makes it possible to install PILOT even in humid and dusty environments.



Part #	Description	Voltage VAC	Max. Current (A)	Weight (Kg)	List Ex GST
PILOT 118	Pilot 118 Single Phase (240V) Pump Control & Protection	1 x 240	18	2	
PILOT 312	Pilot 312 Three Phase (400V) Pump Control & Protection	3 x 400	12	2.4	
PILOT 325	Pilot 325 Three Phase (400V) Pump Control & Protection	3 x 400	25	2.4	
PILOT 330	Pilot 330 Three Phase (400V) Pump Control & Protection	3 x 400	30	2.4	

Part #	Description	Voltage VAC	Start Cap (uf)	Motor Size (kW)	List Ex GST
AVIATOR 1	Aviator Boost Capacitor 0.37-0.55kW 53-64uf Capacitor	240	53 - 64	0.37 - 0.55	
AVIATOR 2	Aviator Boost Capacitor 0.75-1.1kW 108-130uf Capacitor	240	108 - 130	0.75 - 1.10	
AVIATOR 3	Aviator Boost Capacitor 0.37-0.55kW 53-64uf Capacitor	240	189 - 227	1.50 - 2.20	

AVIATOR

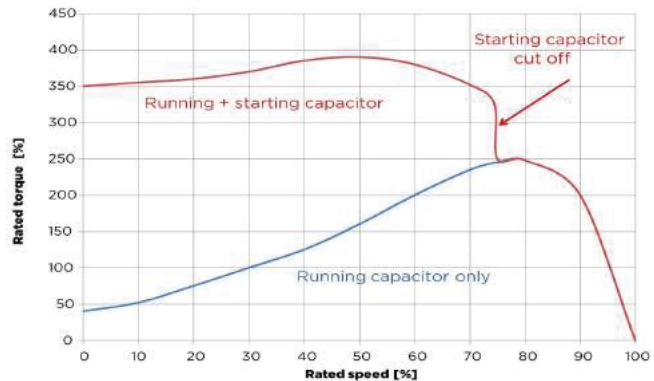


Single-phase motors may have difficulty starting, especially when there is a high voltage drop. AVIATOR electronic board increases the starting torque of the motor in a simple and economical way to ensure the starting of the

AVIATOR, available as an accessory for the PILOT 118, is equipped with specific contacts allowing it to be fitted directly onto the power board of the PILOT 118. The starting capacitor provided by the AVIATOR board is connected in parallel to the running capacitor, but only in the starting phase. When the motor is running the AVIATOR will disconnect the starting capacitor.

In traditional boosters the starting relay is triggered by the voltage value across the starting coil which disconnects the starting capacitor after the motor has started. The limitations of this system are that different relay models are required depending on the motor used, supply frequency, maximum voltage of the starting coil and the on/off voltage of the starting capacitor. This requires a large stock of voltage relays specific to each motor and each manufacturer

With the Nastec solution the control circuit of the PILOT constantly measures all the electric motor parameters and disconnects the starting capacitor only when necessary. This means that AVIATOR, in conjunction with PILOT 118, can operate any single-phase motor from any major manufacturer, all that is required is to select the right value of starting capacitor for the size of motor.





VSD SERIES - VARIABLE SPEED PUMP SOLUTIONS

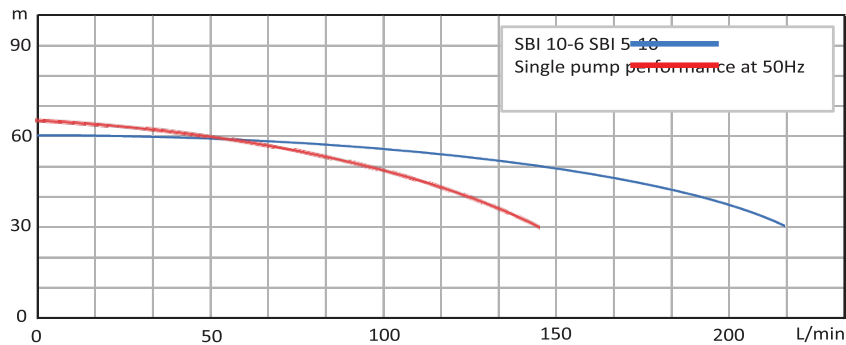
Complete variable speed pump set solutions for many different applications.

A combination of Nastec's VASCO inverter specifically designed for pumping applications, and high quality vertical multistage inline pumps.

- Duty Standby/Duty Assist.
- All Wet parts in 304SS.
- Cartridge type seal SiC/SiC/Viton.
- Three Phase WEG high efficiency motors.
- Discharge Manifold + Fittings.
- Assembled, Programmed & wet tested prior to dispatch.
- Many sizes and combinations available.

VSD Pump Sets

Model	Description	Motor kW	Drive	Input VAC	LIST Ex GST
VSD5-10-M	Complete Single Pump System - c/w base plate & manifold	1 x 1.5kW	Vasco 214	1 x 240V	
VSD5-10D-M	Complete Dual Pump System - c/w base plate & manifold	2 x 1.5kW	2 x Vasco 214	1 x 240V	
VSD10-6-M	Complete Single Pump System - c/w base plate & manifold	1 x 2.2kW	Vasco 214	1 x 240V	
VSD10-6-T	Complete Single Pump System - c/w base plate & manifold	1 x 2.2kW	Vasco 409	1 x 415V	
VSD10-6D-M	Complete Dual Pump System - c/w base plate & manifold	2 x 2.2kW	2 x Vasco 214	1 x 230V	
VSD10-6D-M	Complete Dual Pump System - c/w base plate & manifold	2 x 2.2kW	2 x Vasco 409	1 x 415V	





VASCO SERIES - VARIABLE SPEED CONTROLLERS

VASCO is a purpose-built family of variable frequency drives, designed to control and protect pumping systems based on changing pump speed



From water supply for domestic, irrigation, commercial and industrial applications, to heating and air conditioning, from filtering to pressure washing, the VASCO range perfectly fits any new or existing application ensuring:

- energy and cost saving
- simplified installation
- longevity of pumping system

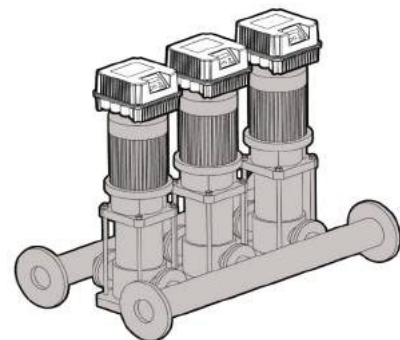
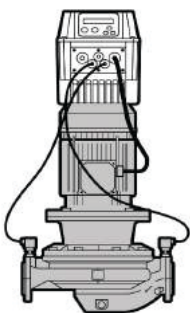
VASCO units are extremely compact and, connected to any pump on the market, will manage the operation of the pump to maintain a constant desired physical dimension (such as pressure, flow, temperature or other).

The pumping system runs only at the speed necessary to meet the user's requirements, ensuring energy savings and extending the life of the system. VASCO also provides motor protection and monitoring, such as:

- protection against overload and dry running
- indication of input current and supply voltage
- integrated soft start and soft stop functions, extending the life of the system and reducing peak absorption
- recording running hours and logging errors and alarms reported by the system
- VASCO can control a second or third pump at constant speed DOL (DOL: Direct On Line)
- connect to other VASCOs to get combined operation

The compact body is constructed entirely of aluminium, making VASCO extremely solid, lightweight and easily cooled, adding to the unit's versatility.

The IP55 degree of protection makes it possible to install VASCO virtually anywhere, including humid and dusty environments. The illuminated liquid crystal display ensures VASCO is easy to operate, and a buzzer provides an immediate indication of alarm.



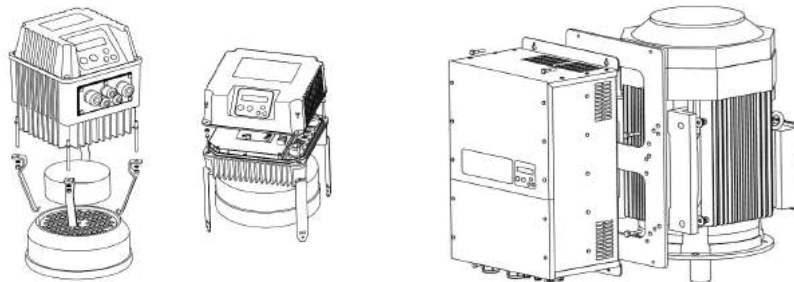
VARIABLE SPEED CONTROLLER



VASCO SERIES - VARIABLE SPEED CONTROLLERS

VASCO is a purpose-built family of variable frequency drives, designed to control and protect pumping systems based on changing pump speed

Model	Vin ± 15% VAC	Max V out VAC	Max I out A	P2 motor power* kW	LIST \$ Ex. GST
VASCO 209	1 x 230 1 x 230	1 x Vin 3 x Vin	9 7	1,1 1,5	
VASCO 214	1 x 230 1 x 230	1 x Vin 3 x Vin	9 11	1,1 3	
VASCO 218	1 x 230	3 x Vin	18	4	
VASCO 225	1 x 230	3 x Vin	25	5,5	
VASCO 230	1 x 230	3 x Vin	30	7,5	
VASCO 238	1 x 230	3 x Vin	38	9,3	
<hr/>					
VASCO 306	3 x 230	3 x Vin	6	1,1	
VASCO 309	3 x 230	3 x Vin	9	2,2	
VASCO 314	3 x 230	3 x Vin	14	3	
VASCO 318	3 x 230	3 x Vin	18	4	
VASCO 325	3 x 230	3 x Vin	25	5,5	
VASCO 330	3 x 230	3 x Vin	30	7,5	
VASCO 338	3 x 230	3 x Vin	38	9,3	
VASCO 348	3 x 230	3 x Vin	48	11	
VASCO 365	3 x 230	3 x Vin	65	15	
VASCO 375	3 x 230	3 x Vin	75	18,5	
VASCO 385	3 x 230	3 x Vin	85	22	
VASCO 3118	3 x 230	3 x Vin	118	30	
VASCO 3158	3 x 230	3 x Vin	158	37	
VASCO 3185	3 x 230	3 x Vin	185	45	
VASCO 3215	3 x 230	3 x Vin	215	55	
VASCO 3268	3 x 230	3 x Vin	268	75	
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VASCO 406	3 x 380-460	3 x Vin	6	2,2	
VASCO 409	3 x 380-460	3 x Vin	9	4	
VASCO 414	3 x 380-460	3 x Vin	14	5,5	
VASCO 418	3 x 380-460	3 x Vin	18	7,5	
VASCO 425	3 x 380-460	3 x Vin	25	11	
VASCO 430	3 x 380-460	3 x Vin	30	15	
VASCO 438	3 x 380-460	3 x Vin	38	18,5	
VASCO 448	3 x 380-460	3 x Vin	48	22	
VASCO 465	3 x 380-460	3 x Vin	65	30	
VASCO 475	3 x 380-460	3 x Vin	75	37	
VASCO 485	3 x 380-460	3 x Vin	85	45	
VASCO 4118	3 x 380-460	3 x Vin	118	55	
VASCO 4158	3 x 380-460	3 x Vin	158	75	
VASCO 4185	3 x 380-460	3 x Vin	185	90	
VASCO 4215	3 x 380-460	3 x Vin	215	110	
VASCO 4268	3 x 380-460	3 x Vin	268	132	





ST SUBMERSIBLE RANGE

Pump Model	HP	Kw	List Ex GST
ST-0510	0.5	0.37	
ST-0513	0.5	0.37	
ST-0519	0.75	0.55	
ST-0526	1	0.75	
ST-0538	1.5	1.1	
ST-0710	0.5	0.37	
ST-0715	0.8	0.55	
ST-0720	1	0.75	
ST-0730	1.5	1.1	
ST-0734	2	1.5	
ST-0736	2	1.5	
ST-1005	0.5	0.37	
ST-1007	0.5	0.37	
ST-1010	0.75	0.55	
ST-1014	1	0.75	
ST-1020	1.5	1.1	
ST-1305	0.5	0.37	
ST-1308	0.5	0.37	
ST-1311	1	0.75	
ST-1316	1.5	1.1	
ST-1321	2	1.5	
ST-1332	3	2.2	
ST-1805	0.5	0.37	
ST-1807	0.75	0.55	
ST-1809	1	0.75	
ST-1814	1.5	1.1	
ST-1818	2	1.5	
ST-1827	3	2.2	
ST-1835	4	3	
ST-1844	5	3.7	
ST-1848	5.5	4	
ST-2504	0.5	0.37	
ST-2506	1	0.75	
ST-2508	1	0.75	
ST-2512	1.5	1.1	
ST-2516	2	1.5	
ST-2524	3	2.2	
ST-2532	4	3	
ST-2540	5	3.7	
ST-2544	5.5	4	



Pump Model	HP	Kw	List Ex GST
ST-3507	1	0.75	
ST-3510	1.5	1.1	
ST-3514	2	1.5	
ST-3520	3	2.2	
ST-3527	4	3	
ST-3534	5	3.7	
ST-3536	5.5	4	
ST-3549	7.5	5.5	
ST-4004	1	0.75	
ST-4006	1.5	1.1	
ST-4008	2	1.5	
ST-4013	3	2.2	
ST-4017	4	3	
ST-4021	5	3.7	
ST-4023	5.5	4	
ST-4032	7.5	5.5	
ST-5507	1.5	1.1	
ST-5510	2	1.5	
ST-5514	3	2.2	
ST-5518	4	3	
ST-5522	5	3.7	
ST-5524	5.5	4	
ST-5532	7.5	5.5	
ST-6007	2	1.5	
ST-6010	3	2.2	
ST-6014	4	3	
ST-6017	5	3.7	
ST-6019	5.5	4	
ST-6026	7.5	5.5	
ST-8008	3	2.2	
ST-8011	4	3	
ST-8013	5	3.7	
ST-8015	5.5	4	
ST-8020	7.5	5.5	
ST-8026	10	7.5	



ST Submersible

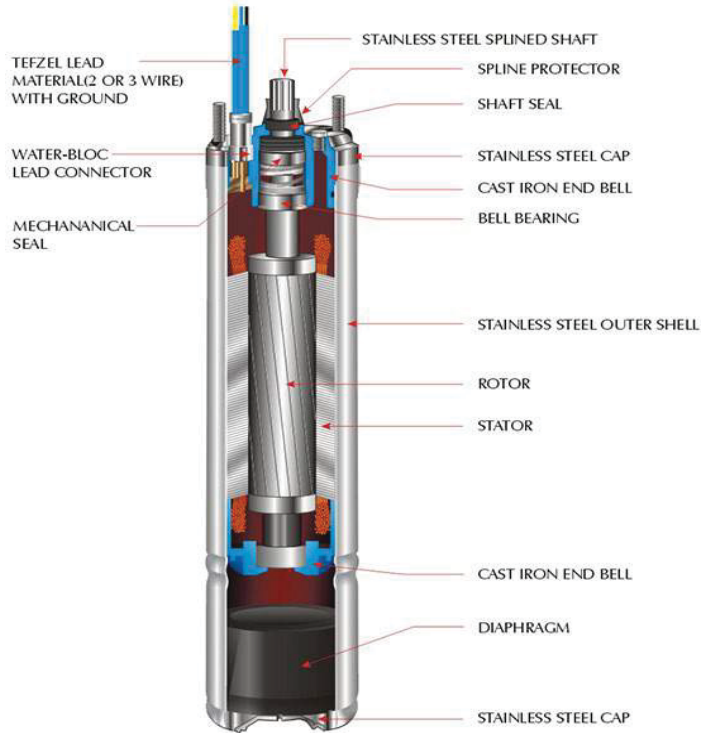


ST 4INCH - SUBMERSIBLE MOTOR RANGE

3 Wire Motors (1 x 240VAC)			
Part #	HP	Kw	List Ex GST
4.0/100M	1	0.75	
4.0/150M	1.5	1.1	
4.0/200M	2	1.5	
4.0/300M	3	2.2	
4.0/400M	4	3	
4.0/550M	5.5	4	

3 Phase Motors (3 x 415VAC)			
Part #	HP	Kw	List Ex GST
4.0/100T	1	0.75	
4.0/150T	1.5	1.1	
4.0/200T	2	1.5	
4.0/300T	3	2.2	
4.0/400T	4	3	
4.0/550T	5.5	4	
4.0/750T	7.5	5.5	
4.0/1000T	10	7.5	

3 Phase Motors (3 x 230VAC)			
Part #	HP	Kw	List Ex GST
4.0/100T2	1	0.75	
4.0/150T2	1.5	1.1	
4.0/200T2	2	1.5	
4.0/300T2	3	2.2	



4" Motors



Part Construction Materials

- Cable XPLE
- Sand Slinger NBR
- Lip Seal NBR
- Mechanical Seal Sic/Sic
- Motor Shaft AISI 410
- Screws AISI 316
- Cover AISI 316
- O-Ring NBR
- Brackets AISI 304
- Ball Bearings AISI52100
- Diaphragm NBR





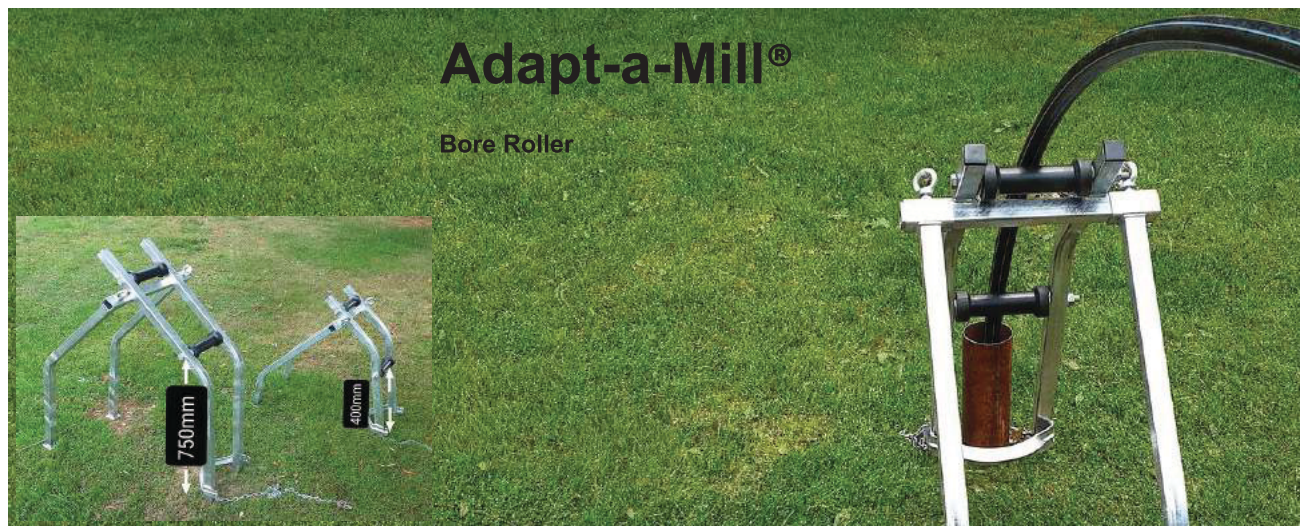
TOOLS & EQUIPMENT



Adapt-a-Mill®

Poly Pipe Spinner

Part #	Description	List Ex GST.
AMPOLY	Poly Pipe Spinner - Suitable for poly pipe up to 63mm	\$993.00
AMPOLYHUB	Main Hub and keepers - Excludes legs & arms	\$707.00



Adapt-a-Mill®

Bore Roller

Part #	Description	List Ex GST.
AMB400	400mm Bore Roller - Installation & Removal Tool	\$570.00
AMB750	750mm Bore Roller - Installation & Removal Tool	\$645.00



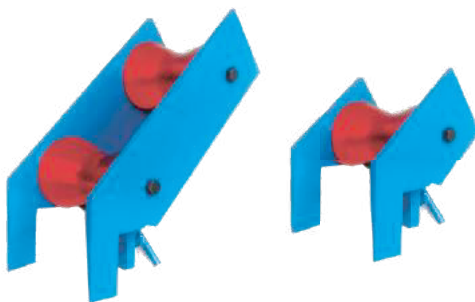
Tools & Equipment



TOOLS & EQUIPMENT

WATER LEVEL TAPE

Part #	Description	List Ex GST
WLM-200	Water Level Tape. 0 - 200m Measurement 1 x 9VDC Battery. Accuracy +/- 2mm. 11kg Emits tone/buzzer when probe imersed in water	



BORE PIPE GUIDES

Part #	Description	List Ex GST
	Designed to guide and protect the pipes and cables from damage on sharp edges of bore casing when installing and removing pump.	

BOREHOLE INSPECTION CAMERA

- 240Vac 50Hz power supply. - 8" LCD Colour Display
- Video & Still image recording to SD card.
- Camera Diameter 75mm with 360° rotation - Auto & Manual Focus
- LED Lights inbuilt adjustable intensity
- Depths to 250m (Larger models available to 2000m) - Variable Winch Speed

Part #	Description	List Ex GST
BoreCam	Bore Camera 250m	



Pump Control Equipment

Kenrahan Controls

Kelco Controls

Hydrovar Controls

Constant Pressure Controls

Pressures Switches / Transducers





CONSTANT PRESSURE SYSTEMS

CPS Constant Pressure Systems - Above Ground Pumps

Code: CP

Kenrahan Constant Pressure Starters control the pressure in pumping systems via an easily adjustable potentiometer setpoint fed in the VSD. The standard CPS is housed in a powder coated metal lockable enclosure for ease of installation and are available in many standard or special combinations to suit most applications.

General information

The standard model illustrated here is the most common with a Variable speed drive pre set to a desired pressure set point via the simple potentiometer mounted on the internal door.

The control panels come standard with high and low pressure protection with time delays..

The desired setpoint and actual feedback pressure is displayed on the digital drive display..

At the end of the irrigation run or application duty the pump will slow down to the preset stop value and shut down.

The standard model has an adjustable set point potentiometer and Manual Off Auto selector switch

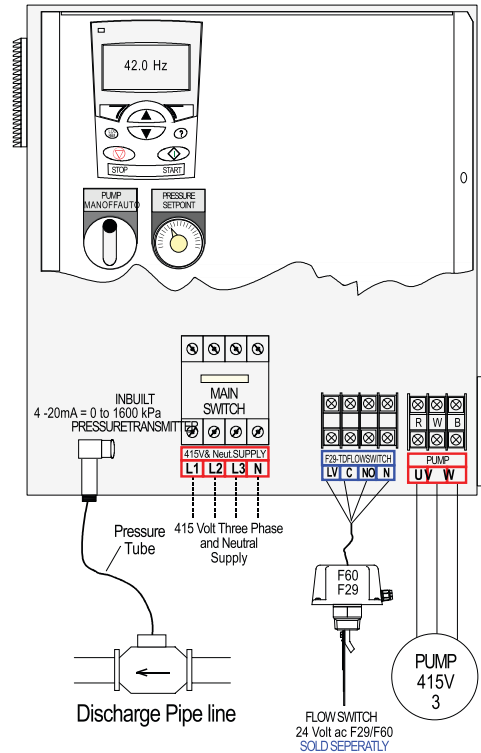
With this method the pre set irrigation run will be completed regardless of the number of times the power is interrupted during non irrigation periods

Mount the starter, connect the supply, connect the pressure tube to the discharge line and connect the pump motor.

