

Boil-on Trap Type Internal Bypass Pressure Regulator/Unloader

Code No.	Max Psi/Gpm	Inlet	Outlet	Thread
#1	4000/6.6	3/4" F Swivel Nut	3/8" Female	NH/BSP, NPT/BSP
#5-EZ	4000/6.6	3/4" F Swivel Nut	3/8" Female	NH/BSP, NPT/BSP
#7	4000/6.6	3/4" F Swivel Nut	3/8" QD Socket	NH/BSP, NPT/BSP
#8-EZ	4000/6.6	3/4" F Swivel Nut	3/8" QD Socket	NH/BSP, NPT/BSP



* EZ- Easy Start model features an extra bypass, releases the head build pressure which will against the start when pulling start the engine, help to start even with gun off.

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Code No.	Max Psi/Gpm	Banjo Bolt Size	Outlet	Bypass
#1-BB	4000/6.6	3/8" Male	3/8" QD Socket	1/4" Hose Barb
#1-B5	4000/6.6	3/8" Male	3/8" Male	3/8" Male
#3	5000/7.9	3/8" Male	M22 Male	1/2" Male
#3-B5	5000/7.9	3/8" Male	3/8" Male	1/2" Male



* B5- Duplex Stainless Steel forged valve housing, features high resistance of corrosion, use for the pump with duplex stainless steel manifold and sea water reverse osmosis applications.

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Code No.	Max Psi/Gpm	Inlet	Outlet	Bypass
#4	4000/6.6	3/8" Female	3/8" Female	3/8" Female
#4-RC	4000/6.6	3/8" Male	3/8" Female	Connect to Inlet
#5	4350/2.1	1/2" Female	1/2" Female	1/2" Female
#5B	4350/2.1	1/2" Female	1/2" Female	1/2" Female



* RC- Recycle. Direct the water from bypass port back into the inlet port with a soft connection hose, and make the pump work as internal bypass mode, features with easy start function.

10000PSI Trap Type Pressure Regulator/Unloader

Code No.	Max Psi/Gpm	Inlet	Outlet	Bypass
#12-55	10000/2.1	1/2" Female	1/2" Female	1/2" Female



Flow Sensitive Type Pressure Regulator/Unloader

Code No.	Max Psi/Gpm	Inlet	Outlet	Bypass
#14-F5	3600/0.8	3/8" Female	3/8" Female	1/2" Male



* Flow Sensitive Unloader: When the water outlet is closed, the pressure difference is generated in the valve and the stem is pushed open for pressure relief. At this time, all pipelines are kept at low pressure, there is a slight pressure difference between the outlet line and the unloading line. When the outlet is open, the differential pressure reverses to push the stem back and build up the high pressure.

Pressure Switch Integrated Unloader

Code No.	Max Pressure	Inlet	Outlet	Max Amp
PSI-1/4	3600Psi/248Bar	3/4" Female	3/8" Quick Connector	15A



Pressure Switch

Code No.	Max Pressure	Inlet	Outlet	Type
PES-1/4(3/8)	7200Psi/500Bar	1/4" or 3/8" Male	N/A	Normally Open/Close
PES-QD	4000Psi/275Bar	3/8" QD Plug	3/8" QD	Normally Open/Close



* PES-Kind of pressure sensor, connect to the pump or system high pressure area, by the pressure difference will activate the micro switch and produce the ON-OFF signal, realize the system auto control. Activation pressure 4.5psi@30bar, Max Samps, 250V, Max working TEMP 90°C/194°F

Pressure Safety Valve

Code No.	Max Pressure	Inlet	Outlet	Bypass
SPV-AD	4000Psi/275Bar	3/8" Male	N/A	1/4" Hose Barb
SPV-EZ	4000Psi/275Bar	3/8" Male	N/A	N/A



* AD-Adjustable It is the secondary pressure safety guard if the pressure regulating unloader is failed, it protects the system against over pressurization. The adjustable features setup the relief pressure at different rate.

High Pressure Turning Valve

Code No.	Max Pressure	Inlet	Outlet	Bypass
PTV-1/4	4000Psi/275Bar	1/4" Male	N/A	1/4" Hose Barb
PTV-3/8	4000Psi/275Bar	3/8" Male	N/A	1/4" Hose Barb



* PTV-Pressure Turning Valve: Install at the pump high pressure area, discharge the air in the pump and water intake pipe line, enhance the sucking capability, and all to suck the water from a barrel and even pond.

Thermal Relief Valve

Code No.	Max Pressure	Inlet	Outlet	Bypass
TRV-1/4	200Psi/15Bar	1/4" Male	N/A	N/A
TRV-1/2	200Psi/15Bar	1/2" Male	N/A	N/A



* TRV- For a pump that install with a internal bypass unloader, when in bypass mode the recirculating water in the pump head will heat up very quickly, when the water TEMP. above 60°C/140°F the TRV MAX plug will getting soft and open to relieve the hot water, after the system cooling down the plug will reset.

Letter Pulse Valve

Code No.	Max Pressure	Fitting Size
JPV-(PUMP SERIES)	4000Psi/275Bar	Same as pump valve plug
JPV-08C/08D/08E/08F	4000Psi/275Bar	Same as pump valve plug



* JPV- Use to convert the high pumps into a sewer cleaning pump, if install on the pump central intake valve, when fully engaged the pin it stops the valve from operating, and create the flow pulsations on demand to improve nozzle movement and cleaning power in sewer cleaning applications.