

P-150 Series

Plastic Valves

V A L V E S

1", 1½" and 2" in-line globe/angle valves for light commercial applications. The P-150 Series valves are the "value" work horses of plastic valves.

25, 40 and 50mm (1", 1½" and 2")
Electric Models

Features:

- Heavy-duty glass-filled nylon (GFN) and stainless-steel construction
- Globe/Angle configuration
- Rated at 10 Bars (150 psi) with flows from 20 to 568 LPM (5 to 150 GPM)
- Water is filter controlled to resist contamination of solenoid port. Filter serviceable from top of valve.
- Slow closing design reduce water hammer
- Non-rising, manual flow control handle; adjustable to zero flow
- Manual internal bleed
- Rugged Santoprene, double beaded diaphragm
- Encapsulated injection molded solenoid with a captive hex plunger
- Forward flow design for precise pressure regulation
- Precise pressure control option with compact EZReg® dial-design technology (factory or field installed — no need to remove solenoid)
- Pressure regulates in electric and manual modes, serviceable under pressure
- No external tubing for either electric or pressure regulating models
- Easily serviced without system removal



P-150 Series

- Proven, encapsulated, injection-molded solenoid with captured hex plunger and spring
- Purple solenoid models available for effluent applications
- Accepts latching solenoids
- Positive O-ring seal on inlet plug
- Unique 3-way SS bonnet screws accept Phillips or hex driver tools

Electrical Specification:

- Solenoid: 24 V.a.c.
- Inrush volt-amp: 24 V.a.c. – 11.5 VA
- Inrush current: .4A
- Holding volt-amps: 24 V.a.c. – 5.75 VA
- Holding current: .2A

Operating Specifications:

- Flow range: 19-568 LPM (5-150 GPM)
- Pressure range: 1.4-10 Bar (20-150 PSI)
- Body styles:
 - Globe/angle valve — 25, 40 and 50mm (1", 1½" and 2") female threads
- Solenoid: 60 Hz 24 V.a.c.
 - Inrush: 0.40 amps, 11.50 VA
 - Holding: 0.20 amps, 5.75 VA
- Solenoid: 50 Hz 24 V.a.c.
 - Inrush: 0.34 amps, 11.50 VA
 - Holding: 0.20 amps, 5.75 VA
- Dimensions:
 - 25mm—171mm x 92mm (1" — 6¾" H x 3⅝" W)
 - 40mm—184mm x 92mm (1½" — 7¼" H x 3⅝" W)
 - 50mm—241mm x 156mm (2" — 9½" H x 6⅛" W)

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Optional Accessories:

- DC latching solenoid assembly
- 24 VDC solenoid – R576804
- 24 V.a.c., 60Hz solenoid – R811-24VACG
- 24 V.a.c., 50Hz solenoid – 588403
- Reclaimed water purple solenoid assembly and tag (RW60-Kit)
- 24 V.a.c. potted solenoid – 89-9580
 - 60cm (24") wire leads
 - 50/60Hz
 - Inrush: 0.37A, 8.8 VA
 - Holding: 0.3A, 7.2 VA
- EZR-30: 0.3-2 Bar (5-30 psi) pressure regulation module
- EZR-100: 0.3-7 Bar (5-100 psi) pressure regulation module
- BSP threads
- Less solenoid versions



DC latching solenoid assembly



EZReg[®] pressure-regulation module



Effluent water solenoid assembly and tag (RW60-Kit) available.

Size	Configuration	80	100	120	140	160	200	250	300	350	400	450	500	550	600
25mm	Globe Angle														
40mm	Globe Angle	0,22 0,21	0,21 0,21	0,21 0,22	0,17 0,15	0,18 0,15	0,20 0,13	0,31 0,19	0,46 0,26						
50mm	Globe Angle					0,22 0,18	0,22 0,17	0,20 0,14	0,19 0,13	0,26 0,16	0,34 0,24	0,42 0,26	0,52 0,32	0,62 0,37	0,74 0,43

Flow rates are recommended not to exceed 0,35 Bar loss. Values shown in Bar. For kPa values, multiply tabular values by 100. For Kg/cm² values, multiply tabular values by 1,02.

Size	Configuration	5	10	20	30	40	50	60	70	80	100	120	150
1"	Globe Angle												
1 1/2"	Globe Angle			3.14 3.10	3.11 3.36	2.59 2.37	2.67 1.72	3.77 2.22	5.09 3.10	6.40 3.98			
2"	Globe Angle					3.20 2.63	3.33 2.62	2.86 2.24	2.81 1.88	2.87 1.97	4.39 2.67	6.20 3.82	9.68 5.67

Note: For optimum performance when designing a system, be sure to calculate total friction loss to ensure sufficient downstream pressure. For optimum regulation performance, size regulating valves toward the higher flow ranges. Flow rates are recommended not to exceed 5 PSI loss. Values shown in PSI.

Specifying Information

P150 23 X X

Type	Configuration	Solenoid	Size
P150— P-150 Series Plastic Valve	23—BSP, Electric	5—50 Hz Solenoid 6—Less Solenoid	4—25 mm (1") 6—40 mm (1 1/2") 8—50 mm (2")

For Example:
When specifying a 50 mm (2") P-150 Series Plastic Valve with
BSP threads and 50 Hz solenoid, you would specify:

P150-23-58



Count on it.

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