Many additional features can be added to achieve a system to suit particular installations. For example:

- ◆ Radio control via SMS
- ◆ High Pressure protection with time delay
- ◆ Low Pressure protection with time delay
- ◆ Start delay to prevent starting in poor power conditions
- ◆ No flow circuit with time delay
- ◆ 24V Pump start relay form irrigation controller
- ◆ Thermistor over temperature protection
- ◆ Low Level Protection and relay
- ◆ Low Bore Level Protection and relay
- ◆ PT100 Temperature protection for Submersible motors

CPS-6D-VSD



Standard Models 415V 3 Phase CPS standard

MODEL	kW	Volts	PRICE	Amps	REMARKS
CPS-6D-2.6	0.75	415		2.6 FLA	Constant pressure starter with an adjustable set point via a potentiometer. VSD housed in lockable steel dead front ventilated powder coated enclosure.
CPS-6D-3.6	1.1	415		3.6 FLA	
CPS-6D-4.5	1.5	415		4.5 FLA	
CPS-6D-6.2	2.2	415		6.2 FLA	Man-Off-Auto selector, PID in Auto full speed in Manual 240v external control terminal.
CPS-6D-7.8	3.0	415		8.0 FLA	
CPS-6D-9.5	4.0	415		9.7 FLA	
CPS-6D-13	5.5	415		13.8 FLA	
CPS-6D-17	7.5	415		17.2 FLA	
CPS-6D-25	11	415		25.4 FLA	
CPS-6D-34	15	415		34.1 FLA	
CPS-6D-42	18.5	415		41.8 FLA	
CPS-6D-48	22	415		48.4 FLA	
CPS-6D-59	30	415		59.0 FLA	
CPS-6D-72	37	415		72.0 FLA	
CPS-6D-87	45	415		87.0 FLA	
CPS-6D-125	55	415		125 FLA	

Options

CODE	PRICE	OPTION
LLR		Stop on level fall, resart on level rise for suction tank.
BLC		Low level probe circuit to stop on level fall in the Bore.
RP		Resart on level rise in the bore, for low yield bores
DTC		Start on time, stop on time on particular days with reserve.
SUR		20kA Lightning protection.
TX		415/240V Control transformer for sites with no Neutral.
OTR		PT100 Overttemperature protection.
MTC		30 Hour count down timer
SDT		Start delay timer (Standard, 37 kW & above)



CONSTANT PRESSURE SYSTEMS

CPS Constant Pressure Systems - Submersible Pumps

Kenrahan Constant Pressure Starters control the pressure in pumping systems via an easily adjustable potentiometer setpoint fed in the VSD. The standard CPS is housed in a powder coated metal lockable enclosure for ease of installation and are available in many standard or special combinations to suit most applications.

General information

The standard model illustrated here is the most common with a Variable speed drive pre set to a desired pressure set point via the simple potentiometer mounted on the internal door.

The control panels come standard with high and low pressure protection with time delays..

The desired setpoint and actual feedback pressure is displayed on the digital drive display..

At the end of the irrigation run or application duty the pump will slow down to the preset stop value and shut down.

The standard model has an adjustable set point potentiometer and Manual Off Auto selector switch

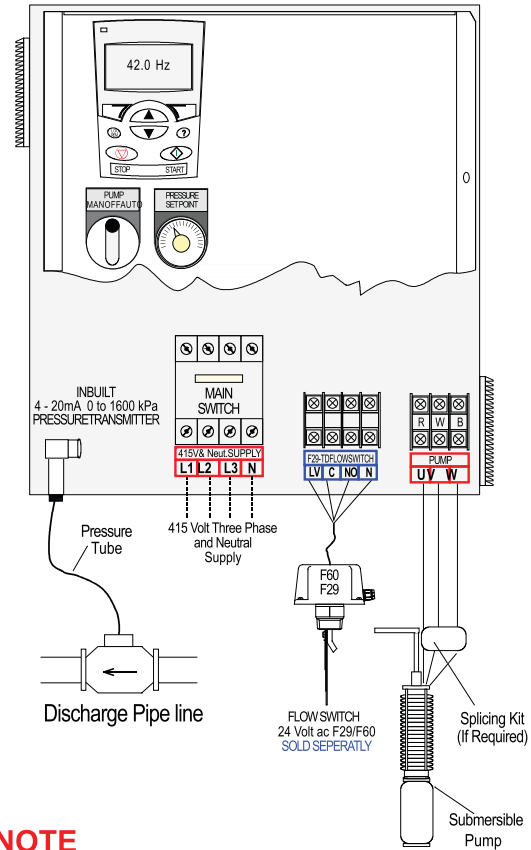
With this method the pre set irrigation run will be completed regardless of the number of times the power is interrupted during non irrigation periods

Mount the starter, connect the supply, connect the pressure tube to the discharge line and connect the pump motor.

Many additional features can be added to achieve a system to suit particular installations. For example:

- ◆ Radio control via SMS
- ◆ High Pressure protection with time delay
- ◆ Low Pressure protection with time delay
- ◆ Start delay to prevent starting in poor power conditions
- ◆ No flow circuit with time delay
- ◆ 24V Pump start relay form irrigation controller
- ◆ Thermistor over temperature protection
- ◆ Low Level Protection and relay
- ◆ Low Bore Level Protection and relay
- ◆ PT100 Temperature protection for Submersible motors

CPS-6D-VSD



NOTE

For Submersible motors a Sinus Filter is supplied in a separate enclosure .

Standard Models 415V 3 Phase			CPS standard		
MODEL	kW	Volts	PRICE	Amps	REMARKS
CPS-6D-2.6	0.75	415		2.6 FLA	Constant pressure starter with an adjustable set point via a potentiometer.
CPS-6D-3.6	1.1	415		3.6 FLA	
CPS-6D-4.5	1.5	415		4.5 FLA	VSD housed in lockable steel dead front ventilated powder coated enclosure.
CPS-6D-6.2	2.2	415		6.2 FLA	
CPS-6D-7.8	3.0	415		8.0 FLA	Man-Off-Auto selector, PID in Auto full speed in Manual 240v external control terminal.
CPS-6D-9.5	4.0	415		9.7 FLA	
CPS-6D-13	5.5	415		13.8 FLA	Output sinus filter supplied in a separate enclosure.
CPS-6D-17	7.5	415		17.2 FLA	
CPS-6D-25	11	415		25.4 FLA	
CPS-6D-34	15	415		34.1 FLA	
CPS-6D-42	18.5	415		41.8 FLA	
CPS-6D-48	22	415		48.4 FLA	
CPS-6D-59	30	415		59.0 FLA	
CPS-6D-72	37	415		72.0 FLA	
CPS-6D-87	45	415		87.0 FLA	
CPS-6D-125	55	415		125 FLA	

Options		
CODE	PRICE	OPTION
LLR		Stop on level fall, restart on level rise for suction tank.
BLC		Low level probe circuit to stop on level fall in the Bore.
RP		Restart on level rise in the bore, for low yield bores
DTC		Start on time, stop on time on particular days with reserve.
SUR		20kA Lightning protection.
TX		415/240V Control transformer for sites with no Neutral.
OTR		PT100 Overtemperature protection.
MTC		30 Hour count down timer
SDT		Start delay timer (Standard, 37 kW & above)
BLC		Probe relay suit 1 or 2 probes

NOTE

For Submersible motors a Sinus Filter is supplied in a separate enclosure.



KENRAHAN IRRIGATION STARTERS

FPS-FIS Kenrahan Irrigation Starter

Kenrahan Irrigation Starters have been developed for the rural area and are robust and rated to suit harsh conditions. They are completely weatherproof and pre-wired to save installation time. The standard model has a 30 hour irrigation timer and loss of pressure protection which makes it suitable for most applications including Travelling Irrigators, Side Roll, Drip, Fixed Irrigation etc.

General information

The standard model has a manual set 30 hour timer for the irrigation run and loss of pressure protection. Simply turn the irrigation timer to the desired operating time and press the start button.

At the end of the pre-set time or if the pressure falls during the irrigation time the pump will stop, and not restart until the start button is pushed. The remaining pumping time is displayed on the Irrigation Timer.

The standard unit is fitted with a timer which will automatically by-pass the pressure switch during starting and can be wired to enable auto restarting after power interruptions.

With this method the irrigation run will be completed regardless of the number of times the power is interrupted during non irrigation periods.

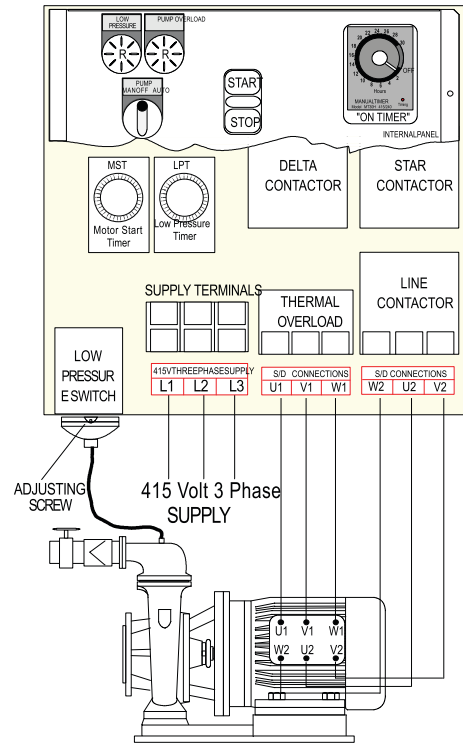
The Standard IS can have many options:-

- ◆ Ammeter.
- ◆ Flow switch circuit.
- ◆ Flow switch circuit with time delay.
- ◆ Thermistor overtemperature protection.
- ◆ Low level relay to suit level switches if pumping from tank
- ◆ High pressure switch circuit.
- ◆ High pressure switch and time delay for high pressure protection.
- ◆ 24 Hour timer to start and stop daily at pre set times.
- ◆ Transformer for 24 Volt ac control circuits.

See full list of options on page 40 of the price list.

Various starting methods, like Direct on Line, Star Delta, Soft Starter, Auto transformer or Variable Speed Drive can be supplied for small or large kilowatt motors in standard models.

IS-22SD



Star Delta Irrigation Starter with 30 hour manual set, auto stop irrigation timer and loss of pressure protection.

IS Star / Delta Starter Suggested Standard

MODEL	k W	PRICE	Overload	REMARKS
IS-8SD	7.5		9 - 13	Standard model as shown with Manual-Off-Auto selector, indicators for low pressure and overload, inbuilt low pressure switch & an 30 hr. Irrigation timer housed in a powder coated enclosure.
IS-11SD	11		12 - 18	
IS-15SD	15		12 - 18	
IS-19SD	18.5		18 - 26	
IS-22SD	22		18 - 26	
IS-30SD	30		24 - 34	A model with start/stop buttons as in basic Star/Delta models can be supplied if auto restart is not desirable.
IS-37SD	37		34 - 50	
IS-45SD	45		34 - 50	An Ammeter or Hours Run Meter are recommended features which can be easily added to the standard product range.
IS-55SD	55		43 - 65	
IS-75SD	75		54 - 80	
IS-90SD	90		100 - 150	
IS-110SD	110		100 - 150	

Options

CODE	PRICE	OPTION
ACT		Ammeter CT operated
HRM		Hours Run Meter
NFD		No Flow circuit with time delay
BLC		Probe relay suit 1 or 2 probes
TCU		Thermistor overtemperature relay
LLR		Low Level protection circuit with relay
TX		24 Volt Extra Low Voltage control
DTC		Digital time control in lieu of standard
MTC		30 Hour count down timer
SDT		Start delay timer (Standard, 37 kW & above)
HPTD		High pressure protection with time delay
LPTD		Low pressure protection with time delay
PFR		Phase failure relay and time delay
SMS		SMS Text Start/Stop and fault indication via SMS



KENRAHAN IRRIGATION SOFT STARTERS

FPS-FIS Kenrahan Irrigation Soft Starter

Kenrahan Irrigation Soft Starters have been developed for the rural area and are robust and rated to suit harsh conditions. They are completely weatherproof and pre-wired to save installation time. The standard model has a 30 hour irrigation timer and loss of pressure protection which makes it suitable for most applications including Travelling Irrigators, Side Roll, Drip, Fixed Irrigation etc.

General information IS-30SS

The standard model illustrated here is the most common with a soft starter, 30 Hour manual set auto stop irrigation timer, loss of pressure protection and auto restart after power fail.

Simply turn the 30 hour irrigation timer to the desired operating time and turn the Manual Off Auto selector to the Auto position.

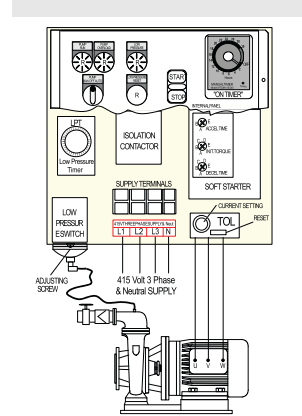
At the end of the pre-set time, or if the pressure falls during the irrigation time the pump will stop, and not restart until manually reset.

The standard model has an adjustable time delay during starting which will automatically by-pass the pressure switch to enable auto restarting in controlled load areas to restart the pump after power interruptions. With this method the pre set irrigation run will be completed regardless of the number of times the power is interrupted during non irrigation periods

If auto restart is not desirable and the operator wants to be at the pump every time it is started then a model can be supplied with push buttons as in the basic Star Delta base models.

The soft starter has an inbuilt by-pass contactor to prevent overheating and for safety the circuit has an isolation contactor.

Mount the starter, connect the supply, connect the pressure tube to the discharge line and connect the pump motor.



Many additional features can be added to achieve a system to suit particular installations. For example:

- ◆ Radio control
- ◆ High wind shutdown
- ◆ High Pressure protection with time delay
- ◆ Start delay to prevent starting in poor power conditions
- ◆ Ammeter with CT
- ◆ Hours Run Meter
- ◆ Council CT metering section
- ◆ No flow circuit with time delay
- ◆ Low vacuum switch with time delay
- ◆ Thermistor over temperature protection
- ◆ Low Level Protection and relay

30 Kw Soft Starter Irrigation Starter with 30 hour manual set, auto stop irrigation timer and loss of pressure protection with by-pass timer. Set 30 Hour timer to the operating time and turn selector switch to Auto. The soft starter will limit the inrush current to ensure a smooth start.

IS Soft Starter Suggested Standard

MODEL	KW	PRICE	Overload	REMARKS
IS-8SS	7.5		12 - 18	The standard IS-SS(Irrigation Soft Starter) incorporates an adequately sized Soft Start motor starter, By-pass contactor, Thermal overload protection, low pressure shutdown and timer, 30 hour manual set/auto stop irrigation timer and Manual-Off-Auto selector.
IS-11SS	11		16 - 22	
IS-15SS	15		22 - 30	
IS-19SS	18.5		32 - 40	
IS-22SS	22		34 - 50	
IS-30SS	30		43 - 65	The soft starter can control the starting current and be adjusted between 300 to 600% times the FLC
IS-37SS	37		54 - 80	
IS-45SS	45		65 - 100	A model with start/stop buttons as in basic Star/Delta models can be supplied if auto restart is not desirable.
IS-55SS	55		65 - 100	
IS-75SS	75		100 -150	An Ammeter or Hours Run Meter are recommended features which can be easily added to the standard product range.
IS-90SS	90		140 -220	
IS-110SS	110		140-220	

Options

CODE	PRICE	OPTION
ACT		Ammeter CT operated
HRM		Hours Run Meter
NFD		No Flow circuit with time delay
BLC		Probe relay suit 1 or 2 probes
TCU		Thermistor overtemperature relay
LLR		Low Level protection circuit with relay
TX		24 Volt Extra Low Voltage control
DTC		Digital time control in lieu of standard
MTC		30 Hour count down timer
SDT		Start delay timer (Standard, 37 kW & above)
HPTD		High pressure protection with time delay
LPTD		Low pressure protection with time delay
PFR		Phase failure relay and time delay
SMS		SMSText Start/Stop and fault indication via SMS



KENRAHAN IRRIGATION SOFT STARTERS

FPS-PS-SS Franklin Soft Starters

Kenrahan Soft Starters have been developed for the rural area and are robust and rated to suit harsh conditions. They are completely weatherproof and pre-wired to save installation time. The standard model has a No flow timer for no flow protection and a remote start input that can be used for a level switch or telemetry start/stop.

General information

The standard model illustrated here is the most common with a soft starter with No Flow protection and auto restart after power fail.

The standard model has an adjustable time delay during starting which will automatically by-pass the flow switch to enable auto restarting in controlled load areas to restart the pump after power interruptions.

If auto restart is not desirable and the operator wants to be at the pump every time it is started then a model can be supplied with push buttons as in the base models.

The soft starter has an inbuilt by-pass contactor to prevent overheating and for safety the circuit has an isolation contactor.

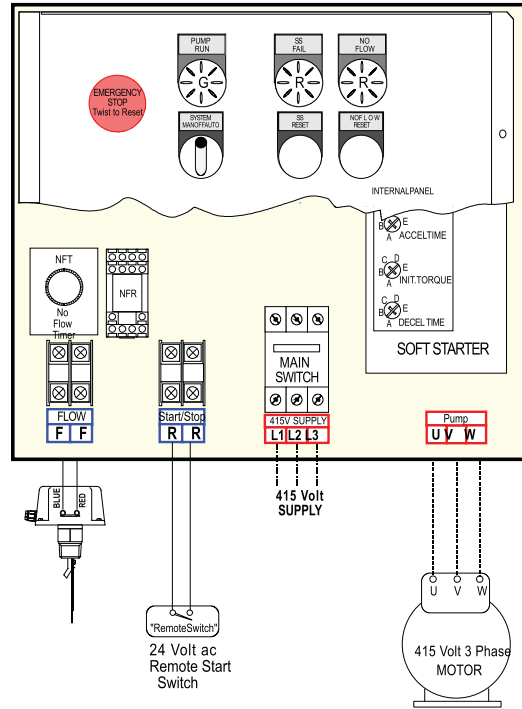
Mount the starter, connect the supply, connect the flow switch to the 24V ac terminals and connect the pump motor.

The soft starter has a remote start/stop input terminal if the pump is to be started via remote telemetry or a external control device is required.

Many additional features can be added to achieve a system to suit particular installations. For example:

- ◆ Radio control or SMS
- ◆ High Pressure protection with time delay
- ◆ Start delay to prevent starting in poor power conditions
- ◆ Ammeter with CT
- ◆ Hours Run Meter
- ◆ No flow circuit with time delay
- ◆ Low vacuum switch with time delay
- ◆ Thermistor over temperature protection
- ◆ Low Level Protection and relay

FPS-30SS



Soft Starter (SS) starter with thermal overload protection housed in dead front weather proof enclosure.

Man-Off-Auto selector and Overload /Run indicators.

Standard with no flow protection with inbuilt by pass timer

CP Soft Starter Suggested Standard

MODEL	kW	PRICE	Max Amps	REMARKS
FPS-8SS	7.5		18	The standard CP-SS incorporates an adequately sized Soft Start motor starter, By-pass contactor, Thermal overload protection, No Flow shutdown and a Manual-Off-Auto selector.
FPS-11SS	11		22	
FPS-15SS	15		34	
FPS-19SS	18.5		38	
FPS-22SS	22		45	
FPS-30SS	30		64	
FPS-37SS	37		75	The soft starter can control the starting current and be adjusted between 300 to 600% times the FLC
FPS-45SS	45		85	
FPS-55SS	55		125	An Ammeter or Hours Run Meter are recommended features which can be easily added to the standard product range.
FPS-75SS	75		140	
FPS-90SS	90		210	
FPS-110SS	110		240	

Options

CODE	PRICE	OPTION
ACT		Ammeter CT operated
HRM		Hours Run Meter
NFD		No Flow circuit with time delay
BLC		Probe relay suit 1 or 2 probes
TCU		Thermistor overtemperature relay
LLR		Low Level protection circuit with relay
TX		24 Volt Extra Low Voltage control
DTC		Digital time control in lieu of standard
MTC		30 Hour count down timer
SDT		Start delay timer (Standard, 37 kW & above)
HPTD		High pressure protection with time delay
LPTD		Low pressure protection with time delay
PFR		Phase failure relay and time delay
SMS		SMS Text Start/Stop and fault indication via SMS



KENRAHAN PIVOT STARTERS

FPS-PS-SS Centre Pivot Starters

Code: CP

The Centre Pivot Starter has been developed over many years to be compatible with many styles of centre pivot or lateral move irrigators. They are completely weatherproof and pre-wired to save installation time. The standard model has a 24 Volt ac extra low voltage circuit to link the pivot to the pump. If the pivot gets out of line or stops, the pump will stop. If the pump stops, the pivot will stop.

General information

CPS-30SS58

The base model illustrated here is the most common with a soft starter and 24 Volt ac pivot link circuit. However Auto Transformer, Star Delta and Variable Speed are options.

The extra low voltage circuit can be more complicated, with auto pivot start, or start & stop the system from either position.

However the most common is a two wire system between the pump starter and the pivot. Usually this provides the pump to be started from the pump starter panel and allows an adjustable time period for the pivot to start and signal back it is "OK" to keep operating.

If the pivot has auto start via pressure rise, the system can be started from the pump without the need to go to the pivot site. Also the pump could be started by starting the pivot first and sending the pivot "OK" signal to the pump.

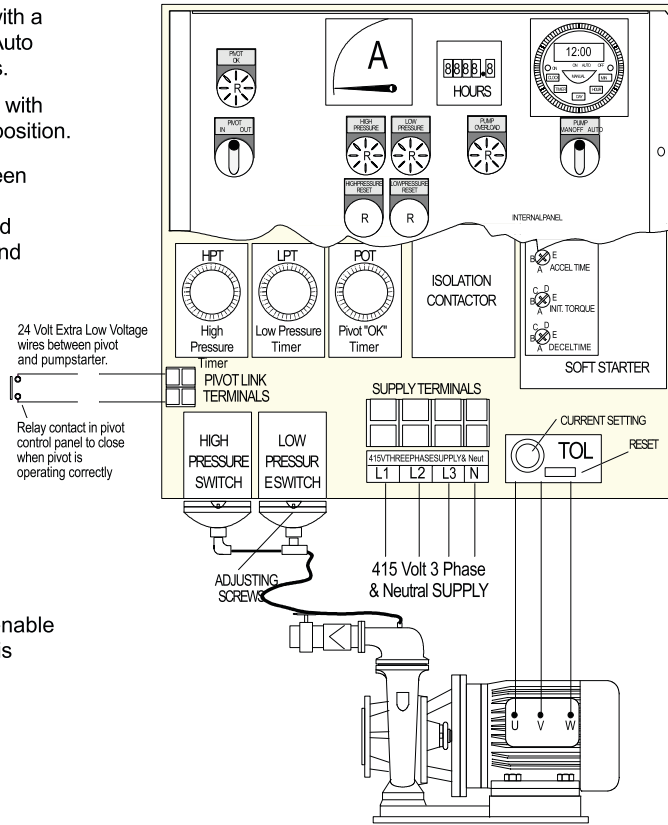
If the pivot does not have auto start, a signal is sent from the pump starter to the pivot for auto start or to open a solenoid controlled valve.

The system will also accept signals from diesel driven pivots or generator supplies.

