



PUMPSDIRECT

ONE STOP SHOP

Solar Pumps

Nastec

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



Nastec Pumps





SUND SOLAR POOL PUMPS SERIES

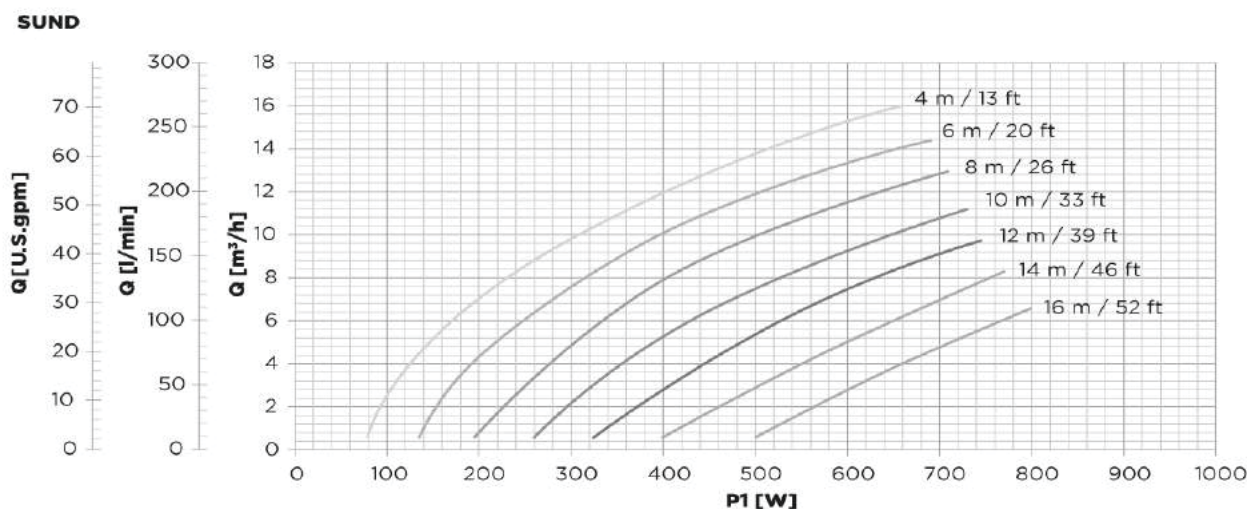
SUND



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

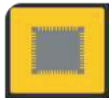


Motor.

- 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



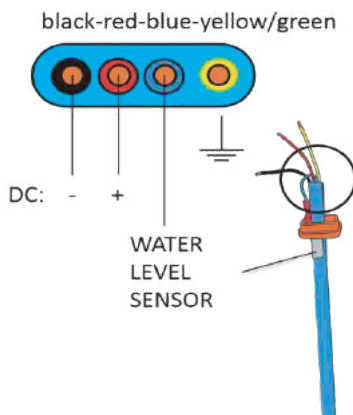
NERA solar pumps have been developed to meet the needs of low-power and low-cost pumping systems without sacrificing quality, reliability and performance.

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
	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
	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.

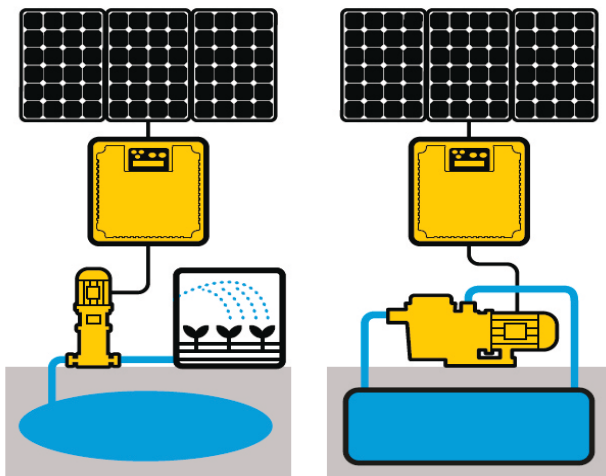
In this way it's possible to convert old systems in renewable energy installations or to use the same AC pumps in the creation of independent, cost-saving and environmentally sustainable water systems.

