



- 1½” and 2”, BSP
- Electric Models

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.



Learn more at toro.com

Features & Benefits

Heavy-duty glass-filled nylon (GFN) and stainless-steel construction

Globe/Angle configuration

Rated at 10 Bar (150 psi) with flows from 20 to 568 LPM (5 to 150 GPM)

Filter-controlled Water

To resist contamination of solenoid port. Filter serviceable from top of valve.

Precise pressure control option with compact EZReg® dial-design

Serviceable under pressure – no need to shut down system

Pressure regulates in electric and manual modes

Serviceable under pressure

Water Management Highlight



Pressure Regulator

The EZReg® module can regulate with flows of only 19 l/min (0,3 Bar) with a 25mm (1”) valve and it only requires 0,7 Bar (10 psi) differential to operate. The pressure regulator can be easily and quickly installed—even under pressure, with no danger of water geysers.



Specifications

Dimensions

- Body styles:
- Globe/angle valve: 1½" and 2" (40mm and 50mm) BSP female threads
- Dimensions:
- 1½": 184mm x 92mm (7¼" x 3⅝") H x W
- 2": 241mm x 156mm (9½" x 6⅛") H x W

Operating Specifications

- Solenoid: 50Hz (24 VAC)
- Inrush volt-amp: 50Hz (24 VAC) - 7,2 VA
- Inrush current: .3 amps
- Holding volt-amperes: 50Hz (24 VAC) - 4,8 VA
- Holding current: .2 amps
- Flow range: 18,9-567,8 LPM (5-150 GPM)
- Pressure range: 1,4-10,3 Bar (20-150 PSI)

Additional Features

- Non-rising, manual flow control handle; adjustable to zero flow
- Manual internal bleed
- Rugged Santoprene, double beaded diaphragm
- Forward flow design for precise pressure regulation
- No external tubing for either electric or pressure regulating models
- Encapsulated solenoid with captured hex plunger assembly
- Purple solenoid models available for effluent applications
- Positive O-ring seal on inlet plug
- Unique 3-way SS bonnet screws accept Phillips or hex driver tools
- Slow closing design reduces water hammer

Options Available

- EZR-30 - EZReg, 0,3-2,1 Bar (5-30 psi) Regulator Module
- EZR-100 - EZReg, 0,3-7,0 Bar (5-100 psi) Regulator Module
- EFF-KIT-50Hz - Effluent Water (Lavender) Solenoid Assembly (24 VAC, 50 Hz) and Warning Tag
- 118-5983 - 24 VAC Solenoid Assembly, 50 Hz, 18" (457mm) Leads, Captive Plunger
- DCLS-P - Potted DC Latching Solenoid Assembly

Warranty

- Five years

P-150 Series Plastic Valve Model List	
Model	Description
EU-P150-23-56	Electric, Globe/Angle, 1½" BSP Plastic Valve, 50 Hz Solenoid
EU-P150-23-58	Electric, Globe/Angle, 2" BSP Plastic Valve, 50 Hz Solenoid
EU-P150-23-96	Electric, Globe/Angle, 1½" BSP Plastic Valve, DCLS-P Solenoid
EU-P150-23-98	Electric, Globe/Angle, 2" BSP Plastic Valve, DCLS-P Solenoid

Note: all w/o Nozzle

P-150 Series Friction Loss Data—Metric (LPM Flow)

Size	Configuration	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600
1.5"	Globe Angle	0,22 0,21	0,21 0,21	0,21 0,22	0,17 0,15	0,18 0,13	0,20 0,13	0,31 0,19	0,46 0,26							
2"	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 0,24	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.

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.

Specifying Information – P-150 Series Plastic Valves

P150-23-X-X			
Type	Configuration	Solenoid	Size
P150	23	X	X
P150—P-150 Series Plastic Valve	23—BSP, Electric	5—50 Hz Solenoid 6—Less Solenoid 9—DCLS-P	6—1½" 8—2"
Example: A 50 mm (2") P-150 Series Plastic Valve with BSP threads and 50 Hz solenoid, would be specified as: P150-23-58			

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