The standard starter also has a pivot IN/OUT switch to enable the pump to be used with or without the pivot link. This allows the pump to be used with other style irrigators

Many additional features can added to achieve a system to suit particular installations. For example:

- ◆ Radio control
- ◆ High wind shutdown
- ◆ Pivot 1/Pivot 2 selector switch
- ◆ Circuit breaker for pivot supply to originate from pump panel
- ◆ Circuit breaker for shed lighting supply
- ◆ Circuit breaker for shed power supply
- ◆ Main Isolator
- ◆ No flow circuit with time delay
- ◆ Low vacuum switch with time delay
- ◆ Thermistor over temperature protection
- ◆ Low Level Protection and relay



CPS Soft Starter suggested Standard

MODEL	kW	FLC	PRICE	Overload
CPS-8SS40	7.5	14 - 19		12 - 18
CPS-11SS46	11	19 - 26		18 - 26
CPS-15SS49	15	26 - 31		24 - 34
CPS-19SS52	18.5	32 - 40		30 - 40
CPS-22SS55	22	39 - 45		34 - 50
CPS-30SS58	30	52 - 58		43 - 65
CPS-37SS61	37	65 - 70		54 - 80
CPS-45SS64	45	78 - 87		65 - 100
CPS-55SS64	55	95 - 105		65 - 100
CPS-75SS73	75	125 - 140		100 - 150
CPS-90SS79	90	153 - 169		140 - 220
CPS-110SS79	110	182 - 206		140-220

CPS Variable speed drive Standard

MODEL	kW	FLC	PRICE
CPS-8VSD40	7.5	16A	POA
CPS-11VSD46	11	23A	POA
CPS-15VSD49	15	31A	POA
CPS-19VSD52	18.5	38A	POA
CPS-22VSD55	22	46A	POA
CPS-30VSD58	30	62A	POA
CPS-37VSD61	37	72A	POA
CPS-45VSD64	45	87A	POA
CPS-55VSD64	55	105A	POA
CPS-75VSD73	75	140A	POA
CPS-90VSD79	90	170A	POA
CPS-110VSD79	110	205A	POA

Options

CODE	PRICE	OPTION
ACT		Ammeter CT operated
HRM		Hours Run Meter
NFD		No Flow circuit with time delay
BLC		Probe relay suit 1 or 2 probes
TCU		Thermistor overtemperature relay
LLR		Low Level protection circuit with relay
TX		24 Volt Extra Low Voltage control
DTC		Digital time control in lieu of standard
MTC		30 Hour count down timer
SDT		Start delay timer (Standard, 37 kW & above)
HPTD		High pressure protection with time delay
LPTD		Low pressure protection with time delay
PFR		Phase failure relay and time delay
SMS		SMS Text Start/Stop and fault indication via SMS



KENRAHAN LEVEL CONTROL STARTER

Level Control Panels



Standard Models Economy 240V DOL STARTER ONLY IP65 Polycarbonate enclosure

LCP standard Suit 2 wire 240 volt motors

MODEL	ORDER No	kW	PRICE	Overload	REMARKS
LCP-EB-2D	313000346	0.37-2.2		N/A	Direct On line (DOL) starter housed in Polycarbonate dead front weather proof enclosure. Suitable for one or two probe systems up to 2.2kW

Standard Models 240V DOL STARTER ONLY IP65 Polycarbonate enclosure

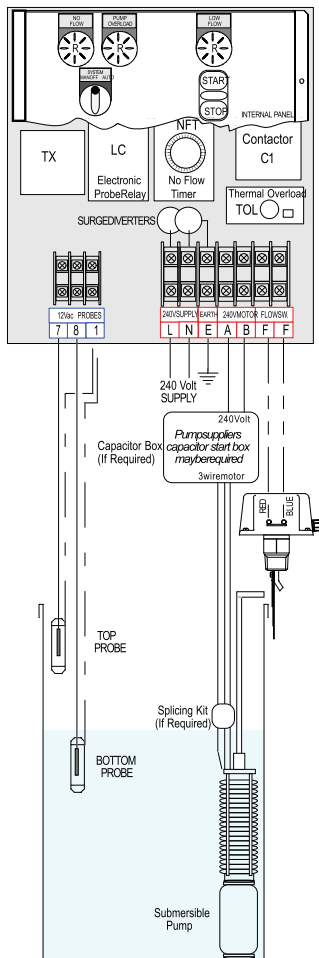
LCP standard Suit 2 wire 240 volt motors

MODEL	ORDER No	kW	PRICE	Overload	REMARKS
LCP-2D	313000300	0.37		5.5 - 7.5	Direct On line (DOL) starter with thermal overload housed in Polycarbonate dead front weather proof enclosure.
LCP-2D	313000301	0.55		7.2 - 10	
LCP-2D	313000302	0.75		5.5 - 7.5	Suitable for one or two probe systems
LCP-2D	313000303	1.1		7.2 - 10	24V AC level ,pressure or F29 Flow switch terminals
LCP-2D	313000340	1.5		11.3- 16	
LCP-2D	313000341	2.2		15 - 20	Low bore indication with reset button Indication
LCP-2D	313000342	3.7		17 - 21.5	Overload Indication

Standard Models 240V DOL STARTER ONLY IP56 Polycarbonate enclosure Capacitors fitted

LCP standard Suit 3 wire capacitor start motors

MODEL	ORDER No	kW	PRICE	REMARKS
LCP-C-2D	313000312	0.75		Direct On line (DOL) starter with thermal overload housed in Polycarbonate dead front weather proof enclosure.
LCP-C-2D	313000313	1.1		
LCP-C-2D	313000314	1.5		Suitable for one or two probe systems
LCP-C-2D	313000315	2.2		24V ac level ,pressure or F29 Flow switch terminals
LCP-C-2D	313000316	3.7		
				Overload Indication
				Low bore indication with reset button Indication



Standard Models 415V DOL STARTER ONLY IP56 Polycarbonate enclosure

LCP standard

MODEL	ORDER No	kW	PRICE	Overload	REMARKS
LCP-6D	313000304	0.75		2.2 - 3.2	Direct On line (DOL) starter with thermal overload housed in Polycarbonate dead front weather proof enclosure.
LCP-6D	313000305	1.1		2.9 - 4.0	
LCP-6D	313000306	1.5		3.5 - 4.8	Suitable for one or two probe systems
LCP-6D	313000307	2.2		5.5 - 7.5	24V ac level ,pressure or F29 Flow switch terminals
LCP-6D	313000308	3.0		7.2 - 10	
LCP-6D	313000309	4.0		9.0 - 12.5	Overload Indication
LCP-6D	313000310	5.5		11 - 16	Low bore indication with reset button Indication
LCP-6D	313000311	7.5		15 - 20	

Only Options marked "*" are available on Steel models only.

CODE	PRICE	OPTION
HRM	*	Hours Run Meter
LLR	*	Start on level fall, Stop on level rise for tank filling.
DTC	*	Start on time, stop on time on particular days with reserve.
ME	*	Metal enclosure with internal door.



KENRAHAN TANK FILING STARTERS

Kenrahan Tank Filling Starter

Tank Filling Starters >ll distant tanks by starting at various time signals and stopping when the float valves in the tank or tanks rise creating a low flow or high pressure condition. The standard TFS is housed in a polycarbonate weather proof enclosure with external pressure or flow switches being used. Steel versions with internal doors and inbuilt pressure switches are also available.



Standard Models 240V DOL STARTER ONLY IP65 Polycarbonate enclosure

FTS standard Suit 2 wire 240 volt motors

MODEL	ORDER No	kW	PRICE	Overload	REMARKS
FTS-FRD-2D	313000317	0.37		3.5 - 4.8	Direct On line (DOL) starter with thermal overload housed in Polycarbonate dead front weather proof enclosure.
FTS-FRD-2D	313000318	0.55		4.5 - 6.3	
FTS-FRD-2D	313000319	0.75		5.5 - 7.5	Time clock, Man-Off-Auto selector, Overload, Low pressure & High pressure 24v control.
FTS-FRD-2D	313000320	1.1		7.2 - 10	
FTS-FRD-2D	313000343	1.5		11.3 - 16	Standard base model with pressure switch to stop when tank >lls and a pressure switch for broken pipes or loss of pressure protection.
FTS-FRD-2D	313000344	2.2		15 - 20	
FTS-FRD-2D	313000345	3.7		17 - 21.5	Time delay by-passes the pressure switches during starting Add options to this base model to suit your needs.

Note: Pressure switches not included on polycarbonate models see options below

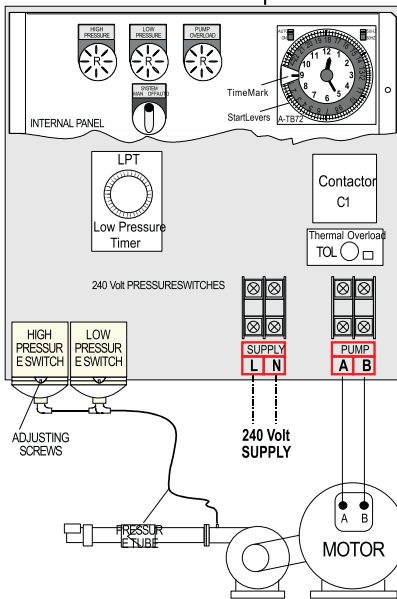
Standard Models 415V DOL STARTER ONLY IP56 Polycarbonate enclosure

FTS standard

MODEL	ORDER No	kW	PRICE	Overload	REMARKS
FTS-FRD-6D	313000321	0.75		2.2 - 3.2	Direct On line (DOL) starter with thermal overload housed in Polycarbonate dead front weather proof enclosure.
FTS-FRD-6D	313000322	1.1		2.9 - 4.0	
FTS-FRD-6D	313000323	1.5		3.5 - 4.8	Time clock, Man-Off-Auto selector, Overload, Low pressure & High pressure 24v control.
FTS-FRD-6D	313000324	2.2		5.5 - 7.5	
FTS-FRD-6D	313000325	3.0		7.2 - 10	Standard base model with pressure switch to stop when tank >lls and a pressure switch for broken pipes or loss of pressure protection.
FTS-FRD-6D	313000326	4.0		9.0 - 12.5	
FTS-FRD-6D	313000327	5.5		11 - 16	Time delay by-passes the pressure switches during starting Add options to this base model to suit your needs.
FTS-FRD-6D	313000328	7.5		15 - 20	

Note: Pressure switches not included on polycarbonate models see options below

"Metal Enclosure Option"



Standard Models DOL STARTER ONLY IP56 Polycarbonate enclosure CAPACITORS FITTED

FTS standard Suit 3 wire capacitor start motors

MODEL	ORDER No	kW	PRICE	REMARKS
FTS-FRDC	313000329	0.75		Direct On line (DOL) starter with thermal overload housed in Polycarbonate dead front weather proof enclosure.
FTS-FRDC	313000330	1.1		
FTS-FRDC	313000331	1.5		Time clock, Man-Off-Auto selector, Overload, Low pressure & High pressure 24v control.
FTS-FRDC	313000332	2.2		
FTS-FRDC*	313000333	3.7		Standard base model with pressure switch to stop when tank >lls and a pressure switch for broken pipes or loss of pressure protection.

Note: Pressure switches not included on polycarbonate models see options below

CAPACITORS FITTED

Only Options marked "*" are available on Steel models only.

CODE	PRICE	OPTION
HRM	*	Hours Run Meter
LLR		Stop on level fall, resart on level rise for suction tank.
BLC		Low level probe circuit to stop pump on level fall
RP		Resart on level rise in the bore, for low yield bores
DTC	*	Start on time, stop on time on particular days with reserve.
ME	*	Metal enclosure with internal door and inbuilt pressure switches.
PS		XMPA Pressure switch to suit polycarbonate enclosure model .



CONSTANT PRESSURE CONTROLLERS

Controllers



PresFlo: Pump Pressure Controller

- Run dry / Excessive cycling protection - Auto reset
- Preset start pressure controllers, with gauge - Male 25mm barrel unions included
- Includes Plug and Play leads
- 2 year warranty

Product Code: DGPC		
Model		
PF1615P	2.2 kW, 1.5 bar start pressure, 16 Amps	
PF1622P	2.2 kW, 2.2 bar start pressure, 16 Amps	



PresFlo Multi: Adjustable Pressure Controller

- Programmable start pressure (adjustable from 1 to 5 Bar) and max. current
- Multi function pump controller with 2L pressure tank
- Male 25mm barrel unions included
- Includes Plug and Play leads
- 2 year warranty

Product Code: DGPC		
Model		
PFM16	2.2 kW maximum 16 Amps	



SteadyPres: Variable Speed Drive - Single Phase

- Variable speed constant pressure controller works in conjunction with a pressure tank (sold separately)
- LCD Display
- Programmable set and start pressures
- Over temperature protection
- Run dry / Excessive cycling protection
- Single-phase input / single-phase output - Three-phase available on request
- Unions are included with controller
- 2 year warranty

Product Code: DGPC		
Model		
ST M/M 11DE	1.5 kW and below, 11 Amps maximum	
ST M/M 13DE	2.2 kW , 13 Amps maximum	
E Card	Communication with other controllers	



Preset: Electronic Pressure Switch

- LCD Display
- Programmable start / stop pressures 1-9 bar
- Electronic pressure switch works in conjunction with a pressure tank (sold separately)
- Male 25mm barrel unions included
- 2 year warranty

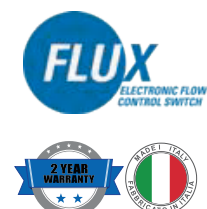
Product Code: DGPC		
Model		
PS16	2.2 kW maximum 16 Amps	



Flux: Electronic Flow Switch

- Electronic flow switch
- Start / Stop pump at 1-2 Litres/min - Male 25mm barrel unions included - 2 year warranty

Product Code: DGPC		
Model		
FL16	2.2 kW maximum 16 Amps	



Barrel Union	Male 25mm Barrel Union P/No: DGSP 00108300A	
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CONSTANT PRESSURE CONTROLLERS



MP Plus Controller

- Compact and functional device -
- Auto reset after dry run
- AS/NZS 4020 approved and RCM Certified
- Includes Plug & Play leads
- Available in 240 volt, 50Hz, single-phase -
- 2 year warranty



Product Code: ADPC		
Model		
MP Plus 1.5 bar		P/No: MPPLUS-01A15-20



PENTAIR PUMP CONTROLS



ONGA PRESS CONTROL ONLY

	PART NUMBER	LIST PRICE	MPG	WARRANTY
ONGA@PRESSURE KIT 20-40 PSI BRASS, PRE-WIRED	800633-1*		Z2	2YR
ONGA@PRESSURE KIT 30-50 PSI BRASS, PRE-WIRED	800634-1*		Z2	2YR

**Use to depletion.*

ONGA@PRESSURE SWITCH KIT 20-40 PSI STAINLESS STEEL, PRE-WIRED	900633		Z2	2YR
ONGA@PRESSURE SWITCH KIT 30-50 PSI STAINLESS STEEL, PRE-WIRED	900634		Z2	2YR

ONGA@PRESS CONTROL & IEC KIT (INCL UNION) 1.5 Bar	880800		Z2	1YR
ONGA@PRESS CONTROL & IEC KIT (INCL UNION) 2.2 Bar	880801		Z2	1YR
SOUTHERN CROSS@PRESS CONTROL 1.5 Bar	XPC001A		Z2	1YR
SOUTHERN CROSS PRESS CONTROL 2.2 Bar	XPC001C		Z2	1YR
MC1500 MASCONTROL 10AMP IEC	130003		Z2	2YR
ADAPTOR UNION PC11EXTENSION	800664		40	1YR
WALL BRACKET KIT - ONGA@PRESS CONTROL 1.5 Bar	801447		Z2	1YR

ONGA@PRESSURE GAUGE 0-800kPa (Gylc)	700240		40	2YR
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PRESSURE SWITCH SQUARE D 30-50	700244		40	2YR
PRESSURE SWITCH (20-80 psi)	700246		40	2YR
PRESSURE SWITCH LOP (20-80 psi)	702363		40	2YR



HYDROVAR CONTROLLERS



HYDROVAR®

Variable Speed Drives

- IP55 Rated
- Price includes 10 bar pressure transducer (standard) and motor cable
- 16, 25 and 40 bar transducers available on request
- 2 year warranty on Hydrovar and accessories

HYDROVAR®



Generation 5

Product Code: HVAR		
Model	kW	240 V 1 Phase 50Hz
HVL2.015	1.50	
HVL2.022	2.20	
HVL2.030	3.00	
HVL2.040	4.00	

Product Code: HVAR		
Model	kW	415 V 3 Phase 50Hz
HVL4.015	1.50	
HVL4.022	2.20	
HVL4.030	3.00	
HVL4.040	4.00	
HVL4.055	5.50	
HVL4.075	7.50	
HVL4.110	11.00	
HVL4.150	15.00	
HVL4.185	18.50	
HVL4.220	22.00	



Danfoss Drives

Variable Speed Drives

- Danfoss FC202 Aqua Drives 380-480 VAC - IP55 Rated up to 90.0kW
- IP54 Rated 110.0kW and above
- Wall mounting brackets built in, no additional wall mount kits needed - Pressure transducers are sold separately
- 2 year warranty on Danfoss drives and accessories



Product Code: DANF			
Model	Nominal kW	Amps 110%	415 V 3 Phase 50Hz
DANF-131U2462	0.37	1.3	
DANF-131U3056	0.55	1.8	
DANF-131U3057	0.75	2.4	
DANF-131U3058	1.10	3	
DANF-131U3059	1.50	4.1	
DANF-131U3060	2.20	5.6	
DANF-131U3061	3.00	7.2	
DANF-131U3062	4.00	10	
DANF-131F1411	5.50	13	
DANF-131F1414	7.50	16	
DANF-131F1415	11.00	24	
DANF-131F1420	15.00	32	
DANF-131F1582	18.50	37.5	
DANF-131F1583	22.00	44	
DANF-131F1584	30.00	61	
DANF-131F1585	37.00	73	
DANF-131F1586	45.00	90	
DANF-131F1587	55.00	106	
DANF-131F1588	75.00	147	
DANF-131F1646	90.00	177	

**Note pressure transducers are sold separately*

Product Code: DANF			
Model	Nominal kW	Amps 110%	415 V 3 Phase 50Hz
DANF-134F9720	110.00	212	
DANF-134F9721	132.00	260	
DANF-134F9722	160.00	315	
DANF-134F9723	200.00	395	
DANF-134F9724	250.00	480	
DANF-134F9725	315.00	588	

**Note pressure transducers are sold separately*



PRESSURE TRANSDUCER - ACCESSORIES & LEADS

Pressure Transducers - Accessories

Transducers & Leads

Pressure transducers including cable, 4-20mA



Product Code: HVAR	
Part No	Description
KIT TRANSDUCER 0-10	0-10 bar Type Pressure Transducer
KIT TRANSDUCER 0-16	0-16 bar Type Pressure Transducer
KIT TRANSDUCER 0-25	0-25 bar Type Pressure Transducer
KIT TRANSDUCER 0-40	0-40 bar Type Pressure Transducer
VK709591900	5 Metre Transducer Lead & Plug
VK709591620	10 Metre Transducer Lead & Plug
VK709591690	20 Metre Transducer Lead & Plug

Hydrovar Accessories

Product Code: HVAR	
Part No	Description
VK26-109730080	Premium Card GEN5
Hydrovar wall mounting kits and line filters are available on request	

Danfoss LCP Accessories

For remote mounting of FC202 keypad and display

Product Code: DANF	
Part No	Description
DANFLCP MOUNTKIT LCP102 3M	LCP Mounting Kit w/ graphical LCP102, 3m
DANFLCP MOUNTKIT NOLCP	LCP Mounting Kit, w/ no LCP
DANFLCP MOUNTKIT COVER 8M	LCP Mounting Kit Blind Cover IP55/66, 8m
DANFLCP MOUNTKIT 3M	LCP Mounting Kit, 3m

Danfoss Communication Options

Product Code: DANF	
Part No	Description
DANFVLT PROFIBUS	VLT® Profibus DP V1 MCA 101, coated
DANFVLT PROFINET	VLT® PROFINET MCA 120, coated FC-202 / IPC102 / ITT102
DANFVLT DEVICENET	VLT® DeviceNet MCA 104, coated FC-202 / IPC102 / ITT102
DANFVLT ETHERNET	VLT® EtherNet IP MCA 121, coated FC-202 / IPC102 / ITT102
DANFVLT MODBUS	VLT® Modbus TCP MCA 122, coated

Danfoss I/O Options

Product Code: DANF	
Part No	Description
DANFVLT GPI/O MCB	VLT® General Purpose I/O MCB 101, coated
DANFVLT RORelay Option	VLT® Relay Option MCB 105, coated
DANFVLT AIO Option MCB	VLT® Analog I/O Option MCB 109, coated
DANFVLT PTCOPTC Thermistor Card	VLT® PTC Thermistor Card MCB 112, coated
DANFVLT SOSensor Input Card	VLT® Sensor Input Card MCB 114, coated
DANFVLT ABOpt. Adapter MCF	VLT® A/B in C Opt. Adapter MCF106, coated

Pump Accessories

Pressure Switches
Pressure Tanks
Constant Pressure Control Units
Pump Protection Equipment
Level Control Switches
Float Switches
Flow Switches

Bore Pump Accessories
Level Probes
Pressure Gauges
Kelco Controls
Capacitors
Pump Buckets





PRESSURE TANKS / VESSELS

Tanks / Pressure Vessels

Pressure Wave / Max & Ultra Max Series

- PWL tanks have a BUTYL diaphragm and polypropylene liner
- V denotes vertical tank base-mounted, H denotes horizontal tank base-mounted
- Maximum operating temperature 90°C
- 5 year warranty



Product Code: GWPT				
Model	Connection Size	Bar Rated	Tank Size Litres	
Pressure Wave Series - rated 10 bar				
PWL 2	25mm Male	10 Bar	2	
PWL 8	25mm Male	10 Bar	8	
PWL 18	25mm Male	10 Bar	18	
PWL 20H	25mm Male	10 Bar	20	
PWL 35	25mm Male	10 Bar	35	
PWB 60V-10	25mm Female	10 Bar	60	*
PWB 80V-10	25mm Female	10 Bar	80	*
PWB 100V-10	25mm Female	10 Bar	100	*
PWB 150V-10	25mm Female	10 Bar	150	*
Max Series - rated 16 bar				
PWL 8-16	25mm Male	16 Bar	8	
PWL 18-16	25mm Male	16 Bar	18	
PWL 24-16	25mm Male	16 Bar	24	
PWL 60V-16	25mm Female	16 Bar	60	*
PWL 80V-16	25mm Female	16 Bar	80	*
Ultra Max Series - rated 25 bar				
PWL 24-25	25mm Male	25 Bar	24	
PWL 100V-25	25mm Female	25 Bar	100	*





PRESSURE TANK SERIES



Challenger Series

- C denotes double-diaphragm base-mounted
- Maximum operating temperature 90°C
- 5 year warranty

Product Code: GWPT				
Model	Connection Size	Bar Rated	Tank Size Litres	
C200	32mm Female	10 Bar	167	*
C240	32mm Female	10 Bar	235	*
C310	32mm Female	10 Bar	307	*
C450	32mm Female	10 Bar	452	*



C2 Lite Composite Series

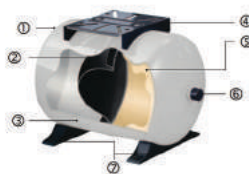
- Light weight composite construction - - Maximum operating temperature 49°C
- 100% BUTYL diaphragm material - 5 year warranty
- Base mounted

Product Code: GWPT				
Model	Connection Size	Bar Rated	Tank Size Litres	
C2B-60	25mm Male	8.6 Bar	60	*
C2B-80	25mm Male	8.6 Bar	80	*
C2B-100	25mm Male	8.6 Bar	100	*
C2B-130	25mm Male	8.6 Bar	130	*
C2B-200	32mm Male	8.6 Bar	200	*
C2B-300	32mm Male	8.6 Bar	300	*
C2B-450	32mm Male	8.6 Bar	450	*

All weather tanks are also available on request.