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
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	
			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)
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

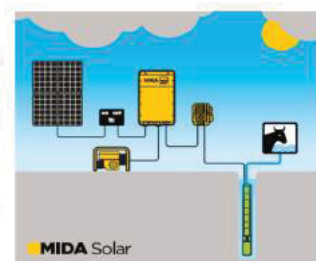
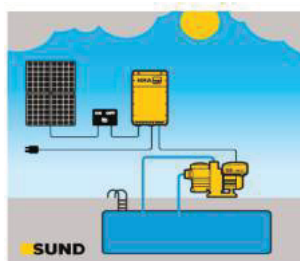
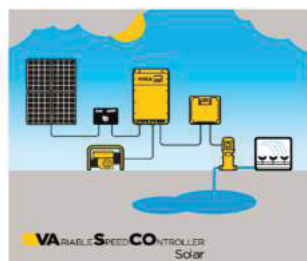
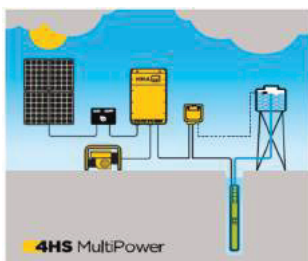


HMA is an electronic device for switching between power sources that integrates multiple functions:

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



Part #	Description	I MAX	VDC	VAC
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.

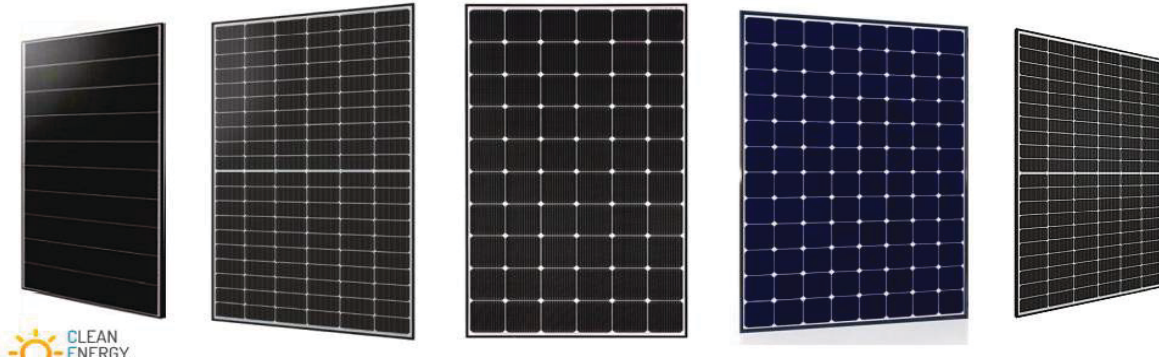
- Nastec MIDA Multipower solar drive.
- Complete control panel, wired & tested. - 1000VDC Isolation Switch
- DC Circuit Breaker
- Earth Stake
- Run Dry Protection
- MC 4 connectors and leads.
- 20m Power Cable & 4mm Stainless Safety Cable* (specify required length when ordering) - Complete borecap assembly 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)
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
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

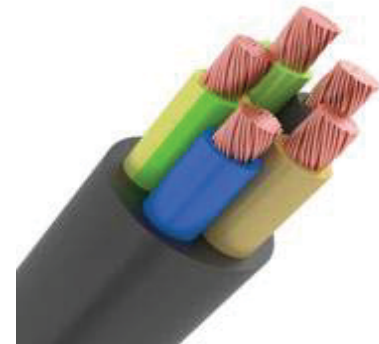
NSF Standard 61, IAPMO R&T UPC approved
 Corrosion resistant durable baked epoxy coating finish
 Polypropylene liner to ensure long durability
 Butyl diaphragm to assure long life and safety
 Leak free, O-ring sealed air valve cap
 100% pressure tested - No maintenance needed
 304 Stainless Steel water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



