

## 40 and 50mm Electric Models

40 and 50 mm in-line globe/angle valves for light commercial applications. The P-150 Series valves are the "value" work horses of plastic valves.

### Key Features:

- Heavy-duty glass-filled nylon (GFN) and stainless-steel construction
- Globe/Angle configuration
- Rated at 1034 kPa with flows from 80 to 568 LPM
- Water is filter controlled to resist contamination of solenoid port. Filter serviceable from top of valve
- Slow closing design reduces water hammer
- Pressure control option with compact EZReg® dial-design (serviceable under pressure — no need to shut down system)
- Pressure regulates in electric and manual modes

### Additional Features:

- Non-rising, manual flow control handle; adjustable to zero flow
- Manual internal bleed
- Rugged Santoprene, double beaded diaphragm
- Encapsulated injection moulded solenoid with a captive hex plunger
- Forward flow design for precise pressure regulation
- No external tubing for either electric or pressure regulating models
- Proven, encapsulated, injection-moulded solenoid with captured hex plunger and spring
- Accepts Toro and Irritrol latching solenoids
- Positive O-ring seal on inlet plug
- Unique 3-way SS bonnet screws accept Phillips or hex driver tools

### Electrical Specification:

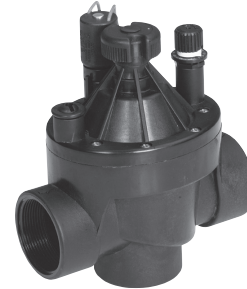
- Solenoid: 24 V.a.c.
- Inrush volt-amp: 24 V.a.c. – 7.2 VA
- Inrush current: 0.3 Amps
- Holding volt-amperes: 24 V.a.c. – 4.8 VA
- Holding current: 0.2 Amps

### Operating Specifications:

- Flow range: 80–568 LPM
- Pressure range: 140–1034 kPa
- Body styles:
  - Globe/angle valve — 40 and 50mm BSP female threads
- Solenoid: 50 Hz 24 V.a.c.
  - Inrush: 0.34 amps, 11.50 VA
  - Holding: 0.20 amps, 5.75 VA

Dimensions (H × W)		
Model	H	W
40 mm	184 mm	92 mm
50 mm	241 mm	156 mm

- DC latching solenoid assembly – DCLS-P
- 24 VDC solenoid – R576804
- 24 V.a.c., 50Hz solenoid – 588403
- EZR-30: 0.3-2 Bar (5-30 psi) pressure regulation module
- EZR-100: 0.3-7 Bar (5-100 psi) pressure regulation module



P-150 Series



EZReg® pressure-regulation module



DCLS-P latching solenoid assembly

### Specifying Information – P-150 Series Valves

Type	Configuration	Solenoid	Size
P150— P-150 Series Plastic Valve	23—BSP, Electric	5—50 Hz Solenoid	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: <b>P150-23-58</b>			

P-150 Series Friction Loss Data (kPa)																
		Flow – LPM														
Size (mm)	Configuration	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600
40	Globe Angle	22	21	21	17	18	20	31	46							
		21	21	22	15	13	13	19	26							
50	Globe Angle					22	22	20	19	26	34	42	42	52	62	74
						18	17	14	13	16	24	24	26	32	37	43

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 35 kPa pressure loss.