PRESSURE TANKS



- ① Leak free, o-ring sealed air valve cap
- ② Single diaphragm design
- ③ Two part polyurethane, epoxy primed paint finish
- ④ Nylon Plastic Pump Stand
- ⑤ Virgin polypropylene liner
- ⑥ Patented stainless steel water connection
- ⑦ Plastic Tank Feet



- ① Leak free, o-ring sealed air valve cap
- ② Single diaphragm design
- ③ Two part polyurethane, epoxy primed paint finish
- ④ Virgin polypropylene liner
- ⑤ Patented stainless steel water connection



GWS PRESSUREWAVE™ VERTICAL PRESSURE TANK

Part No	Size	Pressure Port	Orientation	Each
PWB-8LX	8Litre	10 bar	1" BSPM	Vertical
PWB-18LX	18Litre	10 bar	1" BSPM	Vertical
PWB-60LV	60Litre	10 bar	1" BSPM	Vertical
PWB-80LV	80Litre	10 bar	1" BSPM	Vertical
PWB-100LV	100Litre	10 bar	1" BSPM	Vertical

- Stainless Steel connection
- Max Working Pressure 10 bar
- Tank Precharge 1.9 bar/28psi
- FDA approved Butyl Diaphragm
- Max Working Temperature 90 °C
- Various Approvals Incl Watermark
- Quality tested during production

GWS PRESSUREWAVE™ HORIZONTAL PRESSURE TANK

Part No	Size	Pressure Port	Orientation	Each
PWB-35LH	35Litre	10 bar	1" BSPM	Horizontal
PWB-60LH	60Litre	10 bar	1" BSPM	Horizontal

- Stainless Steel connection
- Max Working Pressure 10 bar
- Tank Precharge 1.9 bar/28psi
- FDA approved Butyl Diaphragm
- Max Working Temperature 90 °C
- Various Approvals Incl Watermark
- Quality tested during production

GWS MAX™ & ULTRAMAX™ VERTICAL HIGH PRESSURE TANK

Part No	Size	Pressure Port	Orientation	Each
MXB-8LX	8Litre	16 bar	1" BSPM	Vertical
MXB-18LX	18Litre	16 bar	1" BSPM	Vertical
UMB-8LX	8Litre	25 bar	1" BSPM	Vertical
UMB-24LX	24Litre	25 bar	1" BSPM	Vertical

- Stainless Steel connection
- Max Working Pressure 16/25 bar
- Precharge 4 bar/58psi
- FDA approved Butyl Diaphragm
- Max Working Temperature 90 °C
- Various Approvals Incl Watermark
- Quality tested during production

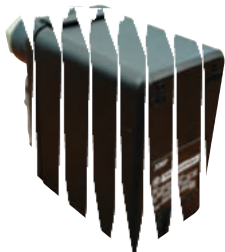




FRANKLIN PRESSURE SWITCHES / TRANSDUCERS

Accessories – to suit MH pumps

Code: MHACC



Description	ORDER No.	Price
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Pressure Switch

Telemecanique XMPA12C2142 Pressure Switch – 1/4" BSP thread	305 701 233	
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Telemecanique XMPA12C2142 Pressure Switch, supplied fitted with 2 x IP67 male and female plug leads to suit FE MH series pumps – 1/4" BSP thread	305 701 254	
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PRESSURE TRANSDUCER

Part No	Size	Each
XMLK-06	6 Bar	
XMLK-10	10 Bar	
XMLK-16	16 Bar	
XMLK-25	25 Bar	

- Genuine Telemecanique
- Output Signal: Analogue 4-20mA
- ¼ BSPM Connection
- Maximum Temperature 80° C



Part No	Size	Each
XMLK-CON	DIN43650-A Connector	



SQUARE D - PRESSURE SWITCHES

Qty of 10

SQD-FSG2

- Pressure range: 20-65 psi
- Factory setting: 20-40 psi
- Mount 1/4" BSPF
- Plastic Base

SQUARE D PRESSURE SWITCH

Part No **Each** **Qty of 10**

SQD-STD

- Pressure range: 20-65 psi
- Factory setting: 20-40 psi
- Mount 1/4" BSPF

SQUARE D HIGH PRESSURE SWITCH

Part No **Each** **Qty of 10**

SQD-HP

- Pressure range: 25-80 psi
- Factory setting: 30-50 psi
- Mount 1/4" BSPF

SQUARE D HIGH PRESSURE SWITCH

Part No **Each**

SQD-FYG32

- Pressure range: 80-150 psi
- Factory setting: 115-150 psi
- Mount 1/4" BSPF
- Plastic Base

SQUARE D HIGH PRESSURE SWITCH FIXED DIFFERENTIAL

Part No **Each**

SQD-FHG

- Pressure range: 43-110 psi
- Factory setting: 83-100 psi
- Fixed differential 17 psi
- Mount 1/4" BSPF

SQUARE D LOSS OF PRIME PRESSURE SWITCH

Part No **Each** **Qty of 10**

SQD-LOP

- Pressure range: 20-65 psi
- Factory setting: 20-40 psi
- With low pressure cut out lever
- Mount 1/4" BSPF

SQUARE D LOSS OF PRIME PRESSURE SWITCH

Part No **Each** **Qty of 10**

SQD-HPLOP

- Pressure range: 25-80 psi
- Factory setting: 30-50 psi
- With low pressure cut out lever
- Mount 1/4" BSPF

SQUARE D REVERSE ACTION PRESSURE SWITCH

Part No **Each**

SQD-RA

- Pressure range: 23-65 psi
- Factory setting: 40-20 psi
- Mount 1/4" BSPF





SQUARE D - TELEMECANIQUE PRESSURE SWITCHES



SQUARE D REVERSE ACTION LOSS OF PRIME PRESSURE SWITCH

Part No **Each**

SQD-RAL

- Pressure range: 23-65 psi
- Factory setting: 40-20 psi
- With manual cut in lever
- Mount 1/4" BSPF



SQUARE D HEAVY DUTY PRESSURE SWITCH

Part No **Each**

SQD-GHG

- Pressure range: 60-200 psi
- Factory setting: 80-100 psi
- Mount 1/4" BSPF
- Heavy duty construction



SQUARE D HEAVY DUTY REVERSE ACTION PRESSURE SWITCH

Part No **Each**

SQD-GHG-RA

- Pressure range: 200-60 psi
- Factory setting: off 80- on 100 psi
- Mount 1/4" BSPF
- Heavy duty construction



TELEMECANIQUE PRESSURE SWITCH

Part No **Each**

XMP-06

- Genuine Telemecanique
- Pressure range: 15-87psi
- Mount 1/4" BSPF
- Factory setting: High point - 4.8 BAR +/- 0.24 Low point - 2.8 BAR +/- 0.28



TELEMECANIQUE PRESSURE SWITCH

Part No **Each** **Qty of 10**

XMP-12

- Genuine Telemecanique
- Pressure range: 18-174 psi
- Mount 1/4" BSPF
- IP 54
- Factory setting: High point - 8 BAR +/- 0.50 Low point - 5 BAR +/- 0.50



TELEMECANIQUE PRESSURE SWITCH

Part No **Each**

XMA-12

- Pressure range: 18-174 psi
- Mount 1/4" BSPF
- IP54
- Clear case, setting display
- Factory setting: High point - 8 BAR +/- 0.50 Low point - 2 BAR +/- 0.50
- Fine adjustment



TELEMECANIQUE PRESSURE SWITCH

Part No **Each**

XMP-12-3PH

- Genuine Telemecanique
- Pressure range: 18-174 psi
- Suitable for 415V
- Mount 1/4" BSPF
- Factory setting: High point - 8 BAR +/- 0.50 Low point - 5 BAR +/- 0.50



TELEMECANIQUE - CONDOR - PRESSURE SWITCHES

TELEMECANIQUE PRESSURE SWITCH

Part No **Each**

XMPD-12-3PH

- Pressure range: 18-174 psi
- Suitable air compressor
- Inbuilt relief
- Push fit relief connection
- 1/4" ports
- 3 Phase/3 Pole



TELEMECANIQUE PRESSURE SWITCH

Part No **Each**

XMP-25

- Genuine Telemecanique
- Pressure range: 50-362 psi
- Mount 1/4" BSPF
- Factory setting:
High point - 16 BAR +/- 0.80
Low point - 10 BAR +/- 1.0



CONTROL PRESSURE SWITCH

Part No **Each**

PS1-A6R

- Pressure range: 60-175 psi
- IP44
- Mount: 1/4" BSPM
- -50 to 70°C
- Visual pressure setting
- Easy fine adjustment
- Adjustable differential down to 8psi
- Robust plastic case



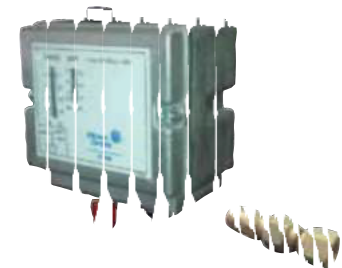
CONTROL PRESSURE SWITCH

Part No **Each**

P77-9300

P77-BSPM Connector

- Pressure range: 7.25-101.5 psi
- IP44
- Mount: 1/4" BSPM
- -50°C to 70°C
- Visual pressure setting
- Easy fine adjustment
- Adjustable differential down to 8psi
- Robust aluminium case



MDR1 CONDOR PRESSURE SWITCHES

Part No **Description** **Each**

MDR1/6B4 170-500 kPa range, adjustable diff, 1/4" conn

MDR1/11S4 600-1000 kPa range, adjustable diff, 1/4" conn, on/off switch



MDR2 CONDOR PRESSURE SWITCHES

Part No **Description** **Each**

MDR2/6B4 140-500 kPa range, adjustable diff, 1/4" conn

MDR2/11S4 800-1000 kPa range, adjustable diff, 1/4" x 4 ports, on/off switch





CONDOR - PRESSURE SWITCHES

MDR3 CONDOR PRESSURE SWITCHES



Part No	Description	Each
MDR3/6S8	130-600 kPa range, adjustable diff., 1/2" conn, on/off switch	
MDR3/11S4	400-1100 kPa range, adjustable diff., 1/4" conn, on/off switch	
MDR3/16S4	600-1600 kPa range, adjustable diff., 1/4" conn, on/off switch	
MDR3/6B8	130-600 kPa range, adjustable diff., 1/2" conn	
MDR3/11B4	400-1100 kPa range, adjustable diff., 1/4" conn	
MDR3/16B4	600-1600 kPa range, adjustable diff., 1/4" conn	
MDR3/25B8	750-2500 kPa range, adjustable diff., 1/2" conn	
MDR3/35B8	1200-3500 kPa range, adjustable diff., 1/2" conn	

MDR3 ACCESSORIES



Part No	Description	Each
H3/230V	Hourmeter & cover for MDR3 - 230V operation	
H3/400V	Hourmeter & cover for MDR3 - 400V operation	
H3/230VS	Hourmeter & cover for MDR3 - 230V operation w. on/off sw.	
H3/400VS	Hourmeter & cover for MDR3 - 400V operation w. on/off sw.	
MDR3/MB	MDR3 mounting bracket	
R3/1.0	Overload relay, 0.63-1.00 Amps	
R3/1.6	Overload relay, 1.00-1.60 Amps	
R3/2.5	Overload relay, 1.60-2.50 Amps	
R3/4.0	Overload relay, 2.50-4.00 Amps	
R3/6.3	Overload relay, 4.00-6.30 Amps	
R3/10.0	Overload relay, 6.30-10.00 Amps	
R3/16.0	Overload relay, 10.00-16.00 Amps	
R3/20.0	Overload relay, 16.00-20.00 Amps	
R3/24.00	Overload relay, 20.00-24.00 Amps	
R3/30/2	2 pole relay, 24.00-30.00 Amps	
CG11-3	Cable gland complete	
CG13.5-3	Cable gland complete	
CG16-3	Cable gland complete	
EV-3I	Unloader valve suit 1/4" Plastic/copper line	



MDR4 CONDOR PRESSURE SWITCHES



Part No	Description	Each
MDR4/6S4	150-600 kPa range, on/off switch, 1/4" conn.	
MDR4/11S4	400-1100 kPa range, on/off switch, 1/4" conn.	
MDR4/16S4	600-1600 kPa range, on/off switch, 1/4" conn.	
MDR4/25S4	850-2500 kPa range, on/off switch, 1/4" conn.	
MDR4/6T4	150-600 kPa range, transp. cover & scale, 1/4" conn	
MDR4/11T4	400-1100 kPa range, transp. cover & scale, 1/4" conn	
MDR4/6R8	150-600 kPa range, reverse action 1/4 " conn.	
MDR4/11R8	400-1100 kPa range, reverse action 1/4 " conn.	
MDR4/16R8	600-1600 kPa range, reverse action 1/4 " conn.	

MDR4 ACCESSORIES



Part No	Description	Each
CG11-4	Cable gland complete	
CG13.5-4	Cable gland complete	
CG13.5-4Z	Cable gland with strain relief	
MDR4/43/MB	Mounting bracket	
EV-4I	Unloader valve suit 1/4" Plastic/copper line	



CONDOR - PRESSURE SWITCHES

Part No	Description	Each
MDR5/5S8	150-500 kPa, on/off switch, 1/2" Conn.	
MDR5/8S8	200-800 Kpa, on/off switch, 1/2" Conn.	
MDR5/11S8	200-1100 kPa, on/off switch, 1/2" Conn.	
MDR5/16S8	250-1600 kPa, on/off switch, 1/2"Conn.	
MDR5/45S8	1308-4500 kPa, on/off switch, 1/2" Conn.	



MDR5 ACCESSORIES

Part No	Description	Each
CG16-5	Cable gland complete	
CG16-5R	Red gland with strain relief	
MDR5/MB	Mounting bracket	
R5/1.5	Overload relay	
R5/2.45	Overload relay	
R5/4.2	Overload relay	
R5/7.0	Overload relay	
R5/10.3	Overload relay	
R5/14.0	Overload relay	
R5/18.0	Overload relay	
EV-5EI	Unloader valve suit 1/4" Plastic/copper line	



MDR-F CONDOR PRESSURE SWITCHES

Part No	Description	Each
MDRF/4A6	MDR-F 4HV-S 22-400 kPa range, Alum. Base, viton diaph, adjustable diff, 3/8" conn	
MDRF/8A6	MDR-F 8H P/Switch, 20-800 kPa, alum. base, buna diaph., 3/8"	
MDRF/8P6	MDR-F 8Y P/Switch, 20-800 kPa, poly base, buna diaph., 3/8"	
MDRF/10P6	MDR-F 10YS 70-1000 kPa range, poly base, buna diaph, adjustable diff, 3/8" conn	
MDRF/12SS4	MDR-F 12HE P/Switch, 50-1200 kPa, stainless base/diaph., 1/4"	



MDR43 CONDOR PRESSURE SWITCHES

Part No	Description	Each
MDR43/3T4	50-308 kPa range, 1/4" conn.	
MDR43/6T4	250-600 kPa range, 1/4" conn.	
MDR43/11T4	500-1100 kPa range, 1/4" conn.	
MDR43/16T4	800-1600 kPa, 1/4" conn.	



MDR43 ACCESSORIES

Part No	Description	Each
CG11-4	Cable gland	
CG13.5-4	Cable gland	
CG13.5-4Z	Cable gland with strain relief	
MDR4/43/MB	Mounting bracket	



KELCO CONTROLS

Flow Switches / Controllers

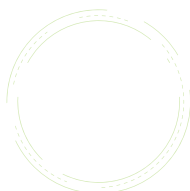
Kelco Flow Switches



- F60 MK2 fully functioned pump controller - - Can be used on single-phase or three-phase pumps provided a 220~240V supply is available
- 15 built in programmable timers
- 1" BSP connection
- 1 year warranty
- A dedicated 12VDC model is also available-POA

Product Code: AKMS		
Flow Switches	Part No	
Kelco Flow Switch UB25R 25mm	AKMS50232	
Kelco Flow Switch F-H-25B	AKMS50204	
Kelco Flow Switch F-H-25B-SS	AKMS50207	
Kelco Flow Switch F29S	AKMS50212	

Product Code: AKMS		
Flow Switches	Part No	
Kelco Pump Controller F60	AKMS50199	
Kelco E30 Digital Pressure Switch	AKMS50245	





KELCO FLOW / LEVEL SWITCHES



Model No.	Description	Order No.	Price
Flow Switches			
C25	Inline Flow Switch C25-B-A-R-BSP, 1"BSPT	226 014 101	
F-H-25B		305 701	
C15-B	Flow Switch C15-B	305 701 349	

Paddle Flow Switches			
Heavy Duty Modular 3/4" BSP corrosion resistant paddle flow switch in Polypropylene			
F20-S	15 Amp 0-500V SPDT All Polypropylene Flow Switch	305 701 146	
F20P	Spare Paddle to suit F20 Flow Switch	305 701 147	



Programmable Flow Switch			
F29 Programmable Flow Switch feature multi voltage operation, 10 programmable built in timers, 40 amp solid state drive, 30 amp primary pump relay, dedicated 16 amp alarm relay, suits 1" and larger piping, IP67 rated. 1" BSP connection. 12 VDC available on request.			
F29-S	220-240/24VAC or DC model, Thermoplastic	305 701 371	
F29-SS	220-240/24VAC or DC model, 316 Stainless	305 701 371 44	



Digital Pressure Switch			
F30 feature a multi voltage operation, displays Pressure and sets points, displays running time, 40 Amp solid state drive, 30 amp primary pump relay, dedicated 16 amp alarm relay, can be wall mounted and IP67 rated. Low volatge 12DC available on request			
E30	Std 220-240VAC or 24VAC or 24VDC operation	305 701 372	



Pump Controller			
The F60 Pump Controller features multi voltage operation, displays pressure and sets points, 11 programmable built in timers, 40 amp solid state drive, 15 amp primary pump relay, dedicated 16 amp alarm relay, suits pipe 1" and larger, IP67 rated. 1"BSP connection. 12VDC available on request			
F60	Std 220-240 VAC and 24AC or 24VDC.	305 701 351	

Level Switch			
D50 Heavy Duty Level Switch. High and Low floatless level control for tanks and pumps. 20 Amp, 500 V S.P.D.T switch. No metal parts in contact with liquids. IP67 enclosure.			
D50	20 Amp Level Switch	305 701 543	



FLOW SWITCHES



KELCO F21 FLOW SWITCH

Part No	Pres	Temp	Each
F21-S-BSP (Poly)	18 Bar	60 °C	\$478.00

- Heavy duty and sensitive
- Up to 500V
- Maximum current 15 Amp
- IP67 Protection rating
- 1" BSPT



KELCO TW FLOW SWITCH

Part No	Pres	Temp	Each
TW21-S-BSP-180 (Poly)	18 Bar	60 °C	

- Heavy duty and sensitive
- Suitable for open flow & slurry applications
- Up to 500V
- Maximum current 15 Amp
- IP67 Protection rating
- 1" BSPT



KELCO F29 FLOW SWITCH

Part No	Pres	Temp	Each
F29-Mk2	18 Bar	60 °C	

- Simple to program
- 10 programmable timers
- 40 Amp solid state switch
- Suits pipes 25mm & larger
- Paddle Type
- Multi voltage operation
- 16 Amp alarm relay
- Accepts remote input
- Weatherproof housing



KELCO F60 DIGITAL PUMP CONTROLLER

Part No	Pres	Temp	Each
F60-Mk2	20 Bar	60 °C	

- Simple to program
- Displays pressure & set points
- 40 Amp solid state switch
- Suits pipes 25mm & larger
- Weatherproof housing
- Multi voltage operation
- 15 programmable timers
- 16 Amp alarm relay
- Accepts remote input
- Paddle



KELCO C25 FLOW SWITCH

Part No	Pres	Temp	Each
C25-R (Brass)	100 Bar	90 °C	

- One piece Brass body
- All position mounting
- 240V
- Maximum current 20 Amp
- IP67 Protection rating
- 1" BSPT
- Solid state relay
- Normally open contacts



FLOW SWITCHES

FLOW SWITCH

Part No

Each

FS-2-BSPT

- Bellow: Tin-bronze
- Vane: Stainless steel
- Body: Forged brass
- Temperature Limit: 230°F (110°C)
- Pressure Limit: 145 psig (10 bar)
- Enclosure Rating: NEMA 4 (IP64)
- Switch Type: SPDT snap switch
- Electrical Rating: 10A res, 3A ind @ 250 VAC



FLOW SWITCH

Part No

Each

H10AR

- European Quality
- 25mm BSP thread
- For use in 25mm to 100mm pipe
- Minimum flow: 20 l/min
- Max pressure: 10 Bar
- Max Temperature: 100°C
- Current: 10 (4) Amps
- Delayed pump start: 0-13 sec

This unit has a relay built-in which allows power to the pump on start up and disengages after a set time which is adjustable from 0-13 seconds. This means the pump will always re-start when the power is turned off then on such as where a pressure switch is wired into the circuit.



FLOW SWITCH

Part No

Each

V10AR

- European Quality
- 25mm BSP thread
- Minimum flow: 5 l/min
- Max pressure: 10 Bar
- Max Temperature: 85°C
- Current: 10 (4) Amps
- Delayed pump start: 0-13 sec

This unit has a relay built-in which allows power to the pump on start up and disengages after a set time which is adjustable from 0-13 seconds. This means the pump will always re-start when the power is turned off then on such as where a pressure switch is wired into the circuit.





FLOAT SWITCHES

Float Switches - Heavy Duty Kelco High Differential



K SERIES

Polypropylene and Hypalon Ultra close differential 3 wire float switches
Ideal for all single point level control, ideal for low and high level alarms

Model No	Description	Order No	Price
K4M	10 amp resistive 0-240V SPDT Float switch with 4 metre Hypalon cable	305 701 385	
K6M	10 amp resistive 0-240V SPDT Float switch with 6 metre Hypalon cable	305 701 386	
K10M	10 amp resistive 0-240V SPDT Float switch with 10 metre Hypalon cable	305 701 387	
K20M	10 amp resistive 0-240V SPDT Float switch with 20 metre Hypalon cable	305 701 389	
K30M	10 amp resistive 0-240V SPDT Float switch with 30 metre Hypalon cable	305 701 390	
K50M	10 amp resistive 0-240V SPDT Float switch with 50 metre Hypalon cable	305 701 391	
KCW	Polpropylene split style cable weight for K float series	305 701 392	
INSTRUMENT TAG	Custom Numbered stainless steel instrument tag	305 701 393	



Q SERIES

Very tough polypropylene float switch with hypalon rubber clad 3 core cable for pump in and pump out applications

Model No	Description	Order No	Price
Q4M	21 amp resistive 0-240V SPDT Float switch with 4 metre Hypalon cable	305 701 396	
Q6M	21 amp resistive 0-240V SPDT Float switch with 6 metre Hypalon cable	305 701 397	
Q10M	21 amp resistive 0-240V SPDT Float switch with 10 metre Hypalon cable	305 701 398	
Q15M	21 amp resistive 0-240V SPDT Float switch with 15 metre Hypalon cable	305 701 399	
Q20M	21 amp resistive 0-240V SPDT Float switch with 20 metre Hypalon cable	305 701 400	
Q30M	21 amp resistive 0-240V SPDT Float switch with 30 metre Hypalon cable	305 701 401	
Q50M	21 amp resistive 0-240V SPDT Float switch with 50 metre Hypalon cable	305 701 402	
QCW	Polpropylene split style cable weight for Q float series	305 701 404	
INSTRUMENT TAG	Custom Numbered stainless steel instrument tag	305 701 393	



LEVEL CONTROL SWITCHES



ACEQUIP FLOAT SWITCHES

Part No	Size	Each
FS-5M	5m PVC Cable	
FS-10M	10m PVC Cable	
FS-20M	20m PVC Cable	
FS-30M	30m PVC Cable	
FS-50M	50m PVC Cable	
FSN-10M	10m Neoprene Cable	
FSN-20M	20m Neoprene Cable	
FSPB-10M	10m PVC Cable 'Piggy Back' plug fitted Specify tank fill (TF) or tank empty (TE)	

- Suitable for up to 250V AC
- Max Current 8AMP
- 3 wire for tank emptying or filling
- High quality construction
- Weight included
- Bulk discount: Less 10% for 10+ units (Can be mixed qty)
- Add \$92.00 for 'Piggy Back' plug fitted to any float switch



Part No	Size	Each
9010-10	10m Neoprene Cable	
9010-20	20m Neoprene Cable	
9010-30	30m Neoprene Cable	

- Cable: Neoprene
- Housing: ABS
- Max Voltage: 250Vac
- Max Current: 6 AMP
- Temperature range: 0-60° C
- Protection: IP68 @ 20m
- For Sewerage Applications



HEAVY DUTY FLOAT SWITCHES

Part No	Size	Each
SJE20A-10M	10m CPE Rubber	

- Suitable for up to 240V AC
- Max Current 20 AMP
- High quality construction
- Made in USA
- 2.2kw Max at 240V AC
- IP 68 Rated
- No weight included - cable clamp included