Part #	Description
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
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	
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	
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:

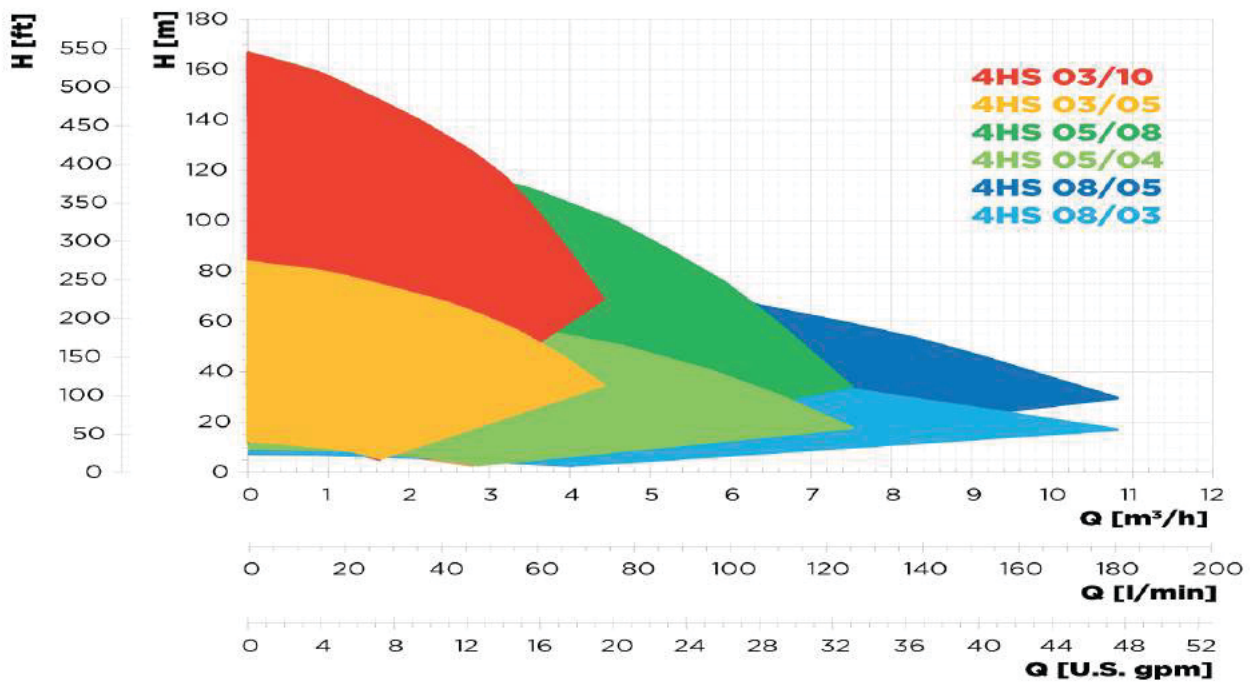
1. 4HS pump including 2.5 meters flat cable lead (ACS-WRAS - KTM compliant)
2. CM: Surface control module
3. Cable junction kit
4. Pressure transducer 0-16 bar or 0-250 psi

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.





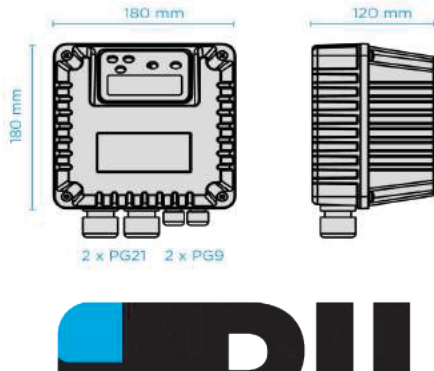
PILOT AND AVIATOR PUMP CONTROL, MOTORS -

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)
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)
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

