

# PULSAFEEDER®

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.

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.

## Features

- Pressure Relief
- 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.



# Five Function Valve

## Specifications and Model Selection

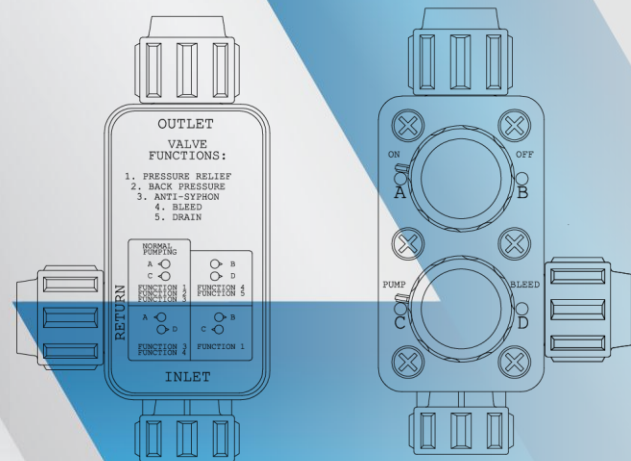
Five Function Valve Selection Guide		L380
Five Function Valve	L380 = Five Function Valve	
Max Pressure Rating	<b>B</b> = 50 PSI <b>D</b> = 100 PSI <b>F</b> = 150 PSI <b>K</b> = 250 PSI	
O-Ring Material	<b>T</b> = TFE	
Connection Size	<b>01</b> = 3/8" (0.95 cm) OD Tubing Connection <b>02</b> = 1/4" (0.635 cm) Male MNPT Connection <b>03</b> = 1/2" (1.27 cm) OD Tubing Connection <b>0P</b> = 4 x 6 mm <b>0N</b> = 4 x 10 mm <b>0S</b> = 6 x 10 mm <b>0Y</b> = 6 x 12 mm <b>0Q</b> = 10 x 14 mm	
Body Materials	<b>PVD</b> = Polyvinylidene Fluoride (PVDF or Kynar)	

## Engineering Data

### Materials of Construction:

Valve Body:	GFPPL
	PVDF
Diaphragm:	PTFE-faced CSPE
O-Rings:	PTFE
Hardware:	188 SS
Maximum Flow:	240 GPD (37.85 LPH)
Maximum Viscosity:	1000 CPS
Maximum Operating Pressure:	250 PSI (17 BAR)
Pressure Relief Settings: (nominal cracking pressure)	275 PSI (19 BAR) – red 175 PSI (12 BAR) – green 125 PSI (8.6 BAR) – blue
Note:	Pressure relief will occur within 50% of maximum rating of pump.

Important: Material Code - GFPPL=Glass-filled Polypropylene, PVC=Polyvinyl Chloride, PE=Polyethylene, PVDF=Polyvinylidene Fluoride, CSPE=Generic formulation of Hypalon, a registered trademark of E.I. DuPont Company. Viton is a registered trademark of E.I. DuPont Company. PVC wetted end recommended for sodium hypochlorite.



**BACK VIEW**      **FRONT VIEW**

**novatech**  
INTERNATIONAL

sales@novatech-usa.com  
 www.novatech-usa.com  
 Tel: (866) 433-6682      Fax: (866) 433-6684  
 Tel: (281) 359-8538      Fax: (281) 359-0084

**PULSAFEEDER**

27101 Airport Road  
 Punta Gorda, FL 33982  
 Phone: ++1(941) 575-3800  
 Fax: ++1(941) 575-4085

www.pulsatron.com



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