LEVEL CONTROL SWITCHES

Mac3 FLOAT SWITCHES

Part No	Size	Each
Mac3-5m	5m PVC Cable	
Mac3-10m	10m PVC Cable	
Mac3-25m	25m PVC Cable	
Mac3N-10m	10m Neoprene Cable	

- Suitable for up to 250V
- Maximum current 8AMP
- 3 wire for tank emptying or filling
- Genuine European product
- Weight included



Part No	Size	Each
Key-10m	10m PVC Cable	

- Suitable for up to 250V
- Maximum current 8AMP
- 3 wire for tank emptying or filling
- Genuine European product
- Weight included



Part No	Size	Each
Small-5m	5m Neoprene Cable	

- Suitable for up to 250V
- Maximum current 8AMP
- 3 wire for tank emptying or filling
- Genuine European product
- Weight included



Part No	Size	Each
EFLY-10M A	10m Neoprene Cable	
EFLY-20M A	20m Neoprene Cable	

- Heavy duty double liquid proof chamber construction ATEX Approved
- Suitable for dirty water & sewage
- Suitable for up to 250V
- Maximum current 10AMP
- Maximum 50° C operating temperature
- IP68 Protection rating
- Genuine European product





LEVEL CONTROL SWITCHES



MAC 3 VERTICAL FLOAT SWITCH

Part No **Each**

Agma22 Fixed column type- 2 wire

AgmaW-2 Adj /bell type- 2 wire

AgmaW Adj /bell type- 5m Neop cable- 3 wire

- Plastic construction
- Shallow pit applications
- 240V 8 Amps

Each



M3PK-Z8 Kit

Mac3-Probe Probe only

- Includes relay, rail mount and 3 probes
- 240V
- Maximum current 5 Amps
- IP20 Protection rating



TRIPLE ELECTRODE HOLDER

Part No **Each**

TEH -3R

- Robust plastic construction
- Includes electrode separator



ELECTRODE RODS

Part No **Length** **Each**

ER-1M 1000mm

- 304 stainless steel
- M6 thread both ends
- Suits electrode holder



ELECTRODE ADAPTOR

Part No **Each**

EA-M6

- 304 stainless steel
- M6 thread
- For joining electrode rods



LEVEL CONTROL SWITCHES

TOP MOUNT FLOAT SWITCH

Part No **Each**

TMFS-240

- 240 Volt
- 7.5 Amp rated
- Heavy duty switch action
- Solid plastic construction
- Suitable for above tank mounting
- Adjustable control range of up to 5 metres



FS5 FLOAT SWITCH

Part No **Each**

FS-5

- 240 Volt - up to 1.5kw
- Heavy duty cast alloy construction
- Suitable for above tank mounting
- Adjustable control range



HORIZONTAL FLOAT SWITCH

Part No **Each**

F6-HPS-11 Internal horizontal lever type

- 2 wire
- Max temperature 80°C
- Max pressure 8 bar
- 240 Volt
- 0.08 Amps
- Suitable for Water, oils & chemicals
- M16 thread
- Polypropylene construction



VERTICAL FLOAT SWITCH

Part No **Each**

F7-PP

- 2 wire
- Max temperature 105°C
- Max pressure 6.89 bar
- 240 Volt
- 0.14 Amps
- Broad chemical compatibility
- M16 thread
- Epoxy/Polypropylene construction



Each

FSB-SS-3

FSB-SS-4

- Stainless steel construction
- For mounting up to 3 or 4 float switches
- Glands included



FLOAT SWITCH FIXING KIT

Part No **Each**

FS-FK

- Secure mounting kit for fixing to pipe





CONSTANT PRESSURE CONTROLLERS

Qty of 12



PC - 15

\$139.73

- 240 Volt
- IP65 Protection
- Max Pressure 10 bar
- Solid plastic quality construction
- Max Power 1.1kW
- 10 (6) Amp rated
- Water temperature to 60°C max
- 1" Male inlet & outlet
- Pre-wired plug
- 1.5 Bar Cut-in pressure

ACEQUIP PUMP CONTROLLER

Qty of 12



Part No

Each

PC - 22

\$153.14

- 240 Volt
- IP65 Protection
- Max Pressure 10 bar
- Solid plastic quality construction
- Max Power 1.1kW
- 10 (6) Amp rated
- Water temperature to 60°C max
- 1" Male inlet & outlet
- Pre-wired plug
- 2.2 Bar Cut-in pressure

ACEQUIP AUTO RESTART PUMP CONTROLLER

Each



Part No

ARPC - 22

- 240 Volt
- IP65 Protection
- Max Pressure 10 bar
- Solid plastic quality construction
- Max Power 2.2kW
- 30 (16) Amp rated
- Water temperature to 60°C
- 1 1/4" Male inlet & outlet
- Pre-wire plug
- 2.2 Bar Cut-in pressure

ACEQUIP ADJUSTABLE PUMP CONTROLLER

Qty of 12



Part No

Each

APC - 15

\$144.20

- 240 Volt
- IP65 Protection
- Max Pressure 10 bar
- Solid plastic quality construction
- 10 (6) Amp rated
- Water temperature to 60°C max
- 1" Male inlet & outlet
- Pre-wired plug
- Inbuilt pressure gauge
- Adjustable cut in pressure



CONSTANT PRESSURE CONTROLLERS

ACEQUIP LOGICPRESS PUMP CONTROLLER

Part No	Each	Qty of 10
LP-15	\$219.09	

- Auto restart feature*
- Max Pressure: 12 Bar
- Replaceable pressure gauge
- 240V
- IP65 Protection
- 1.5 Bar Cut-in
- Max Power: 1.5kW
- Max Temp: 65° C
- 1" Ports
- Genuine European product
- Plug & lead not included



ACEQUIP LOGICPRESS PUMP CONTROLLER

Part No	Each	Qty of 10
LPS-15	\$254.86	

- Adjustable cut in pressure
- Auto restart feature*
- Replaceable pressure gauge
- 240V
- IP65 Protection
- Max Power: 1.5kW
- Max Pressure: 12 Bar
- Max Temp: 65° C
- 1" Ports
- Genuine European product
- Plug & lead not included



ACEQUIP LOGICPRESS PUMP CONTROLLER

Part No	Each
LP-22	

- Auto restart feature*
- Max Pressure: 12 Bar
- 240V
- IP65 Protection
- 2.2 Bar Cut-in
- Max Power: 1.5kW
- 1" Ports
- Genuine European product
- Plug & lead not included



ACEQUIP LOGICPRESS PRESSURE GAUGE

Part No	Each
LP-PG	Replaceable pressure gauge



*** Auto Restart Feature**

The device will make 10 attempts to restart over a 24 hr period each lasting approx 5 seconds to allow the pump to resume normal operation if possible. After the last attempt to restart the pump will remain in alarm mode with the failure light flashing. This can be manually reset once fault has been rectified.

Operator may manually reset the device at any time by pressing the restart button.

If the pump has not been used for 24 consecutive hours the pump will carry out a automatic restart of the pump and run for 5 seconds.

In case of a temporary blackout the device will automatically reset once the power returns.

**Quality
Europea
n
Products**





CONSTANT PRESSURE CONTROLLERS



LOGICSTOP LOSS OF PRIME PROTECTION

Part No	Amps	Each
LOGICSTOP	3 - 8	
LOGICSTOP PLUS	6 - 10	

- 240 Volt
- Run dry protection
- Suited to centrifugal pumps
- Genuine European product

PRESSCONTROL

Part No	Each	Qty of 10
GPC - 15	\$234.74	

- Genuine Presscontrol
- European quality
- 240 Volt
- IP65 Protection
- Maximum Pressure 10 Bar
- Water temperature to 65 °C max
- Maximum Power 1.5kW
- Maximum Current 16 (8) A
- 1" Male inlet & outlet
- Plug and lead not included
- 1.5 Bar Cut-in pressure



MASCONTROL

Part No	Each
GMC - 15	

- Genuine Mascontrol
- European quality
- 240 Volt
- IP65 Protection
- Maximum Pressure 12 Bar
- 1.5 Bar Cut-in pressure
- Water temperature to 65 °C max
- Maximum Power 2.2kW
- Maximum Current 30 (16) A
- 1 1/4" Male inlet & outlet
- Plug and lead not included



MASCONTROL 3 PHASE

Part No	Each
GMC - 3PH	

- Genuine Mascontrol
- European quality
- 3 Phase
- Maximum Pressure 12 Bar
- 1.5 Bar Cut-in pressure
- Water temperature to 60 °C
- Maximum Power 2.2kW
- Maximum Current 6 Amps
- 1 1/4" Male inlet & outlet
- Plug not included



CONTROLPRESS

Part No	Each
GCP	

- Genuine Controlpress
- Max Power: 2.2kW
- Max Pressure: 12 Bar
- Port Sizes: 1 1/4"
- Minimum Cut in Pressure: 3 Bar (adjustable)
- Plug and lead not included
- Pressure gauge fitted





LEVEL PROBES



Model No	Description	Order No	Price
LP2W20	Level Probe 2W x 20 metres cw probe 16mm	305 701 740	
LP2W30	Level Probe 2W x 30 metres cw probe 16mm	305 701 741	
LP2W40	Level Probe 2W x 40 metres cw probe 16mm	305 701 742	
LP2W50	Level Probe 2W x 50 metres cw probe 16mm	305 701 743	
LP2W60	Level Probe 2W x 60 metres cw probe 16mm	305 701 744	
LP2W70	Level Probe 2W x 70 metres cw probe 16mm	305 701 745	
LP2W80	Level Probe 2W x 80 metres cw probe 16mm	305 701 746	
LP2W90	Level Probe 2W x 90 metres cw probe 16mm	305 701 747	
LP2W100	Level Probe 2W x 100 metres cw probe 16mm	305 701 748	
LP2W120	Level Probe 2W x 120 metres cw probe 16mm	305 701 749	
LP2W140	Level Probe 2W x 140 metres cw probe 16mm	305 701 750	
LP2W160	Level Probe 2W x 160 metres cw probe 16mm	305 701 751	
LP2W180	Level Probe 2W x 180 metres cw probe 16mm	305 701 752	
LP2W200	Level Probe 2W x 200 metres cw probe 16mm	305 701 753	

Notes:

2 Wire stainless steel conductivity probe 16mm diameter probe
 Brown/Black wire #8 to centre electrode. Blue wire #1 to outer sheath
 Probes MUST NOT be subject to high voltage or "Megger" testing

LP2R	Replacement conductivity Relay for 2W level probes. Not compatible with PLC use Not waterproof, must be mounted within panel For use in Franklin panels or Franklin LCP 240V or 415V input, 8-12 vAC output	305 701 754	
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Levels probes can be used single or dual and low level or high level water levels and send signals back to control equipment to start or stop equipment such as pump or valves.

Contact Franklin Electric for your Control Panels that incorporate level control or probe terminals or use our LCP – Level Control Panels.



MOTOR RUN CAPACITORS



MOTOR RUN CAPACITOR - PLASTIC CASE

Part No	CAP uF	Volts	Terminal	1-19	20+
CAP-8.0C	8uF	450v	Cable		
CAP-10.0C	10uF	450v	Cable		
CAP-12.0C	12uF	450v	Cable		
CAP-12.5C	12.5uF	450v	Cable		
CAP-14.0C	14uF	450v	Cable		
CAP-15.0C	15uF	450v	Cable		
CAP-16.0C	16uF	450v	Cable		
CAP-20.0C	20uF	450v	Cable		
CAP-25.0C	25uF	450v	Cable		
CAP-30.0C	30uF	450v	Cable		
CAP-31.5C	31.5uF	450v	Cable		
CAP-35.0C	35uF	450v	Cable		
CAP-40.0C	40uF	450v	Cable		
CAP-45.0C	45uF	450v	Cable		
CAP-50.0C	50uF	450v	Cable		
CAP-60.0C	60uF	450v	Cable		
CAP-65.0C	65uF	450v	Cable		
CAP-70.0C	70uF	450v	Cable		
CAP-75.0C	15uF	450v	Cable		
CAP-2.0P	2uF	450v	Pins		
CAP-4.0P	4uF	450v	Pins		
CAP-5.0P	5uF	450v	Pins		
CAP-6.0P	6uF	450v	Pins		
CAP-7.0P 7uF	450v	Pins			
CAP-8.0P	8uF	450v	Pins		
CAP-9.0P	9uF	450v	Pins		
CAP-10.0P	10uF	450v	Pins		
CAP-12.0P	12uF	450v	Pins		
CAP-12.5P	12.5uF	450v	Pins		
CAP-14.0P	14uF	450v	Pins		
CAP-15.0P	15uF	450v	Pins		
CAP-16.0P	16uF	450v	Pins		
CAP-18.0P	18uF	450v	Pins		
CAP-20.0P	20uF	450v	Pins		
CAP-22.0P	22uF	450v	Pins		
CAP-25.0P	25uF	450v	Pins		
CAP-30.0P	30uF	450v	Pins		
CAP-31.5P	31.5uF	450v	Pins		
CAP-35.0P	35uF	450v	Pins		
CAP-40.0P	40uF	450v	Pins		
CAP-45.0P	45uF	450v	Pins		
CAP-50.0P	50uF	450v	Pins		
CAP-55.0P	55uF	450v	Pins		
CAP-60.0P	60uF	450v	Pins		
CAP-70.0P	70uF	450v	Pins		
CAP-80.0P	80uF	450v	Pins		
CAP-90.0P	90uF	450v	Pins		
CAP-100.0P	100uF	450v	Pins		





MOTOR RUN CAPACITORS

MOTOR RUN CAPACITOR - ALUMINIUM CASE

Part No	uf	Voltage	Terminal	Each
CAPAL-12.OP	12uf	450v	Pins	
CAPAL-16.OP	16uf	450v	Pins	
CAPAL-20.OP	20uf	450v	Pins	
CAPAL-25.OP	25uf	450v	Pins	
CAPAL-30.OP	30uf	450v	Pins	
CAPAL-40.OP	40uf	450v	Pins	



MOTOR RUN CAPACITOR SQUARE

Part No	uf	Voltage	Terminal	Each
CAP-4.OPSQ	4uf	450V	Pins	
CAP-6.OPSQ	6uf	450V	Pins	
CAP-8.OPSQ	8uf	450V	Pins	
CAP-10.OPSQ	10uf	450V	Pins	
CAP-12.OPSQ	12uf	450V	Pins	
CAP-16.OPSQ	16uf	450V	Pins	



MOTOR START CAPACITOR

Part No	uf	Voltage	Terminal	Each
SCAP125-30-36	30-36uF	125V	Pins	
SCAP125-43-52	43-52uF	125V	Pins	
SCAP125-53-64	53-64uf	125V	Pins	
SCAP125-64-77	64-77uF	125V	Pins	
SCAP125-72-86	72-86uF	125V	Pins	
SCAP125-88-106	88-106uF	125V	Pins	
SCAP125-108-130	108-130uF	125V	Pins	
SCAP125-124-149	124-149uF	125V	Pins	
SCAP125-130-156	130-156uF	125V	Pins	
SCAP125-145-174	145-174uF	125V	Pins	
SCAP125-161-193	161-193uF	125V	Pins	
SCAP125-189-227	189-227uF	125V	Pins	
SCAP125-216-260	216-260uF	125V	Pins	
SCAP125-233-280	233-280uF	125V	Pins	
SCAP125-243-292	243-292uF	125V	Pins	
SCAP125-270-324	270-324uF	125V	Pins	
SCAP125-324-389	324-389uF	125V	Pins	
SCAP125-340-408	340-408uF	125V	Pins	
SCAP125-378-454	378-454uF	125V	Pins	
SCAP125-400-480	400-480uF	125V	Pins	
SCAP125-430-516	430-516uF	125V	Pins	





MOTOR RUN START CAPACITORS



MOTOR START CAPACITOR

Part No	uf	Voltage	Terminal	Each
SCAP250-25-30	25-30uF	250V	Pins	
SCAP250-36-43	36-43uF	250V	Pins	
SCAP250-47-56	47-56uF	250V	Pins	
SCAP250-53-64	53-64uF	250V	Pins	
SCAP250-64-77	64-77uF	250V	Pins	
SCAP250-72-86	72-86uF	250V	Pins	
SCAP250-88-106	88-106uF	250V	Pins	
SCAP250-108-130	108-130uF	250V	Pins	
SCAP250-124-149	124-149uF	250V	Pins	
SCAP250-130-156	130-156uF	250V	Pins	
SCAP250-145-174	145-174uF	250V	Pins	
SCAP250-161-193	161-193uF	250V	Pins	
SCAP250-189-227	189-227uF	250V	Pins	
SCAP250-200-240	200-240uF	250V	Pins	
SCAP250-216-260	216-260uF	250V	Pins	
SCAP250-233-280	233-280uF	250V	Pins	
SCAP250-270-324	270-324uF	250V	Pins	
SCAP330-30-36	30-36uF	330V	Pins	
SCAP330-36-43	36-43uF	330V	Pins	
SCAP330-43-52	43-52uF	330V	Pins	
SCAP330-47-56	47-56uF	330V	Pins	
SCAP330-53-64	53-64uF	330V	Pins	
SCAP330-64-77	64-77uF	330V	Pins	
SCAP330-72-86	72-86uF	330V	Pins	
SCAP330-88-106	88-106uF	330V	Pins	
SCAP330-108-130	108-130uF	330V	Pins	
SCAP330-124-149	124-149uF	330V	Pins	
SCAP330-130-156	130-156uF	330V	Pins	
SCAP330-145-174	145-174uF	330V	Pins	
SCAP330-161-193	161-193uF	330V	Pins	
SCAP330-189-227	189-227uF	330V	Pins	





LEATHER PUMP BUCKETS



Box 12 Each

PB 2 -3/4	3/4"	
PB 2 -7/8	7/8"	
PB <input type="checkbox"/> -1	1"	
PB <input type="checkbox"/> -1 1/8	1 1/8"	
PB <input type="checkbox"/> -1 1/4	1 1/4"	
PB <input type="checkbox"/> -1 3/8	1 3/8"	
PB <input type="checkbox"/> -1 1/2	1 1/2"	
PB <input type="checkbox"/> -1 5/8	1 5/8"	
PB <input type="checkbox"/> -1 3/4	1 3/4"	
PB <input type="checkbox"/> -1 7/8	1 7/8"	
PB <input type="checkbox"/> -2	2"	
PB <input type="checkbox"/> -2 1/8	2 1/8"	
PB <input type="checkbox"/> -2 1/4	2 1/4"	
PB <input type="checkbox"/> -2 3/8	2 3/8"	
PB <input type="checkbox"/> -2 1/2	2 1/2"	
PB <input type="checkbox"/> -2 5/8	2 5/8"	
PB <input type="checkbox"/> -2 3/4	2 3/4"	
PB <input type="checkbox"/> -2 7/8	2 7/8"	
PB <input type="checkbox"/> -3	3"	
PB <input type="checkbox"/> -3 1/8	3 1/8"	
PB <input type="checkbox"/> -3 1/4	3 1/4"	
PB <input type="checkbox"/> -3 1/2	3 1/2"	
PB <input type="checkbox"/> -3 3/4	3 3/4"	-
PB <input type="checkbox"/> -4	4"	-
PB <input type="checkbox"/> -4 1/8	4 1/8"	-
PB <input type="checkbox"/> -4 1/4	4 1/4"	-
PB <input type="checkbox"/> -4 1/2	4 1/2"	-
PB <input type="checkbox"/> -4 5/8	4 5/8"	-
PB <input type="checkbox"/> -4 3/4	4 3/4"	-
PB <input type="checkbox"/> -4 7/8	4 7/8"	-
PB <input type="checkbox"/> -5	5"	-
PB <input type="checkbox"/> -5 1/2	5 1/2"	-
PB <input type="checkbox"/> -6	6"	-
PB <input type="checkbox"/> -7	7"	-

CUT-OUTS (Specify size when ordering)

Specify type 1 or 3 when ordering (see information below)

These quality pump buckets are made from selected leather in order to ensure a good quality bucket. Leather being absorbent has the advantage of conforming to the shape worn pump cylinder and so maximizing pressure.

The **No.3** is a pliable bucket that has proved satisfactory for medium or soft water. For hard or artesian water the **No.1** bucket may be necessary. This is a hard bucket manufactured by a different process. The skin of the leather is on the inside. This ensures that the bucket is not weakened by any tailoring necessary when fitting to a pump cylinder.



LEATHER PUMP BUCKETS

Each

PBN-1	(SMALL HOLE)	1"
PBN-1 1/8		1 1/8"
PBN-1 1/4		1 1/4"
PBN-1 3/8		1 3/8"
PBN-1 1/2		1 1/2"
PBN 1 3/4		1 3/4"
PBN-2	(LARGE HOLE)	2"
PBN-2 1/4		2 1/4"
PBN-2 1/2		2 1/2"
PBN-2 3/4		2 3/4"
PBN-3		3"
PBN-3 1/2		3 1/2"
PBN-4		4"



NEOPRENE PUMP BUCKETS

Part No	Size	Each
PBNE-1	1"	
PBNE-1 1/8	1 1/8"	
PBNE-1 1/4	1 1/4"	
PBNE-1 3/8	1 3/8"	
PBNE-1 1/2	1 1/2"	
PBNE-1 3/4	1 3/4"	
PBNE-1 7/8	1 7/8"	
PBNE-2	2"	
PBNE-2 1/4	2 1/4"	
PBNE-2 1/2	2 1/2"	
PBNE-2 3/4	2 3/4"	
PBNE-3	3"	
PBNE-3 1/2	3 1/2"	
PBNE-4	4"	





FLANGE GASKETS



FLANGE GASKETS - SINGLE PLY - TABLE D - RUBBER

Part No	Size	Each	Qty 25 Each
FG-00.75	3/4"		
FG-01.00	1"		
FG-01.25	1 1/4"		
FG-01.50	1 1/2"		
FG-02.00	2"		
FG-02.50	2 1/2"		
FG-03.00	3"		
FG-03.50	3 1/2"		
FG-04.00	4"		
FG-05.00	5"		
FG-06.00	6"		
FG-07.00	7"		
FG-08.00	8"		
FG-09.00	9"		
FG-10.00	10"		
FG-12.00	12"		
FG-14.00	14"		
FG-16.00	16"		
FG-18.00	18"		
FG-20.00	20"		



FLANGE GASKETS

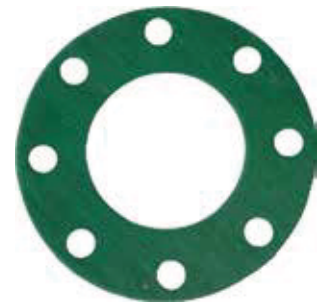
FLANGE GASKETS - DOUBLE PLY - TABLE D - RUBBER

Part No	Size	Each
FGDP-03.00	3"	
FGDP-04.00	4"	
FGDP-06.00	6"	
FGDP-08.00	8"	
FGDP-10.00	10"	
FGDP-12.00	12"	



FLANGE GASKETS - SINGLE PLY - TABLE D - FIBRE

Part No	Size	Each
FGCF-01.50	1 1/2"	
FGCF-02.00	2"	
FGCF-03.00	3"	
FGCF-04.00	4"	
FGCF-05.00	5"	
FGCF-06.00	6"	





PUMP PACKING

NUMBAT PTFE PACKING - 1M PACK



NUMBAT

Part No	Size mm	Length	Each
NPP - 032	3.2	1m	
NPP - 050	5.0	1m	
NPP - 065	6.5	1m	
NPP - 080	8.0	1m	
NPP - 095	9.5	1m	
NPP - 125	12.5	1m	
NPP - 160	16.0	1m	
NPP - 190	19.0	1m	

- PTFE impregnated synthetic fibre lubricated
- Speed: 12mtr/sec
- pH: 2-12
- Temp: to 250 °C.
- Pressure: to 290 PSI

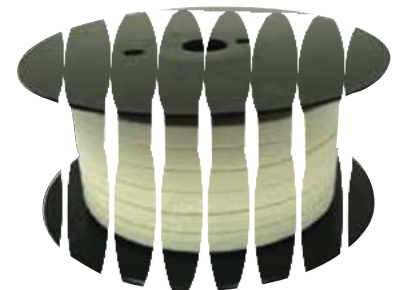
NUMBAT GRAPHITE PACKING – 1M PACK



Part No	Size mm	Length	Each
GPP - 032	3.2	1m	
GPP - 050	5.0	1m	
GPP - 065	6.5	1m	
GPP - 080	8.0	1m	
GPP - 095	9.5	1m	
GPP - 125	12.5	1m	
GPP - 160	16.0	1m	
GPP - 190	19.0	1m	

- Graphite impregnated synthetic fibre, lubricated
- Speed: 10mtr/sec
- pH: 2-12
- Temp: to 260 °C.
- Pressure: to 290 PSI

NUMBAT PTFE PACKING - 8M ROLL



Part No	Size mm	Length	Each
NPP8 - 032	3.2	8m Roll	
NPP8 - 050	5.0	8m Roll	
NPP8 - 065	6.5	8m Roll	
NPP8 - 080	8.0	8m Roll	
NPP8 - 095	9.5	8m Roll	
NPP8 - 125	12.5	8m Roll	
NPP8 - 160	16.0	8m Roll	
NPP8 - 190	19.0	8m Roll	

- PTFE impregnated synthetic fibre, lubricated
- Speed: 12mtr/sec
- Temp: to 250 °C.
- pH: 2-12
- Pressure: to 290 PSI



PUMP PACKING



NUMBAT GRAPHITE PACKING - 8M ROLL

Part No	Size mm	Length	Each
GPP8 - 032	3.2	8m Roll	
GPP8 - 050	5.0	8m Roll	
GPP8 - 065	6.5	8m Roll	
GPP8 - 080	8.0	8m Roll	
GPP8 - 095	9.5	8m Roll	
GPP8 - 125	12.5	8m Roll	
GPP8 - 160	16.0	8m Roll	
GPP8 - 190	19.0	8m Roll	

- Graphite impregnated synthetic fibre, lubricated
- Speed: 10mtr/sec
- pH: 2-12
- Temp: to 260 °C.
- Pressure: to 290 PSI



PTFE PACKING CORD - 1/2 M PACKS

Part No	Size mm	Each
PTFE/PC - 053	3mm x 500mm Length	
PTFE/PC - 054	4mm x 500mm Length	
PTFE/PC - 056	6mm x 500mm Length	

FLEXIBLE PACKING EXTRACTORS

Part No	Size	Each
FPER - 1	Small	
FPER - 2	Medium	
FPER - 3	Large	



REPLACEMENT TIPS

Part No	Each
FPE - T1	
FPE - T2	
FPE - T3	

- This tool is designed to facilitate the removal of old packing of any size.
- Replaceable tip type.