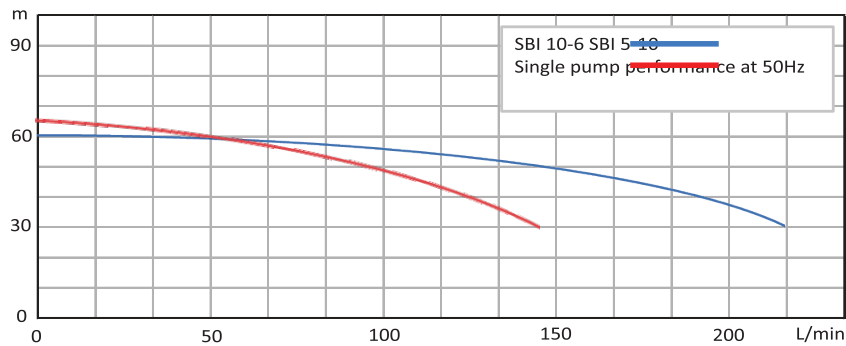
Complete variable speed pump set solutions for many different applications.

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
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

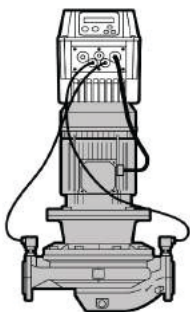
VASCO units are extremely compact and, connected to any pump on the market, will manage the operation of the pump to maintain a constant desired physical dimension (such as pressure, flow, temperature or other).

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

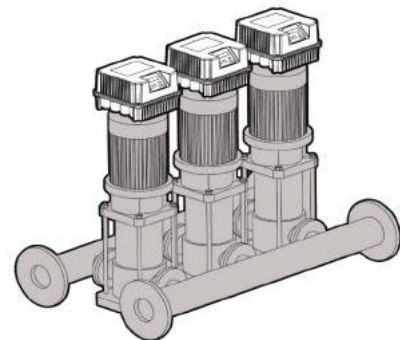
The compact body is constructed entirely of aluminium, making VASCO extremely solid, lightweight and easily cooled, adding to the unit's versatility.

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.



 **Bluetooth**[®]
SMART

Powered by
 NASEC



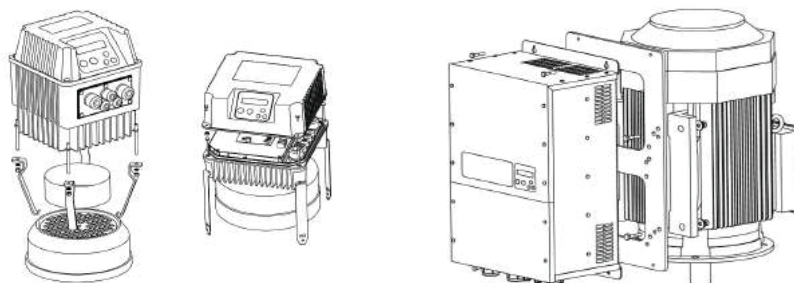
VARIBLE **S**PEED **CO**NTROLLER



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
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
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
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
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
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

