

Accessories



Five Function Valve

The five function valve is easily installed and allows simple, one-handed operation. The valve upgrades Chem-Tech Series 100 and Series 200 metering pumps, plus all PULSAtron models up to 240 GPD. The five function valve is packed with features that increase safety, enhance performance and generally improves the convenience of operation.

FEATURES

- Pressure Relief – Allows for relief of excessive pressure in discharge line to protect connections and tubing.
- Back Pressure – Maintains output reproducibility and allows metering into atmospheric discharge.
- Anti-Siphon – Prevents siphoning through the pump when point of injection is lower than the pump or into the suction line of another pump. Rated at total vacuum.
- Air Bleed – Used during priming to manually remove air from the pump head.
- Discharge Drain – Depressurize pump discharge line without loosening tubing or fittings. Protects the operator from chemical exposure.



SPECIFICATIONS

Material Of Construction:

Valve Body	Glass-filled Polypropylene (GFPPPL) Polyvinylidene Flouride (PVDF)
Diaphragm	PTFE faced Hypalon
O-Rings	PTFE
Hardware	188 Stainless Steel

Pressure Relief

Settings:	275 PSI (17 BAR) - red (nominal cracking pressure)
	175 PSI (12 BAR) - green
	125 PSI (8.6 BAR) - blue

Note: Pressure relief will occur within 50% of maximum rating of pump.

Maximum Operating Pressure: 300 PSI (17 BAR)

Maximum Flow: 240 GPD (37.85 LPH)

Maximum Viscosity: 1000 CPS

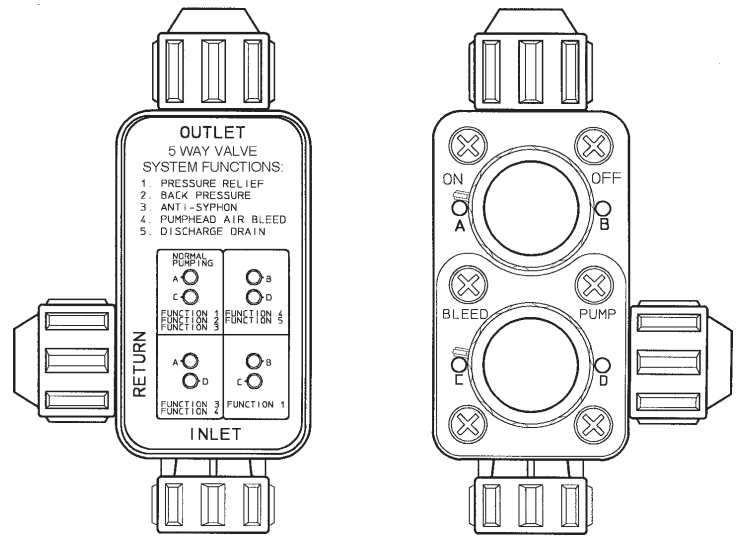
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Five Function Valve Model Structure

OPERATION

The functions are selected by setting two dual position selector knobs. The label on the back panel of the valve identifies each function with selector knob positions.

The five function valve is compatible with most PULSAtron, and Chem-Tech Series pumps. Connected to the existing discharge valve the five function valve is capable of handling a large output flow as well as viscous liquids. A return port located on the side body provides flow of chemical back to the solution tank when in the air bleed or drain discharge mode.



BACK VIEW

FRONT VIEW

ORDERING INFORMATION

Build the model number by selecting the options and substituting the identifiers in place of the "xx" in the diagram below. Please note a complete model number is required when placing an order for this item.

L380 XX XX - XXX

<u>Code</u>	<u>Description</u>
PVD	Polyvinylidene Fluoride (PVDF)
FPP	Glass-filled Polypropylene (GFPPPL)
01	3/8" (0.95 cm) OD Tubing Connection
02	1/4" (0.635 cm) Male MNPT Connection
03	1/2" (1.27 cm) OD Tubing Connection
KT	250 PSI
FT	150 PSI
DT	100 PSI

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