PACKING CUTTER TOOL

Part No	Each
PCT01	



- 90° and 45° cutting angles



MECHANICAL SEALS

 <p>NG1 - Page 93</p>	 <p>NG12 - Page 94</p>	 <p>N3 - Page 95</p>	 <p>N3RD - Page 95</p>
 <p>N3LU - Page 95</p>	 <p>NG13 - Page 95</p>	 <p>NG13G - Page 95</p>	 <p>N6 - Page 96</p>
 <p>N7 - Page 97</p>	 <p>N8 - Page 98</p>	 <p>N9 - Page 99</p>	 <p>N32 - Page 99</p>
 <p>N36B - Page 99</p>	 <p>N10 - Page 100</p>	 <p>NR10 - Page 101</p>	 <p>NU3 - Page 102</p>
 <p>NU5 - Page 102</p>	 <p>N21 IMP - Page 103</p>	 <p>N21 DIN - Page 104</p>	 <p>N560 - Page 105</p>
 <p>N560D - Page 106</p>	 <p>N2100 - Page 107</p>	 <p>N2100K - Page 108</p>	 <p>N502 - Page 109</p>
 <p>Ricambi - Page 110</p>	 <p>Ricambi - Page 111</p>	 <p>Numbat Mechanical Seal</p>	 <p>Numbat Mechanical Seal</p>



MECHANICAL SEALS

NG1-12mm	12	25.0	23.0	6.6	15.0	21.6
NG1-14mm	14	28.5	25.0	6.6	17.0	23.6
NG1-14mm HM	14	28.5	26.0	5.5	17.0	22.5
NG1-15mm	15	28.5	27.0	6.6	17.0	23.6
NG1-16mm	16	28.5	27.0	6.6	17.0	23.6
NG1-18mm	18	32.0	33.0	7.5	19.5	27.0
NG1-19mm	19	37.0	35.0	7.5	21.5	29.0
NG1-20mm	20	37.0	35.0	7.5	21.5	29.0
NG1-20mm Z	20	37.0	31.0	8.0	21.5	29.5
NG1-22mm	22	37.0	37.0	7.5	21.5	29.0
NG1-24mm	24	42.5	39.0	7.5	22.5	30.0
NG1-25mm	25	42.5	40.0	7.5	23.0	30.5
NG1-28mm	28	49.0	43.0	7.5	26.5	34.0
NG1-30mm	30	49.0	45.0	7.5	26.5	34.0
NG1-32mm	32	53.5	48.0	7.5	27.5	35.0
NG1-33mm	33	53.5	48.0	7.5	27.5	35.0
NG1-35mm	35	57.0	50.0	7.5	28.5	36.0
NG1-38mm	38	59.0	56.0	9.0	30.0	39.0
NG1-40mm	40	62.0	58.0	9.0	30.0	39.0
NG1-43mm	43	65.5	61.0	9.0	30.0	39.0
NG1-45mm	45	68.0	63.0	9.0	30.0	39.0
NG1-48mm	48	70.5	66.0	9.0	30.5	39.5
NG1-50mm	50	74.0	70.0	9.5	30.5	40.0
NG1-53mm	53	78.5	73.0	11.0	33.0	44.0
NG1-55mm	55	81.0	75.0	11.0	35.0	46.0
NG1-58mm	58	85.5	78.0	11.0	37.0	48.0
NG1-60mm	60	88.5	80.0	11.0	38.0	49.0
NG1-65mm	65	93.5	85.0	11.0	40.0	51.0
NG1-68mm	68	96.5	90.0	11.3	40.0	51.3
NG1-70mm	70	99.5	92.0	11.3	40.0	51.3
NG1-75mm	75	107.0	97.0	11.3	40.0	51.3
NG1-80mm	80	112.0	105.0	12.0	40.0	52.0
NG1-85mm	85	120.0	110.0	14.0	41.0	55.0
NG1-90mm	90	127.0	115.0	14.0	45.0	59.0
NG1-95mm	95	132.0	120.0	14.0	46.0	60.0
NG1-100mm	100	137.0	125.0	14.0	47.0	61.0



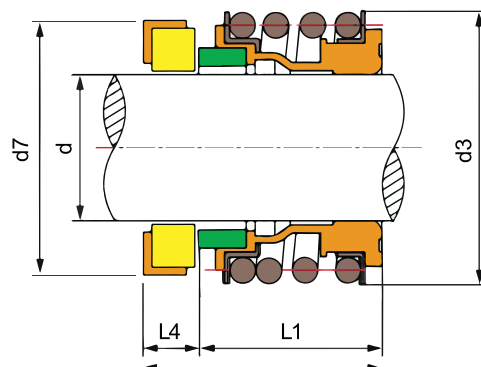
**Equivalent
MG1**

Operating Limits

Pressure: $\leq 1.2\text{MPa}$
 Speed: $\leq 10\text{m/s}$
 Temperature: $-20^{\circ}\text{C} \sim +120^{\circ}\text{C}$

- Rotary Ring (Carbon/SiC/TC)
- Stationary Ring (Ceramic/SiC/TC)
- Secondary Seal (NBR/EPDM/VITON)
- Spring & Other Parts (SUS304)

CSV = Carbon, Silicon, Viton
 SSV = Silicon, Silicon, Viton





MECHANICAL SEALS



NG12-12mm	12	25.0	23.0	6.6	25.9	32.5
NG12-14mm	14	28.5	25.0	6.6	28.4	35.0
NG12-15mm	28.5	27.0	6.5	28.5		35.0
NG12-16mm	16	28.5	27.0	6.6	28.4	35.0
NG12-18mm	18	32.0	33.0	7.5	30.0	37.5
NG12-20mm	20	37.0	35.0	7.5	30.0	37.5
NG12-22mm	22	37.0	37.0	7.5	30.0	37.5
NG12-24mm	24	42.5	39.0	7.5	32.5	40.0
NG12-25mm	25	42.5	40.0	7.5	32.5	40.0
NG12-28mm	28	49.0	43.0	7.5	35.0	42.5
NG12-30mm	30	49.0	45.0	7.5	35.0	42.5
NG12-32mm	32	53.5	48.0	7.5	35.0	42.5
NG12-33mm	33	53.5	48.0	7.5	35.0	42.5
NG12-35mm	35	57.0	50.0	7.5	35.0	42.5
NG12-38mm	38	59.0	56.0	9.0	36.0	45.0
NG12-40mm	40	62.0	58.0	9.0	36.0	45.0
NG12-43mm	43	65.5	61.0	9.0	36.0	45.0
NG12-45mm	45	68.0	63.0	9.0	36.0	45.0
NG12-48mm	48	70.5	66.0	9.0	36.0	45.0
NG12-50mm	50	74.0	70.0	9.5	38.0	47.5
NG12-53mm	53	78.5	73.0	11.0	36.5	47.5
NG12-55mm	55	81.0	75.0	11.0	36.5	47.5
NG12-58mm	58	85.5	78.0	11.0	41.5	52.5
NG12-60mm	60	88.5	80.0	11.0	41.5	52.5
NG12-65mm	65	93.5	85.0	11.0	41.5	52.5
NG12-68mm	68	96.5	90.0	11.3	41.2	52.5
NG12-70mm	70	99.5	92.0	11.3	48.7	60.0
NG12-75mm	75	107.0	97.0	11.3	48.7	60.0
NG12-80mm	80	112.0	105.0	12.0	48.0	60.0
NG12-85mm	85	120.0	110.0	14.0	46.0	60.0
NG12-90mm	90	127.0	115.0	14.0	51.0	65.0
NG12-95mm	95	132.0	120.0	14.0	51.0	65.0
NG12-100mm	100	137.0	125.0	14.0	51.0	65.0

Equivalent

MG12

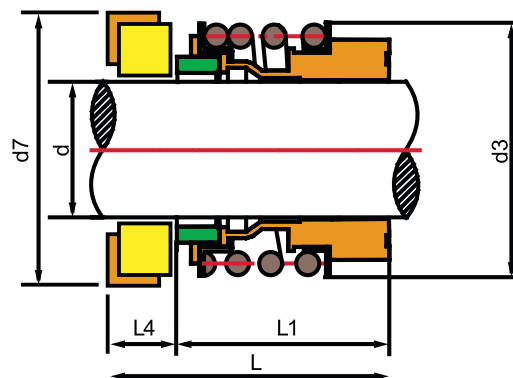
Operating Limits

Pressure: $\leq 1.2\text{MPa}$
 Speed: $\leq 10\text{m/s}$
 Temperature: $-20^{\circ}\text{C} \sim +120^{\circ}\text{C}$

- Rotary Ring (Carbon/SiC/TC)
- Stationary Ring (Ceramic/SiC/TC)
- Secondary Seal (NBR/EPDM/VITON)
- Spring & Other Parts (SUS304/SUS316)

CSV = Carbon, Silicon, Viton

SSV = Silicon, Silicon, Viton





MECHANICAL SEALS

N3 NUMBAT MECHANICAL SEAL

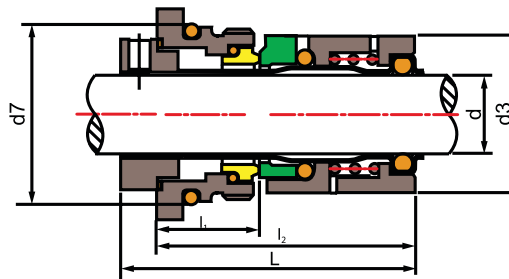
Part No	SSV Price	d	d3	d7	L
N3-12mm		12	25.0	29.0	55.0
N3-16mm		16	30.5	34.0	57.5
N3-22mm		22	42.0	50.0	70.0
N3RD-12mm		12	25.0	31.5	56.0
N3RD-16mm		16	30.5	34.0	59.0
N3RD-22mm		22	42.0	50.0	73.0
N3LU-12mm		12	25.3	29.0	55.0
N3LU-16mm		16	30.9	34.0	57.5

Operating Limits

Pressure: ≤1.0MPa
 Speed: ≤10m/s
 Temperature: -30°C ~+180°C

- Rotary Ring (SiC/TC)
- Stationary Ring (SiC/TC)
- Secondary Seal(NBR/VITON)
- Spring &Other Parts(SUS316)

SSV = Silicon, Silicon, Viton



NG13 NUMBAT MECHANICAL SEAL

Part No	CCV Price	SSV Price	d	d3	d7	L4	L1	L
NG13-12mm			12	24.5	23.0	6.6	33.5	40.1
NG13G-12mm			12	22.0	23.0	8.5	25.5	
3		4			.			0
NG13-16mm		16	28.0	27.0	6.6	33.5		40.1
NG13G-16mm		16	26.3	27.0	9.8	31.0	4 0	8
NG13G-16mm S		16	26.3	27.0	9.0	25.5		
3		4			.			5
NG13-22mm			22	37.0	37.0	7.5	37.7	
4		5			.			0
NG13-28mm			28	49.0	43.0	7.5	42.7	
5		0			.			2
NG13-33mm			33	53.0	48.0	7.5	47.7	
5		5			.			2
NG13-35mm			35	57.0	50.0	7.5	47.7	
5		5			.			2
NG13-38mm			38	59.0	56.0	9.0	46.2	
5		5			.			2
NG13-40mm			40	62.0	58.0	9.0	46.2	
5		5			.			2
NG13-43mm			43	65.5	61.0	9.0	51.2	
6		0			.			2
NG13-45mm			45	68.0	63.0	9.0	51.2	
6		0			.			2
NG13-48mm		48	70.0	66.0	10.0	51.2		61.2
NG13-50mm			50	73.5	70.0	9.5	50.7	
6		0			.			2
NG13-55mm			55	80.5	75.0	12.0	59.2	71.2



Operating Limits

Pressure: ≤1.2MPa
 Speed: ≤10m/s
 Temperature: -20°C ~+180°C

- Rotary Ring(Carbon/SiC)
- Retainer(SUS304)
- Spring(SUS304)
- Spring Holder(SUS304)

CCV = Carbon, Silicon, Viton
 SSV = Silicon, Silicon, Viton

Stationary Ring(Ceramic/SiC/TC)
 Secondary Seal(NBR/EPDM/VITON)

Equivalent
 MG13, N4



MECHANICAL SEALS - WE CAN HELP YOU WITH SIZING

	L					
N6-3/8"	9.52	23.8	22.225	6.20	16.02	22.22
N6-1/2"	12.7	26.97	25.40	8.00	16.60	24.60
N6-5/8"	15.875	30.94	31.75	10.30	18.20	28.50
N6-5/8" PAC	15.875	30.94	31.75	10.30	18.2	28.5
N6-5/8" OC	15.875	30.94	30.00	8.50	18.20	26.70
N6-5/8" TC	15.875	30.94	38.00	6.90	18.20	25.10
N6-3/4"	19.05	34.11	34.925	10.30	18.20	28.50
N6-3/4" PAC	19.05	34.11	34.925	10.3	18.2	25.1
N6-3/4" TC	19.05	34.11	38.00	6.90	18.20	25.10
N6-7/8"	22.225	36.30	38.10	10.30	20.10	30.94
N6-1"	25.40	42.85	41.275	11.10	20.63	31.73
N6-1" PAC	25.4	42.85	41.275	11.1	20.63	31.73

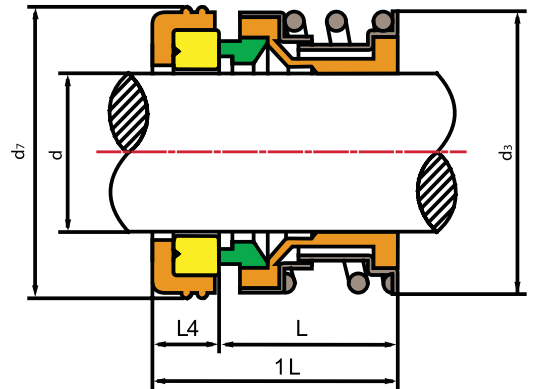


Operating Limits

Pressure: $\leq 1\text{MPa}$
 Speed: $\leq 10\text{ m/s}$
 Temperature: $-30^{\circ}\text{C} \sim +200^{\circ}\text{C}$

- Rotary Ring(Plastic Carbon/Carbon/SiC/TC)
- Stationary Ring(Ceramic/SiC/TC)
- Secondary Seal(NBR/EPDM/VITON)
- Spring & Other Parts(SUS304)

CCN = Carbon, Ceramic, Nitrile
 CCV = Carbon, Ceramic, Viton
 SSV = Silicon, Silicon, Viton





MECHANICAL SEALS - WE CAN HELP YOU WITH SIZING

			d3(boot)	d7	L	L4	L2	L3
N7-1/2"FT	12.0		26.0	25.0	20.8	5.0	6.0	8.0
N7-1/2"	12.7	28.57		25.4	19.2	8.0	5.0	8.0
N7- 1/2" M	12.0	30.0		25.0	18.0	5.0	5.0	8.0
N7-1/2"DC	12.7		32.0	25.4	21.8	5.0	5.2	9.0
N7-1/2" DCI	12.7		32.9	25.4	21.8	5.0	5.2	9.0
N7-1/2"HC	12.7	28.75		24.0		5.5	5.5	8.0
N7-5/8"	15.875	36.5		31.75	25.0	10.3	6.7	8.0
N7-5/8"DC	15.875		41.0	31.75	27.1	10.3	7.8	9.0
N7-5/8"FB	16.0	36.5		31.75		5.0	7.8	9.0
N7-5/8"FC	16.0		41.0	31.75	21.8	5.0	7.8	9.0
N7-5/8"TC	16.0	40.0		38.0		6.5	7.8	9.0
N7-3/4"	19.05	40.0		34.925	25.8	10.3	5.5	10.0
N7-3/4"PB	19.05		45.0	35.0	22.5	5.0	5.5	12.0
N7-3/4"HC	20.0	40.0		35.0		5.0	5.5	12.0
N7-3/4"TC	20.0	40.0		38.0		6.5	5.5	12.0
N7-1"	25.4	47.0		41.275	29.0	11.1	5.9	12.0
N7-1 1/8"	28.57	52.0		48.0	27.0	8.0	8.0	12.0
N7-25mm	25.0	46.0		44.0	25.0	7.0	8.0	10.0
N7-30mm	30.0		58.0	48.0	29.0	8.0	8.0	13.3

Equivalent
T68, T6A, B03

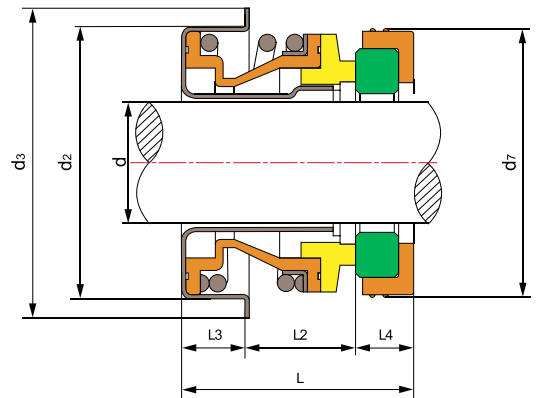


Operating Limits

Pressure: ≤0.3MPa
 Rotary Speed: ≤5000r/min
 Temperature: -30°C ~ +150°C
 Medium: Clean water, seawater, gas engine antifreeze

- Rotary Ring(Ceramic/SiC)
- Stationary Ring(Plastic Carbon/Carbon/SiC)
- Secondary Seal (NBR/EPDM/HNBR/VITON)
- Spring & Other Parts (SUS304/SUS316)

CCN = Carbon, Ceramic, Nitrile
 CCV = Carbon, Ceramic, Viton
 SSV = Silicon, Silicon, Viton



NUMBAT



MECHANICAL SEALS

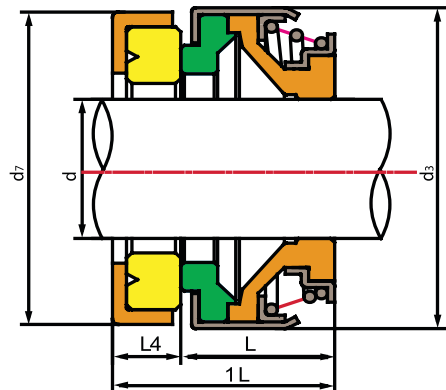
Part No	CCN Price	CCV Price	SSV Price	d	d3	d7	L4	L1	L
N8-6mm				6	18	22	4	10	14.0
N8-8mm S				8	18	22	4	11	15.0
N8-8mm M				8	20	26	5.5	11	16.5
N8-8mm				8	20	26	8	11	17.0
N8-10mm				10	24	26	8	11	19.0
N8-11mm				11	24	26	8	13	21.0
N8-12mm JS				12	24	26	5.5	13	18.5
N8-12mm				12	24	26	8	13	21.0
N8-1/2"				12.5	24	25.4	6.5/8	15	21.5/23
N8-13mm CL				13	24	26	5.5	13	18.5
N8-13mm				13	24	26	8	13	21.0
N8-14mm 25 S				14	28	25	5.5	15.5	21.0
N8-14mm M				14	28	26	8	13	21.0
N8-14mm STD				14	28	29.5	8	13	21.0
N8-14mm SPECK				14	28	25	7	13	20.0
N8-14mm CA				14	28	28.5	8	13	21.0
N8-14mm TE				14	28	30	8	13	21.0
N8-15mm S				15	28	28.5	8	13	21.0
N8-15mm M				15	28	30	8	13	21.0
N8-15mm STD				15	28	29.5	8	13	21.0
N8-15mm L				15	39	38	8	13	21.0
N8-16mm				16	28	29.5	8	13	21.0
N8-16mm S				16	28	30	8	13	21.0
N8-16mm L				16	28	38	8	13	21.0
N8-17mm				17	39	42	8	13	21.0
N8-18mm				18	39	42	8	13	21.0
N8-19mm				19	39	42	8	13	21.0
N8-20mm				20	39	42	8	13	21.0
N8-20mm L				20	42	45	10	13	23.0
N8-22mm S				22	36	45	10	16.5	26.5
N8-22mm M				22	39	42	8	13	21.0
N8-22mm L				22	42	50	10	13	23.0
N8-23mm				23	47	50	10	13.5	23.5
N8-24mm				24	47	50	10	13.5	23.5
N8-25mm S				25	42	39.3	8	13.5	21.5
N8-25mm				25	42	50	10	13.5	23.5
N8-26mm				26	47	50	10	13.5	23.5
N8-27mm				27	47	50	10	13.5	23.5
N8-28mm				28	54	57	10	15	25.0
N8-30mm				30	54	57	10	15	25.0
N8-32mm				32	54	57	10	15	25.0
N8-35mm				35	60	63	10	16	26.0
N8-38mm				38	65	68	12	18	30.0
N8-40mm				40	65	68	12	18	30.0
N8-45mm				45	70	73	12	20	32.0
N8-50mm				50	85	88	15	23	38.0
N8-55mm				55	85	88	15	23	38.0
N8-60mm				60	105	110	15	30	45.0
N8-65mm				65	105	110	15	32	47.0
N8-70mm				70	105	110	15	32	47.0