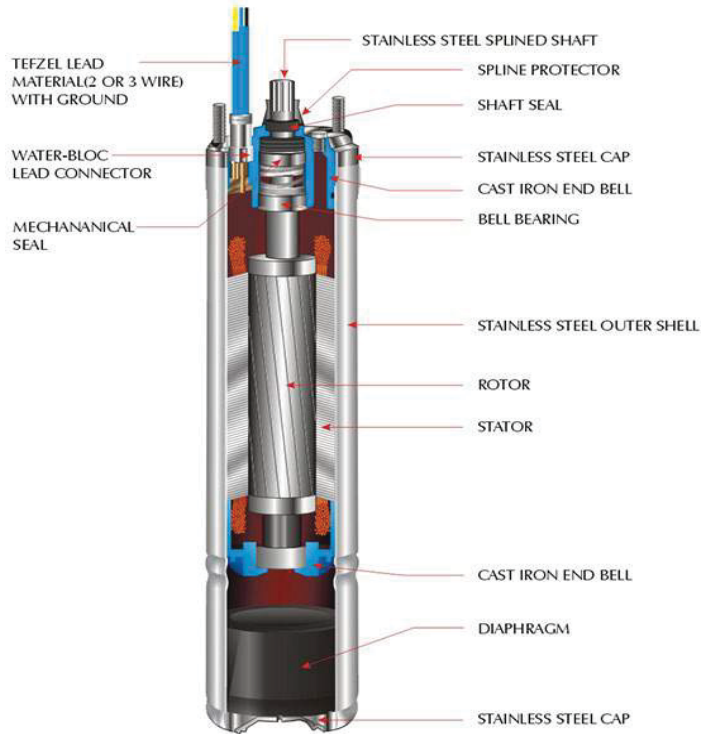


ST 4INCH - SUBMERSIBLE MOTOR RANGE

3 Wire Motors (1 x 240VAC)			
Part #	HP	Kw	
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	
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	
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





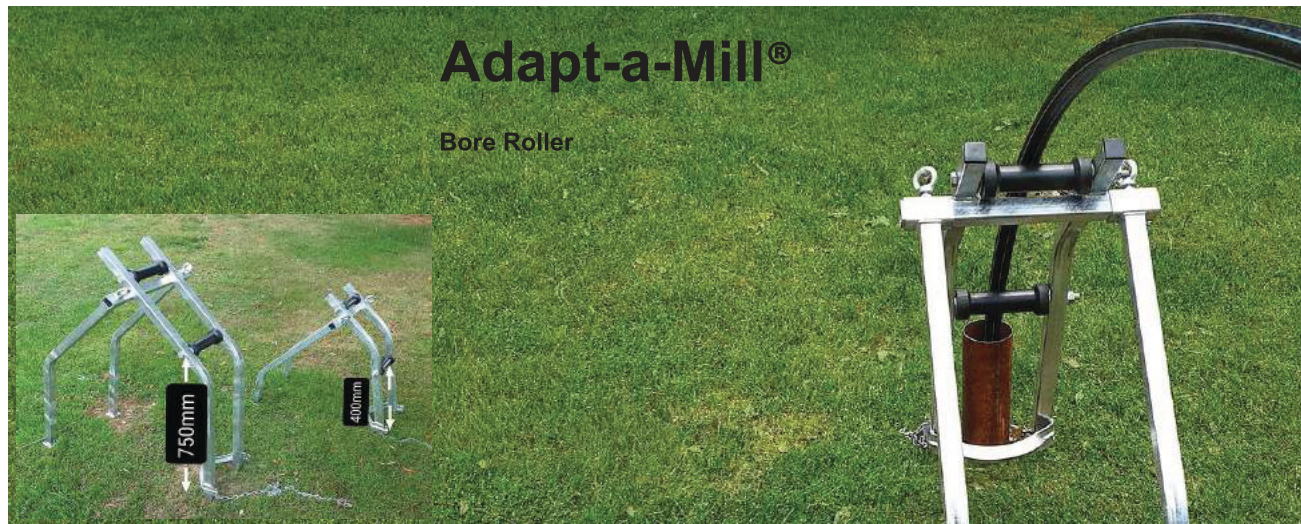
TOOLS & EQUIPMENT



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

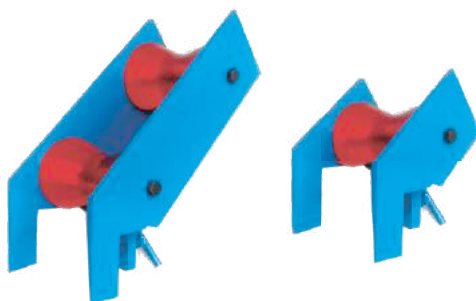




TOOLS & EQUIPMENT

WATER LEVEL TAPE

Part #	Description
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
	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	



PUMPSDIRECT

ONE STOP SHOP

Solar Pumps

Nastec

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



For Assistance please contact Michael: 0488 917 285 or michael@irrigationdirect.com.au