

Pressure System Starters control the pressure in pumping systems by starting on pressure fall, and stopping on pressure rise. The standard PSS is housed in a powder coated weather proof metal enclosure with inbuilt pressure switches for ease of installation and are available in many standard or special combinations to suit most applications. Economy versions are also available in plastic enclosures with external pressure switches.

General information

The standard unit housed in a powder coated weather proof metal enclosure with all control switches and indicators behind a lockable door incorporate a motor starter for the pump, start pressure switch, stop pressure switch with time delay and Man-Off-Auto selector.

The standard model is available as a single pump control or as a two or three pump triplex alternating system.

A twin two pump system, will alternate the lead and lag pump after each operation to even the wear and tear on the pumping units. If either is turned "off" the alternation will stop, this is beneficial if a pump is to be removed for service.

The Standard PSS can have many options:-

- ◆ Ammeter.
- ◆ Hours Run meter.
- ◆ No flow protection.
- ◆ Loss of pressure protection.
- ◆ Thermistor overtemperature protection.
- ◆ Transformer for 24 Volt ac supply to external circuits.
- ◆ Low level relay to suit level switches if pumping from tank
- ◆ Jacking pump circuit breaker & control circuit for small demands.
- ◆ Flow switch circuit with time delay for stopping on low flow.
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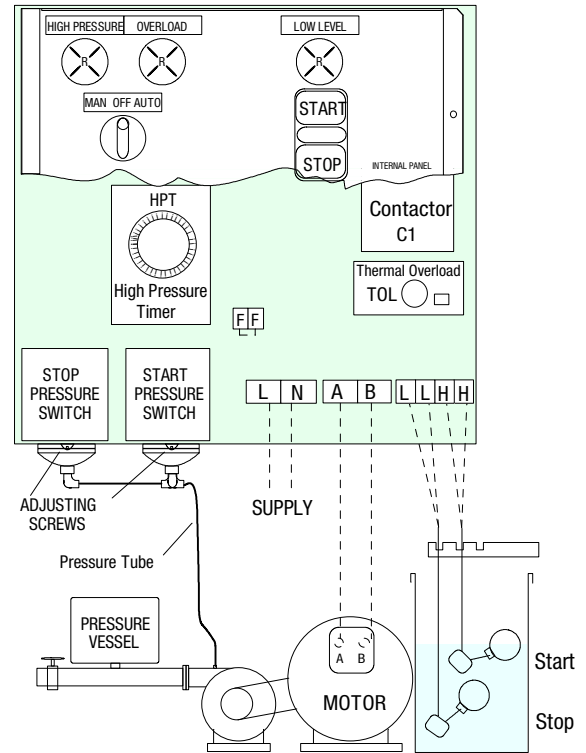
Various starting methods, like Direct on Line, Star Delta, Soft starter, Auto transformer or Variable speed drive can be supplied for small or large kilowatt motors in standard models.

STANDARD VERSION

MODEL	VOLTS	TYPE	REMARKS
PSS-2D	240V	Direct On Line	Standard base model with Manual-Off-Auto, indicators for high pressure and overload, inbuilt start and stop pressure switches housed in a powder coated steel enclosure.
PSS-6D	415V	Direct On Line	
PSS-SD	415V	Star Delta	
PSS-AT	415V	Auto Transformer	
PSS-SS	415V	Soft Starter	
PSS-LF-2D	240V	Direct On Line	Same as base model with low flow circuit in lieu of the high pressure stop pressure switch. This system will start on low pressure and stop on low flow after a time delay.
PSS-LF-6D	415V	Direct On Line	
PSS-LF-SD	415V	Star Delta	
PSS-LF-AT	415V	Auto Transformer	
PSS-LF-SS	415V	Soft Starter	
PSS-LL-2D	240V	Direct On Line	Same as base model with low level circuit for stopping on low level in the suction tank. This system will stop if the level in the suction tank falls to a low level and automatically restart when the level is restored.
PSS-LL-6D	415V	Direct On Line	
PSS-LL-SD	415V	Star Delta	
PSS-LL-AT	415V	Auto Transformer	
PSS-LL-SS	415V	Soft Starter	

"REFER TO THE PRICE LIST FOR VARIOUS MOTOR SIZES AND TYPES TO SUIT PARTICULAR KILOWATT AND AMPS."

PSS-LL-2D with low level



The standard 240 Volt DOL model shown has a Manual-Off-Auto, indicators for High pressure & overload, inbuilt low pressure start pressure switch and a High pressure stop pressure switch with time delay to prevent short cycling. Also the optional low level control circuit with override buttons for the suction tank.

ECONOMY VERSION

Economy versions are housed in plastic enclosures to suit external pressure switches. Not all options are available on the economy models, please see the price list or check with Kenrahn before ordering. Care must be taken when selecting a mounting position for the economy models with options, as the controls and indicators are on the outside of the enclosure and may not be suitable if exposed to the weather.

MODEL	VOLTS	TYPE	REMARKS
PSS-2DE	240V	Direct On Line	Basic DOL starter to start on pressure drop and stop on pressure rise via external pressure switches
PSS-6DE	415V	Direct On Line	
PSS-LF-2DE	240V	Direct On Line	Same as basic economy model with low flow circuit to stop on low flow in lieu of high pressure.
PSS-LF-6DE	415V	Direct On Line	
PSS-NF-2DE	240V	Direct On Line	Same as basic economy model with No Flow circuit & time delay to lock out on no flow to suit external flow switch.
PSS-NF-6DE	415V	Direct On Line	