Equivalent
FA, B01, T55



Operating Limits

- Pressure: ≤0.6MPa
 Speed: ≤10m/s
 Temperature: -30°C ~ +200°C
- Rotary Ring(Plastic Carbon/Carbon/SiC/TC)
 - Stationary Ring(Ceramic/SiC/TC)
 - Secondary Seal(NBR/EPDM/VITON)
 - Spring & Other Parts(SUS304)
- CCN = Carbon, Ceramic, Nitrile
 CCV = Carbon, Ceramic, Viton
 SSV = Silicon, Silicon, Viton





MECHANICAL SEALS

N9 NUMBAT MECHANICAL SEAL

Part No	CCN Price	d	d3	d7	L1	L4	L
N9-7/8"		22.23	35	38.1	23.5	10.3	33.8
N9-25mm		25	40	41.3	26.5	11	37.5



Operating Limits

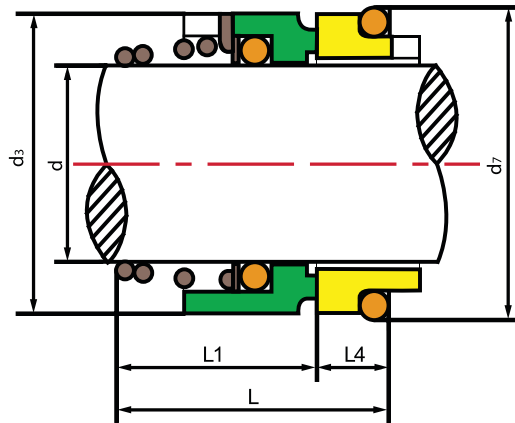
Pressure: ≤1MPa

Speed: ≤15m/s

Temperature: -20°C ~+180°C

- Rotary Ring(Carbon/SiC/TC)
- Stationary Ring(99%Ceramic/SiC/TC)
- Secondary Seal (NBR/EPDM/VITON/PTFE)
- Spring & Other Parts (SUS304)

CCN = Carbon, Ceramic, Nitrile



N32 NUMBAT MECHANICAL SEAL

Part No	CSV Price	d	d3	d7	L4	L1	L
N32-12mm		12	19	23	8	33.5	41.5



N36B NUMBAT MECHANICAL SEAL

Part No	SCV Price	d	d3	d7	L4	L1	L
N36B-16mm		16	26	27	9	32	41





MECHANICAL SEALS

N10 NUMBAT MECHANICAL SEAL

Part No	CCN Price	CCV Price	SSV Price	d	d3	d7	L1	L4	L
N10-10mm				10	20	18.1	15	5.5	20.5
N10-12mm				12	22	20.6	18	5.5	23.5
N10-13mm				13	25	23.1	22	6	28.0
N10-14mm				14	25	23.1	22	6	28.0
N10-14mm LA				14	25	23.1	18	6	24.0
N10-15mm				15	29	26.9	23	7	30
N10-16mm				16	29	26.9	23	7	30
N10-17mm				17	29	26.9	23	7	30
N10-18mm				18	33	30.9	24	8	32
N10-19mm				19	33	30.9	25.2	8	33.2
N10-20mm				20	33	30.9	25	8	33
N10-21mm				21	38	35.4	25	8	33
N10-22mm				22	38	35.4	25	8	33
N10-23mm				23	38	35.4	27	8	35
N10-24mm				24	38	35.4	27	8	35
N10-25mm				25	40	38.2	27	8.5	35.5
N10-28mm				28	46	43.3	30	9	39
N10-29mm				29	46	43.3	30	9	39
N10-30mm				30	46	43.3	30	9	39
N10-32mm				32	46	43.3	30	9	39
N10-33mm				33	50	53.5	39	11.5	50.5
N10-35mm				35	50	53.5	39	11.5	50.5
N10-38mm				38	60.5	60.5	39	11.5	50.5
N10-40mm				40	60.5	60.5	39	11.5	50.5

Equivalent
R3, Simplex

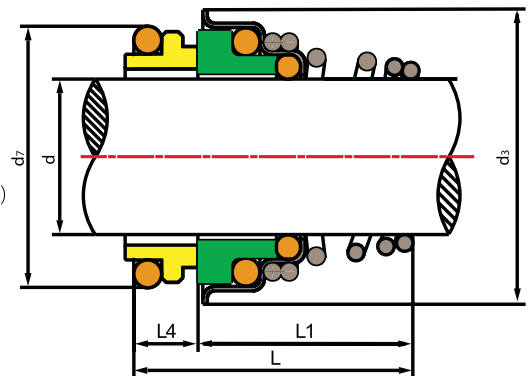


Operating Limits

Pressure: ≤1MPa
Speed: ≤15 m/s
Temperature: -30°C ~ +200°C

- Rotary Ring(Ceramic/SiC/TC)
- Stationary Ring(Plastic Carbon/Carbon/SiC/TC)
- Secondary Seal(NBR/EPDM/VITON)
- Spring & Other Parts(SUS304)

CCN = Carbon, Ceramic, Nitrile
CCV = Carbon, Ceramic, Viton
SSV = Silicon, Silicon, Viton





MECHANICAL SEALS

NR10 NUMBAT MECHANICAL SEAL

Part No	TCSV Price	d	d3	d7	L4	L1	L
NR10-12mm		12	20	20.6	5.5	18.2	23.7
NR10-14mm		14	23	23.1	6.0	22.2	28.2
NR10-18mm		18	29	30.9	8.0	24.2	32.2
NR10-20mm		20	30	30.9	8.0	25.2	33.2
NR10-22mm		22	34	35.4	8.0	25.2	33.2
NR10-24mm		24	35	35.4	8.0	27.2	35.2
NR10-25mm		25	37	38.2	8.5	27.2	35.7
NR10-32mm		32	45	43.3	9.0	30.2	39.2
NR10-40mm		40	56	60.5	11.5	39.2	50.7



Operating Limits

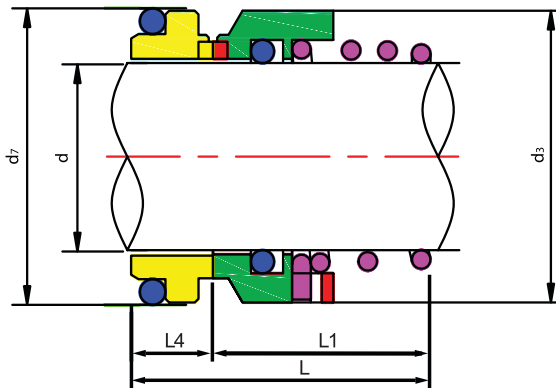
Pressure: $\leq 1\text{MPa}$

Speed: $\leq 15\text{ m/s}$

Temperature: $-30^{\circ}\text{C} \sim +200^{\circ}\text{C}$

- Rotary Ring(Ceramic/SiC/TC)
- Stationary Ring(Plastic Carbon/Carbon/SiC/TC)
- Secondary Seal(NBR/EPDM/VITON)
- Spring & Other Parts(SUS304)

TCSV = Tungsten, Carbon, Silicon & Viton





MECHANICAL SEALS



NU3 NUMBAT MECHANICAL SEAL

Part No	CCN Price	CSV Price	d	d3	d7	L1	L4	L
NU3-10mm	\$24.82	\$33.86	10	20	21	15	7	22
NU3-12mm	\$26.31	\$34.89	12	22	23	18	7	25
NU3-14mm	\$29.29	\$37.18	14	25	25	22	7	28
NU3-16mm	\$31.92	\$40.27	16	29	27	25	7	30
NU3-18mm	\$37.18	\$47.02	18	33	33	24	10	34
NU3-20mm	\$40.27	\$47.82	20	33	35	25	10	35
NU3-22mm	\$41.41	\$62.81	22	38	37	25	10	35
NU3-24mm	\$43.59	\$82.14	24	38	39	27	10	37
NU3-25mm	\$51.82	\$89.69	25	40	40	27	10	37
NU3-28mm	\$67.95	\$122.29	28	46	43	29	10	39
NU3-30mm	\$73.56	\$128.59	30	46	45	30	10	40
NU3-32mm	\$82.25	\$158.22	32	46	48	30	10	40
NU3-33mm	\$84.08	\$166.57	33	48	48	39	10	49
NU3-35mm	\$89.12	\$172.40	35	50	50	39	10	49
NU3-38mm	\$95.30	\$183.96	38	58	56	42	13	55
NU3-40mm	\$103.53	\$204.20	40	58	58	42	13	55

NUMBAT

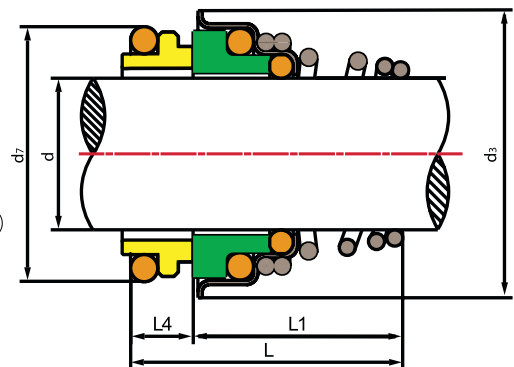
Equivalent
Uniten

Operating Limits

Pressure: ≤1MPa
Speed: ≤15 m/s
Temperature: -30°C ~ +200°C

- Rotary Ring(Ceramic/SiC/TC)
- Stationary Ring(Plastic Carbon/Carbon/SiC/TC)
- Secondary Seal(NBR/EPDM/VITON)
- Spring & Other Parts(SUS304)

CCN = Carbon, Ceramic, Nitrile
CSV = Carbon, Silicon, Viton



NU5 NUMBAT MECHANICAL SEAL

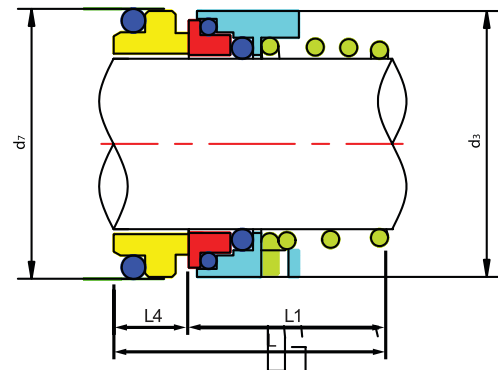
Part No	SCV Price	d	d3	d7	L1	L4	L
NU5-12mm L		12	22	23	8.4	22	30.4
NU5-16mm		16	28	26.9	9	25	33.9
NU5-22mm		22	37	35.4	8	30.2	38.2
NU5-22mm L52		22	42.8	37	12.3	39.5	51.8
NU5-25mm		25	40.5	38.2	8.5	33.2	41.7

Operating Limits

Pressure: ≤1MPa
Speed: ≤12 m/s
Temperature: -30°C ~ +200°C

- Rotary Ring(Plastic Carbon/Carbon/SiC/TC)
- Stationary Ring(Ceramic/SiC/TC)
- Secondary Seal(NBR/EPDM/VITON)
- Spring & Other Parts(SUS304)

SCV = Silicon, Carbon, Viton





MECHANICAL SEALS

N21 IMP NUMBAT MECHANICAL SEAL

Part No	CCN Price	CCV Price	SSV Price	d	d3	d7	L1	L4	L
N21-3/8"				9.52	23.5	22.23	22.5	6.3	28.5
N21-1/2"				12.7	26.0	25.4	22.5	7.9	30.1
N21-5/8"				15.875	30.0	31.750	22.5	10.3	32.5
N21-3/4"				19.05	32.5	34.93	22.5	10.3	32.5
N21-7/8"				22.225	37.5	38.1	23.8	10.3	34.1
N21-7/8" NSS				22.225	33.34	37.3	23.8	10.3	34.1
N21-1"				25.4	44.0	41.28	25.4	11.1	36.5
N21-1 1/8"				28.575	48.0	44.45	27.0	11.1	38.1
N21-1 1/8" NSS				28.58	48.0	44.35	27.0	11.60	38.60
N21-1 1/8" RSS				28.575	46.02	47.65	26.97	11.9	38.87
N21-1 1/4"				31.75	50.0	47.63	27.0	11.1	38.1
N21-1 1/4" MC				31.75	46.0	47.7	25.0	9.0	34.0
N21-1 3/8"				34.925	54.5	50.8	28.6	11.1	39.7
N21-1 3/8" NSS				34.93	51.50	50.83	25.0	7.3	32.30
N21-1 3/8" RSS				34.925	52.37	54.0	28.58	11.9	40.48
N21-1 1/2"				38.1	58.5	53.98	28.6	11.1	39.7
N21-1 5/8"				41.275	64.0	60.33	34.9	12.7	47.6
N21-1 5/8" NSS				41.28	64.0	57.0	35.0	12.70	47.70
N21-1 5/8" RSS				41.275	63.5	60.35	34.93	11.9	46.83
N21-1 3/4"				44.45	67.0	63.5	34.9	12.7	47.6
N21-1 7/8"				47.625	71.0	66.68	38.1	12.7	50.8
N21-2"				50.8	73.5	69.85	38.1	12.7	50.8
N21-2" RSS				50.8	73.03	69.85	38.1	13.5	51.6
N21-2 1/8"				53.975	75.6	76.2	42.9	14.3	57.2
N21-2 1/4"				57.15	80.0	79.38	42.9	14.3	57.2
N21-2 3/8"				60.325	79.6	82.55	42.9	14.3	57.2
N21-2 1/2"				63.5	84.9	85.73	46.0	14.3	60.3
N21-2 5/8"				66.675	84.6	85.725	49.2	15.9	65.1
N21-2 3/4"				69.85	93.0	88.9	49.2	15.9	65.1
N21-3"				76.2	102.0	98.425	52.4	15.9	68.3

Equivalent

T21, E43

Type 1 & Type 2 available

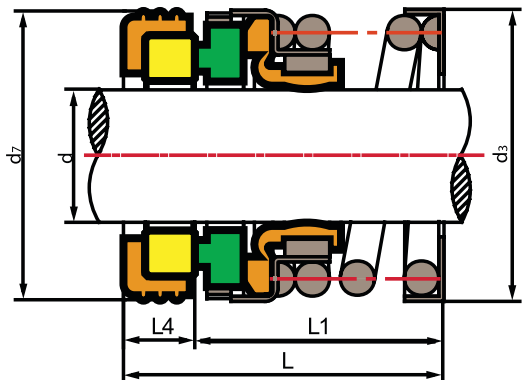


Operating Limits

Pressure: ≤1MPa
 Speed: ≤12 m/s
 Temperature: -30°C ~ +200°C

- Rotary Ring(Plastic Carbon/Carbon/SiC/TC)
- Stationary Ring(Ceramic/SiC/TC)
- Secondary Seal(NBR/EPDM/VITON)
- Spring & Other Parts(SUS304)

CCN = Carbon, Ceramic, Nitrile
 CCV = Carbon, Ceramic, Viton
 SSV = Silicon, Silicon, Viton





MECHANICAL SEALS

Part No	CCN Price	CCV Price	SSV Price	d	d3	d7	L1	L4	L
N21-10mm				10.00	20.60	21.00	26.5	6.00	32.5
N21-12mm				12.00	22.00	23.00	25.9	6.60	32.5
N21-14mm				14.00	24.00	25.00	27.0	8.00	35.0
N21-16mm				16.00	26.00	27.00	27.0	8.00	35.0
N21-18mm				18.00	32.00	33.00	27.5	10.00	37.5
N21-20mm				20.00	34.00	35.00	27.5	10.00	37.5
N21-22mm				22.00	37.00	37.00	27.5	10.00	37.5
N21-24mm				24.00	39.00	39.00	30.0	10.00	40.0
N21-24mm Imp				24.00	39.00	41.30	29.5	10.50	40.0
N21-25mm				25.00	39.00	40.00	30.0	10.00	40.0
N21-28mm				28.00	42.00	43.00	32.5	10.00	42.5
N21-30mm				30.00	44.00	45.00	32.5	10.00	42.5
N21-32mm				48.00	32.5	10.00			42.5
N21-32mm Imp					47.70	31.5	11.00		42.5
N21-32mm P/C				50.00	30.5	9.50			40.0
N21-33mm				33.00	47.00	48.00	32.5	10.00	42.5
N21-35mm				35.00	49.00	50.00	32.0	10.50	42.5
N21-38mm				38.00	54.00	56.00	34.0	11.00	45.0
N21-40mm				40.00	56.00	58.00	34.5	10.50	45.0
N21-43mm				43.00	59.00	61.00	32.5	12.70	45.0
N21-44mm				44.00	62.50	66.00	32.5	11.00	43.5
N21-44mm Imp				44.00	62.50	63.50	32.5	11.00	43.5
N21-44mm ER				44.00	62.50	75.00	32.5	9.50	42.0
N21-45mm				45.00	62.00	63.00	34.5	10.50	45.0
N21-48mm				64.00	66.00	34.5	10.50		45.0
N21-48mm MG				64.00	69.90	32.3		12.70	45.0
N21-50mm				66.00	70.00	36.5		11.00	47.5
N21-50mm L/X				50.00	66.00	78.00	34.8	12.70	47.5
N21-53mm				53.00	69.00	73.00	36.0	11.50	47.5
N21-55mm				55.00	72.00	75.00	35.5	12.00	47.5
N21-58mm				58.00	80.00	78.00	40.5	12.00	52.5
N21-60mm				60.00	80.00	80.00	40.5	12.00	52.5
N21-60mm ET				60.00	80.00	82.55	39.8	12.70	52.5
N21-63mm				63.00	83.00	83.00	40.5	12.00	52.5
N21-65mm				65.00	85.00	85.00	39.5	13.00	52.5
N21-68mm				68.00	88.00	90.00	41.2	11.30	52.5
N21-70mm				70.00	90.00	92.00	48.7	11.30	60.0
N21-73mm				73.00	99.00	93.00	48.7	11.30	60.0
N21-75mm				75.00	99.00	97.00	48.7	11.30	60.0

Equivalent - 521, 52, E43DIN

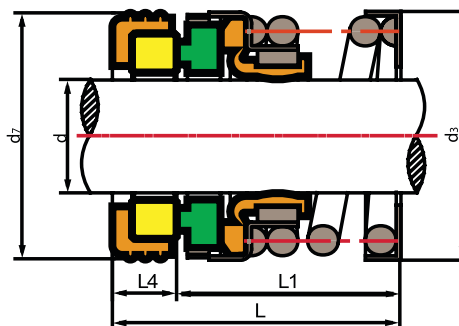


Operating Limits

Pressure: ≤1MPa
 Speed: ≤12 m/s
 Temperature: -30°C ~ +200°C

- Rotary Ring(Plastic Carbon/Carbon/SiC/TC)
- Stationary Ring(Ceramic/SiC/TC)
- Secondary Seal(NBR/EPDM/VITON)
- Spring & Other Parts(SUS304)

CCN = Carbon, Ceramic, Nitrile
 CCV = Carbon, Ceramic, Viton
 SSV = Silicon, Silicon, Viton





MECHANICAL SEALS

N560 NUMBAT MECHANICAL SEAL

Part No	CCN Price	CCV Price	SSV Price	d	d3	d7	L1	L4	L
N560-10mm				10.00	23.50	24.00	18.0	7.00	25.0
N560-11mm				11.00	23.50	24.00	18.0	7.00	25.0
N560-12mm				12.00	26.00	26.00	18.0	7.00	25.0
N560-14mm				14.00	28.00	28.00	18.5	7.00	25.5
N560-15mm				15.00	30.00	28.00	22.5	7.00	29.5
N560-16mm				16.00	32.00	32.00	23.5	10.00	33.5
N560-18mm				18.00	32.50	35.00	26.5	10.00	36.5
N560-19mm				19.00	32.50	35.00	26.5	10.00	36.5
N560-20mm				20.00	35.50	38.00	28.0	10.00	38.0
N560-22mm				22.00	37.50	40.00	30.3	10.00	40.3
N560-25mm				25.00	42.00	44.00	29.3	10.00	39.3
N560-28mm				28.00	47.00	46.00	30.0	10.00	40.0
N560-30mm				30.00	48.00	50.00	30.0	10.00	40.0
N560-32mm				32.00	50.00	54.00	30.0	10.00	40.0
N560-35mm				35.00	54.50	58.00	32.0	10.00	42.0
N560-38mm				38.00	58.50	60.00	32.6	10.00	42.6
N560-40mm				40.00	62.50	64.00	32.6	10.00	42.6
N560-45mm				45.00	66.50	66.00	35.0	10.00	45.0
N560-50mm				50.00	72.50	72.00	43.1		54.6
N560-55mm				55.00	72.00	75.00	47.4	12.00	50.4
N560-60mm				60.00	80.00	80.00	51.0	12.00	
N560-65mm				65.00	85.00	85.00	51.0	13.00	
N560-70mm				70.00	92.00	92.00	49.0	11.00	
N156-30mm	-			30.00	47.00	50.00	26.50	8.7	35.2

Equivalent
EA560

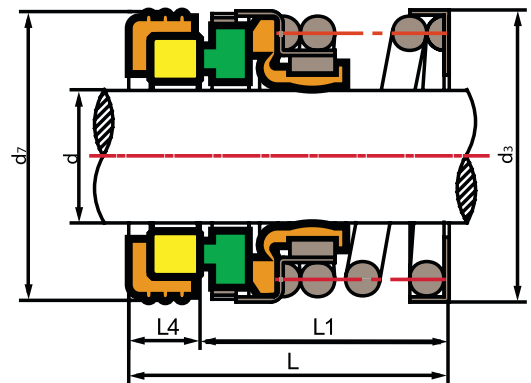


Operating Limits

Pressure: ≤1MPa
 Speed: ≤12 m/s
 Temperature: -30°C ~ +200°C

- Rotary Ring(Plastic Carbon/Carbon/SiC/TC)
- Stationary Ring(Ceramic/SiC/TC)
- Secondary Seal(NBR/EPDM/VITON)
- Spring & Other Parts(SUS304)

CCN = Carbon, Ceramic, Nitrile
 CCV = Carbon, Ceramic, Viton
 SSV = Silicon, Silicon, Viton





MECHANICAL SEALS

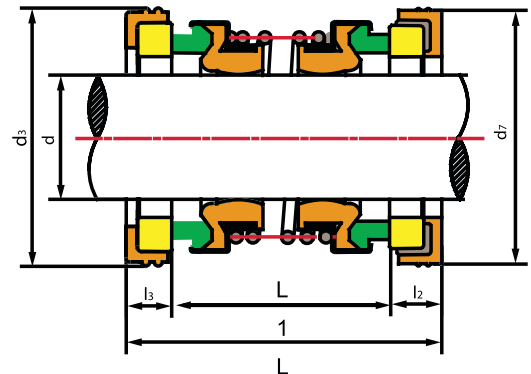
Part No	CCN Price	CCV Price	SSV Price	d	d3	d7	L1	L2	L3	L
N560D-13mm				13.00	25.00	25.00	36.00	5.00	5.00	46.00
N560D-14mm				14.00	30.00	30.00	37.00	5.00	5.00	47.00
N560D-15mm				15.00	30.00	30.00	37.00	5.00	5.00	47.00
N560D-16mm				16.00	30.00	30.00	37.00	5.00	5.00	47.00
N560D-18mm				18.00	35.00	38.00	49.00	7.00	10.00	66.00
N560D-19mm				19.00	35.00	38.00	49.00	7.00	10.00	66.00
N560D-20mm				20.00	38.00	44.00	49.00	7.00	7.00	63.00
N560D-20mm				20.00	38.00	38.00	50.00	7.50	8.60	66.10
N560D-24mm				24.00	39.00	44.00	51.00	7.00	7.00	65.00
N560D-24mm				24.00	38.00	50.00	51.00	8.00	8.60	67.60
N560D-25mm				25.00	44.00	50.00	51.00	7.00	7.00	60.80
N560D-25mm				25.00	44.00	44.00	50.00	8.00	8.60	66.60
N560D-30mm				30.00	44.00	57.00	60.00	10.70	10.70	81.40
N560D-30mm				30.00	50.00	57.00	60.00	8.00	9.00	77.00
N560D-30/35mm				35.00	57.00	58.00	60.00	11.00	10.00	81.00
N560D-35mm				35.00	54.00	64.00	60.00	9.00	9.00	78.00
N560D-35mm				35.00	58.00	58.00	60.00	10.70	10.70	81.40
N560D-40mm				40.00	68.00	70.00	65.00	12.00	12.00	89.00
N560D-40mm				40.00	64.00	70.00	65.00	11.00	9.00	85.00
N560D-45mm				45.00	66.00	70.00	65.00	10.00	9.00	84.00
N560D-50mm				50.00	72.00	80.00	69.00	10.00	9.00	88.00

