THERMOSTATIC VALVE



General Applications[1]

Carbonation
Espresso/Coffee
Welding
Cold Carb Circulation
Reverse Osmosis
Beer Chillers
Pesticide Systems
Solar Applications

Features and Benefits

- Patented design for pump with thermostatic relief valve (U.S. Patent No. 9,976,550)
- Valve can be set to 250 psi (17.5 Bar), removed from pump and be fitted to another pump without having to reset pressure
- Thermal Valve prevents water and internal body temperature from exceeding 160˚F (71°C)
- Prevents tubing from overheating and potential burst
- No damage once normal operating conditions are resumed
- Passed 7 days continuous run blocked discharge (hot) test without any degradation in flow at 200 psi (14Bar)
- Retrofits to existing stainless pumps

Suggested Pump Pairings

Stainless Steel Housing Series
3 & 5 Rotary Vane Pumps

Technical Information			
Material		**Construction**	
Spring	Stainless Steel	Stainless Steel	Nitrile O-ring
Valve	ULTEM	**Pump Dimensions with Valve**	
Piston	ULTEM	Length	2.8 in (71 mm)
Body	Stainless Steel	Diameter, nut	.9 in (23 mm)
Temperature Control	Paraffin	**Weight**	.19 lbs (.09 kg)

[1] Consult with manufacturer for information on other applications

www.proconpump.com

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EXTERNAL BYPASS VALVE

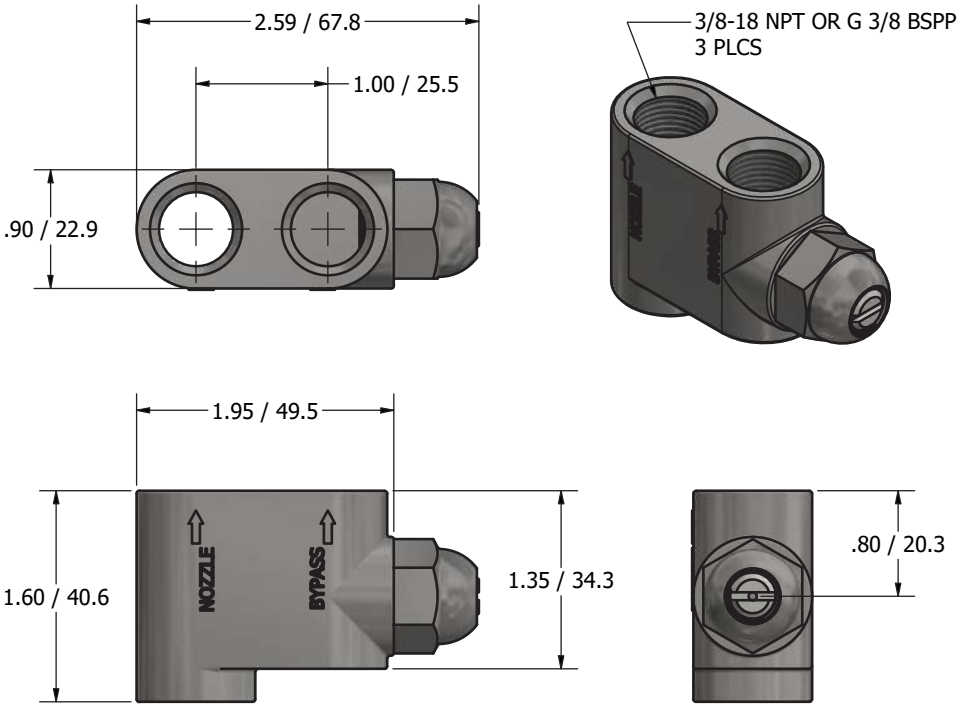




Technical Information (Options)	
Pump Housing Material	Brass 1.5%-2.5% Lead / 304 Stainless Steel
Elastomers	Nitrile, Ethlyene Propylene (EPDM), Fluorocarbon, or Neoprene
Valves	Stainless steel, Brass, or Plastic High temp ultem
Ports	G 3/8" or NPT 3/8"
Weight	Approx. 0.7 lbs. (0.3kg)
Unit Weight	0.9kg (2 lbs.)

Operating Range	
Max Flow Rate	265GPH (800 LPH)
Max Discharge Pressure	250 PSI (17 BAR)
Fluid Temperature	-40°C to +205°C (-40°F to +400°F)
Fluid Acidity	Brass housing > 6 pH / Stainless steel housing > 2 pH[1]

[1] Consult with manufacturer for extreme operating conditions



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RoHS NSF CE ISO 9001:2015

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