Operating Limits

Pressure: ≤0.3MPa
 Speed: ≤10 m/s
 Temperature: -30°C ~ +200°C

- Rotary Ring(Plastic Carbon/Carbon/SiC/TC)
- Stationary Ring(Ceramic/SiC/TC)
- Secondary Ring(NBR/EPDM/VITON)
- Spring and Other Parts(SUS304)

CCN = Carbon, Ceramic, Nitrile
 CCV = Carbon, Ceramic, Viton
 SSV = Silicon, Silicon, Viton





MECHANICAL SEALS

				L1	L4	L
N2100-10mm	10.00	20.00	21.00	15.0	5.00	21.0
N2100-12mm	12.00	22.00	23.00	15.0	6.00	21.0
N2100-14mm	14.00	24.00	25.00	15.0	6.00	21.0
N2100-15mm	15.00	25.00	26.00	15.0	6.00	21.0
N2100-16mm	16.00	26.00	27.00	15.0	6.00	21.0
N2100-18mm	18.00	32.00	33.00	20.0	6.00	26.0
N2100-20mm	20.00	34.00	35.00	20.0	6.00	26.0
N2100-22mm	22.00	36.00	37.00	20.0	6.00	26.0
N2100-24mm	24.00	38.00	39.00	20.0	6.00	26.0
N2100-25mm	25.00	39.00	40.00	20.0	6.00	26.0
N2100-28mm	28.00	42.00	43.00	26.0	6.00	33.0
N2100-30mm	30.00	44.00	45.00	26.0	7.00	33.0
N2100-32mm	32.00	46.00	48.00	26.0	7.00	33.0
N2100-33mm	33.00	47.00	48.00	26.0	7.00	33.0
N2100-35mm	35.00	49.00	50.00	26.0	8.00	34.0
N2100-38mm	38.00	54.00	56.00	30.0	8.00	38.0
N2100-40mm	40.00	56.00	58.00	30.0	8.00	38.0
N2100-43mm	43.00	59.00	61.00	30.0	8.00	38.0
N2100-45mm	45.00	61.00	63.00	30.0	8.00	38.0
N2100-48mm	48.00	64.00	66.00	30.0	10.00	40.0
N2100-50mm	50.00	66.00	70.00	30.0	10.00	40.0
N2100-53mm	53.00	69.00	73.00	30.0	10.00	40.0
N2100-55mm	55.00	71.00	75.00	30.0	10.00	40.0
N2100-58mm	58.00	78.00	78.00	33.0	10.00	43.0
N2100-60mm	60.00	80.00	80.00	33.0	12.70	45.7
N2100-63mm	63.00	83.00	83.00	33.0	12.70	45.7
N2100-65mm	65.00	85.00	85.00	33.0	12.70	45.7
N2100-68mm	68.00	88.00	90.00	33.0	12.00	45.0
N2100-70mm	70.00	90.00	92.00	33.0	12.70	45.7
N2100-75mm	75.00	99.00	97.00	40.0	12.70	52.7
N2100-80mm	80.00	104.00	105.00	40.0	14.00	54.0
N2100-85mm	85.00	109.00	110.00	40.0	14.00	54.0
N2100-90mm	90.00	114.00	115.00	40.0	14.00	54.0
N2100-95mm	95.00	119.00	120.00	40.0	14.00	54.0
N2100-100mm	100.00	124.00	125.00	40.0	14.00	54.0

Equivalent

HC1, B05, B052

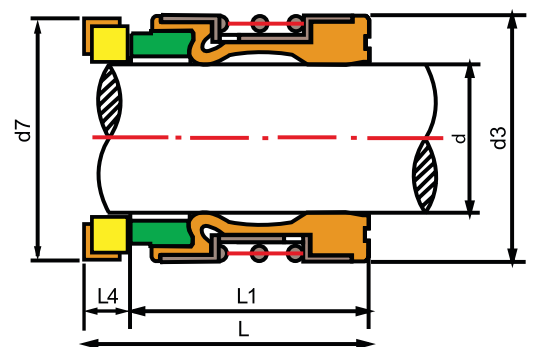


Operating Limits

Pressure: ≤1.6MPa
 Speed: ≤15 m/s
 Temperature: -30°C ~ +150°C

- Rotary Ring(Carbon/SiC/TC)
- Stationary Ring(Ceramic/SiC/TC)
- Secondary Seal(NBR/EPDM/VITON)
- Spring & Other Parts(SUS304)

CCN = Carbon, Ceramic, Nitrile
 CSV = Carbon, Silicon, Viton
 SSV = Silicon, Silicon, Viton





MECHANICAL SEALS

N2100K NUMBAT MECHANICAL SEAL

Part No	CCN Price	CSV Price	SSV Price	d	d3	d7	L1	L4	L
N2100K-10mm				10.00	20.00	21.00	27.5	5.00	32.50
N2100K-12mm				12.00	22.00	23.00	26.5	6.00	32.50
N2100K-14mm				14.00	24.00	25.00	29.0	6.00	35.0
N2100K-15mm				15.00	25.00	26.00	29.0	6.00	35.0
N2100K-16mm				16.00	26.00	27.00	29.0	6.00	35.0
N2100K-18mm				18.00	32.00	33.00	31.5	6.00	37.5
N2100K-20mm				20.00	34.00	35.00	31.5	6.00	37.5
N2100K-22mm				22.00	36.00	37.00	31.5	6.00	37.5
N2100K-24mm				24.00	38.00	39.00	34.0	6.00	40.0
N2100K-25mm				25.00	39.00	40.00	34.0	6.00	40.0
N2100K-28mm				28.00	42.00	43.00	36.5	6.00	42.5
N2100K-30mm				30.00	44.00	45.00	35.5	7.00	42.5
N2100K-32mm				32.00	46.00	48.00	35.5	7.00	42.5
N2100K-33mm				33.00	47.00	48.00	35.5	7.00	42.5
N2100K-35mm				35.00	49.00	50.00	34.5	8.00	42.5
N2100K-38mm				38.00	54.00	56.00	37.0	8.00	45.0
N2100K-40mm				40.00	56.00	58.00	37.0	8.00	45.0
N2100K-43mm				43.00	59.00	61.00	37.0	8.00	45.0
N2100K-45mm				45.00	61.00	63.00	37.0	8.00	45.0
N2100K-48mm				48.00	64.00	66.00	37.0	10.00	45.0
N2100K-50mm				50.00	66.00	70.00	37.5	10.00	47.5
N2100K-53mm				53.00	69.00	73.00	37.5	10.00	47.5
N2100K-55mm				55.00	71.00	75.00	37.5	10.00	47.5
N2100K-58mm				58.00	78.00	78.00	42.5	10.00	52.5
N2100K-60mm				60.00	80.00	80.00	40.5	12.00	52.5
N2100K-63mm				63.00	83.00	83.00	40.5	12.00	52.5
N2100K-65mm				65.00	85.00	85.00	40.5	12.00	52.5
N2100K-68mm				68.00	88.00	90.00	40.5	12.00	52.5
N2100K-70mm				70.00	90.00	92.00	48.0	12.00	60.0
N2100K-75mm				75.00	99.00	97.00	48.0	12.00	60.0
N2100K-80mm				80.00	104.00	105.00	47.5	14.00	61.50
N2100K-85mm				85.00	109.00	110.00	47.5	14.00	61.50
N2100K-90mm				90.00	114.00	115.00	52.5	14.00	66.50
N2100K-95mm				95.00	119.00	120.00	52.5	14.00	66.50
N2100K-100mm				100.00	124.00	125.00	52.5	14.00	66.50

Equivalent

HC12, B05, B052

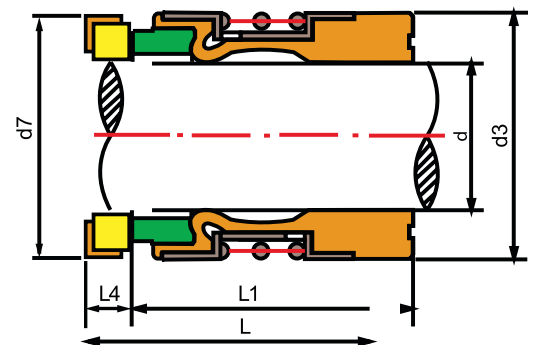


Operating Limits

Pressure: ≤1.6MPa
 Speed: ≤15 m/s
 Temperature: -30°C ~ +150°C

- Rotary Ring(Carbon/SiC/TC)
- Stationary Ring(Ceramic/SiC/TC)
- Secondary Seal(NBR/EPDM/VITON)
- Spring & Other Parts(SUS304)

CCN = Carbon, Ceramic, Nitrile
 CSV = Carbon, Silicon, Viton
 SSV = Silicon, Silicon, Viton





MECHANICAL SEALS

N502 NUMBAT MECHANICAL SEAL

Part No	CCN Price	CCV Price	SSV Price	d	d3	d7	L1	L4	L
N502-12mm				12.00	22.60	22.50	20.5	12.00	32.5
N502-14mm				14.00	24.00	25.00	23.0	12.00	35.0
N502-16mm				16.00	26.00	27.00	23.0	12.00	35.0
N502-18mm				18.00	32.00	33.00	24.0	13.50	37.5
N502-20mm				20.00	34.00	35.00	24.0	13.50	37.5
N502-22mm				22.00	36.00	37.00	26.50	13.50	37.5
N502-24mm				24.00	38.00	39.00	26.70	13.30	40.0
N502-25mm				25.00	39.00	40.00	27.0	13.00	40.0
N502-28mm				28.00	42.00	43.00	30.0	12.50	42.5
N502-30mm				30.00	44.00	45.00	30.50	12.00	42.5
N502-32mm				32.00	46.00	48.00	30.50	12.00	42.5
N502-33mm				33.00	47.00	48.00	30.50	12.00	42.5
N502-35mm				35.00	49.00	50.00	30.50	12.00	42.5
N502-38mm				38.00	54.00	56.00	32.0	13.00	45.0
N502-40mm				40.00	56.00	58.00	32.0	13.00	45.0
N502-43mm				43.00	59.00	61.00	32.0	13.00	45.0
N502-45mm				45.00	61.00	63.00	32.0	13.00	45.0
N502-48mm				48.00	64.00	66.00	32.0	13.00	45.0
N502-50mm				50.00	66.00	70.00	34.0	13.50	47.5
N502-53mm				53.00	69.00	73.00	34.0	13.50	47.5
N502-55mm				55.00	71.00	75.00	34.0	13.50	47.5
N502-58mm				58.00	78.00	78.00	39.0	13.50	52.5
N502-60mm				60.00	80.00	80.00	39.0	13.50	52.5
N502-63mm				63.00	83.00	83.00	39.0	13.50	52.5
N502-65mm				65.00	85.00	85.00	39.0	13.50	52.5
N502-68mm				68.00	88.00	90.00	39.0	13.50	52.5
N502-70mm				70.00	89.00	92.00	45.5	14.50	60.0
N502-75mm				75.00	96.00	97.00	45.5	14.50	60.0
N502-80mm				80.00	104.00	105.00	45.0	15.00	60.0
N502-85mm				85.00	108.00	110.00	45.0	15.00	60.0
N502-90mm				90.00	114.00	115.00	50.0	15.00	65.0
N502-95mm				95.00	118.00	120.00	50.0	15.00	65.0
N502-100mm				100.00	124.00	125.00	50.0	15.00	65.0

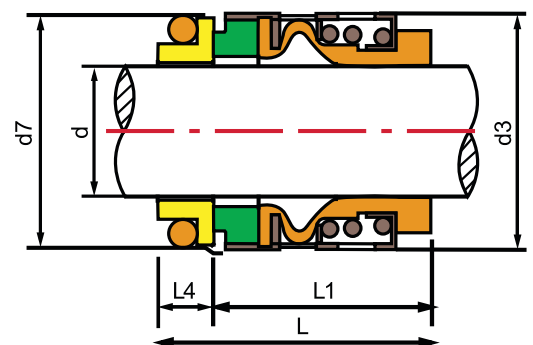


Operating Limits

Pressure: ≤ 4 MPa
 Speed: ≤ 13 m/s
 Temperature: $-30^{\circ}\text{C} \sim +200^{\circ}\text{C}$

- Rotary Ring (Carbon/SiC/TC)
- Stationary Ring (99% Ceramic/SiC/TC)
- Secondary Seal (VITON/NBR/EPDM)
- Spring & Other Parts (SUS304)

CCN = Carbon, Ceramic, Nitrile
 CCV = Carbon, Ceramic, Viton
 SSV = Silicon, Silicon, Viton





MECHANICAL SEALS

**RICAMBI SEAL & O-RING KITS (To Suit Flygt Pumps)****2000 SERIES**

Part No	Suit Pump	Each
RFL-CA66	Seal Kit To Suit 2066 Pump	
RFL-CB02.040	Seal Kit to suit 2102.040 Pump	
RFL-CB02.041	Seal Kit to suit 2102.041 Pump	
RFL-CB25/40S	Seal Kit to suit 2125 & 2140 Pump	
RFL-CB51.010	Seal Kit to suit 2151.010 Pump	
RFL-CB51.011	Seal Kit to suit 2151.011 Pump	
RFL-CC01.010	Seal Kit to suit 2201.010 Pump	
RFL-CC01.011LT	Seal Kit to 2201.011LT Pump	
RFL-CC01.011S	Seal Kit to 2201.011 Pump	
RFL-CC50	Seal Kit to suit 2250 Pump	
RFL-CE00	Seal Kit to suit 2400 Pump	
RFL-CG20	Seal & O-Ring kit to suit 2620 pump	
RFL-CG40	Cartridge Seal & O Ring Kit to suit 2640 Pump	
RFL-CG60	Seal kit to suit 2660 pump	
RFL-CG70	Seal kit to suit 2670 pump	

- To suit Flygt pumps
- High quality construction
- Proven performance
- Bearing sizes available on request



MECHANICAL SEALS

RICAMBI SEAL & O-RING KITS (To Suit Flygt Pumps)**3000 SERIES**

Part No	Suit Pump	Each
RFL-DA57/67S	Seal Kit to suit 3057/3067 Pump	
RFL-DA68S	Seal Kit to suit 3068 Pump	
RFL-DA82	Seal & O-Ring Kit to suit 3082 pump	
RFL-DA85S	Seal Kit to suit 3085 Pump	
RFL-DB01	Seal & O-Ring Kit to suit 3101 pump	
RFL-DB02S	Seal Kit to suit 3102 Pump	
RFL-DB26	Seal Kit to suit 3126 Pump	
RFL-DB27S	Seal Kit to suit 3127 Pump	
RFL-DB40/52S	Seal & O-Ring Kit to suit 3140 & 3152 pumps	
RFL-DB51	Seal & O-Ring Kit to suit 3151 pump	
RFL-DB53	Seal Kit to suit 3153 Pump	
RFL-DB70/DC01S	Seal Kit to suit 3170/3201 Pump	
RFL-DB71	Seal & O-Ring Kit to suit 3171 (Cartridge) pump	
RFL-DC02	Mechanical Seal & O-Ring Kit to Suit 3202	
RFL-DD00	Seal Kit to suit 3300 Pump	
RFL-DD01	Seal Kit to suit 3301 Pump	
RFL-ED51	Seal & O-Ring Kit to suit 4351 mixer	
RFL-EE40	Seal & O-Ring Kit to suit 4440 (Upper/Lower) mixer	
RFL-EG10	Seal & O Ring Kit to suit 4610 Pump	
RFL-EG40	Seal & O Ring Kit to Suit 4640.410	
RFL-EG50/60	Seal & O-Ring Kit to suit 4650.410 & 4660.410	
RFL-EG50/60P	Seal & O-Ring Kit to suit 4650 & 4650 (Cartridge) mixer	
RFL-EG70	Seal & O-Ring Kit to suit 4670 (Upper/Lower) mixer	



- To suit Flygt pumps
- High quality construction
- Proven performance
- Bearing sizes available on request



BORE PUMP ACCESSORIES

PVC SHROUD ADAPTOR

Part No	Size	Each	Qty of 5
SA10032	32 x 100mm	\$78.25	
SA10040	40 x 100mm	\$78.25	
SA10050	50 x 100mm	\$78.25	



BORE CAP

Part No	Size	Each
BC32	32mm BSPF	
BC40	40mm BSPF	
BC50	50mm BSPF	



BORE ADAPTOR KIT

Part No	Size	Each
BAK32	32mm	
BAK40	40mm	
BAK50	50mm	

- Convenient kit including:
 - Bore Cap
 - Gal Riser
 - Hose Clamps
 - PVC Shroud Adaptor
 - Gal Socket
 - Rivets



STAINLESS STEEL WIRE ROPE

Part No	Structure	Size	Material	Each
SSWR40	7 x 9	4mm x 305m Spool	316SS	
SSG40	Wire Grip	4mm	316SS	

- 316SS marine grade
- Metallurgical lab quality





BRAIDED HOSE

		Each	Qty of 10+
308.0303	1/2" - M/F - Suction - 300mm length	\$26.54	
308.0304	1/2" - M/F - Suction - 400mm length	\$29.51	
308.0305	1/2" - M/F - Suction - 500mm length	\$32.51	
308.0306	1/2" - M/F - Suction - 600mm length	\$35.52	
308.0308	1/2" - M/F - Suction - 800mm length	\$41.94	
308.0310	1/2" - M/F - Suction - 1000mm length	\$47.93	

- 1/2" BSPM x 1/2" BSPF nut
- Working temperature: up to 90° C
- Working pressure: up to 16 Bar
- 13mm internal
- Suction rated
- Non kink
- Internal corrugated HDPE tube
- 304 grade SS braiding
- Fibre gasket included

**3/4" MAXAFLEX STAINLESS STEEL BRAIDED HOSE**

Part No	Size	Each	Qty of 10+
308.0403	3/4" - M/F - Suction - 300mm length	\$38.50	
308.0404	3/4" - M/F - Suction - 400mm length	\$43.64	
308.0405	3/4" - M/F - Suction - 500mm length	\$48.36	
308.0406	3/4" - M/F - Suction - 600mm length	\$53.48	
308.0408	3/4" - M/F - Suction - 800mm length	\$63.31	
308.0410	3/4" - M/F - Suction - 1000mm length	\$72.88	

- 3/4" BSPM x 3/4" BSPF nut
- Working temperature: +70° C
- Working pressure: 16 Bar
- 19mm internal
- Suction rated
- Non kink
- Internal corrugated HDPE tube
- 304 grade SS braiding
- Fibre gasket included

**1" MAXAFLEX STAINLESS STEEL BRAIDED HOSE**

Part No	Size	Each	Qty of 10+
308.2503	1" - F/F - Suction - 300mm length FM/FM	\$49.61	
308.2504	1" - F/F - Suction - 400mm length FM/FM	\$52.38	
308.2506	1" - F/F - Suction - 600mm length FM/FM	\$59.50	
308.2508	1" - F/F - Suction - 800mm length FM/FM	\$71.07	

- 1" BSPF x 1" BSPF nut
- Working temperature: up to 110° C
- Working pressure: up to 16 Bar
- 25mm internal
- Suction rated
- Non kink
- Internal corrugated HDPE tube
- 304 grade SS braiding
- Fibre gasket included





BRAIDED HOSE



		Each	Qty of 10+
308.0503	1" - M/F - Suction - 300mm length	\$46.39	
308.0504	1" - M/F - Suction - 400mm length	\$52.38	
308.0505	1" - M/F - Suction - 500mm length	\$60.18	
308.0506	1" - M/F - Suction - 600mm length	\$65.23	
308.0508	1" - M/F - Suction - 800mm length	\$71.07	
308.0510	1" - M/F - Suction - 1000mm length	\$84.62	
308.0512	1" - M/F - Suction - 1200mm length	\$115.69	
308.0515	1" - M/F - Suction - 1500mm length	\$139.55	
308.0520	1" - M/F - Suction - 2000mm length	\$148.20	

- 1" BSPM x 1" BSPF nut
- Working temperature: up to 110° C
- Working pressure: up to 16 Bar
- 25mm internal
- Suction rated
- Non kink
- Internal corrugated HDPE tube
- 304 grade SS braiding
- Fibre gasket included

1 1/4" MAXAFLEX STAINLESS STEEL BRAIDED HOSE



Part No	Size	Each	Qty of 10+
308.0603	1 1/4" - M/F - Suction - 300mm length	\$110.44	
308.0604	1 1/4" - M/F - Suction - 400mm length	\$114.37	
308.0605	1 1/4" - M/F - Suction - 500mm length	\$118.08	
308.0606	1 1/4" - M/F - Suction - 600mm length	\$131.21	
308.0608	1 1/4" - M/F - Suction - 800mm length	\$153.85	
308.0610	1 1/4" - M/F - Suction - 1000mm length	\$176.99	

- Male & Female
- Working temperature: up to 110° C
- Working pressure: up to 16 Bar
- 1 1/4" BSP
- 32.5mm internal
- Suction rated
- Non kink
- Internal corrugated HDPE tube
- 304 grade SS braiding
- Fibre gasket included

1 1/2" MAXAFLEX STAINLESS STEEL BRAIDED HOSE



Part No	Size	Each	Qty of 10+
308.0703	1 1/2" - M/F - 300mm length	\$171.96	
308.0704	1 1/2" - M/F - 400mm length	\$183.97	
308.0705	1 1/2" - M/F - 500mm length	\$196.80	
308.0706	1 1/2" - M/F - 600mm length	\$209.63	
308.0708	1 1/2" - M/F - 800mm length	\$235.30	
308.0710	1 1/2" - M/F - 1000mm length	\$256.67	

- 1 1/2" BSPM x 1 1/2" BSPF nut
- Working temperature: up to 110° C
- Working pressure: up to 12 Bar
- 36mm internal
- Non kink
- Internal corrugated HDPE tube
- 304 grade SS braiding
- Fibre gasket included
- Suction rated



BRAIDED HOSE

2" MAXAFLEX STAINLESS STEEL BRAIDED HOSE

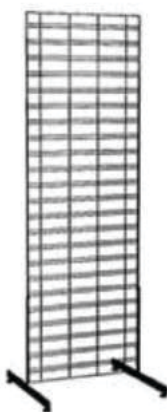
Part No	Size	Each	Qty of 10+
308.0803	2" - M/F - 300mm length	\$265.23	
308.0804	2" - M/F - 400mm length	\$282.33	
308.0805	2" - M/F - 500mm length	\$295.17	
308.0806	2" - M/F - 600mm length	\$312.29	
308.0808	2" - M/F - 800mm length	\$342.23	
308.0810	2" - M/F - 1000mm length	\$372.18	

- 2" BSPM x 2" BSPF nut
- Working temperature: up to 110° C
- Working pressure: up to 12 Bar
- 48mm internal
- Internal corrugated HDPE tube
- 304 grade SS braiding
- Fibre gasket included

GASKETS SUIT FLEXIBLE HOSES

Part No	Size	Each	Qty of 10+
360.002	3/8" - Fibrous	\$0.22	
360.003	1/2" - Fibrous	\$0.34	
360.004	3/4" - Fibrous	\$0.34	
360.005	1" - Fibrous	\$0.60	
360.006	1 1/4" - Fibrous	\$0.85	
360.007	1 1/2" - Fibrous	\$1.30	
360.008	2" - Fibrous	\$1.72	
360.009	2 1/2" - Fibrous	\$5.99	
360.010	3" - Fibrous	\$6.84	

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For assistance locating a distributor, contact Michael: 0488 917 285 or micheal@irrigationdirect.com.au