

Application

These heavy-duty globe/angle valves, designed primarily for commercial applications, offer superior performance and durability under the most demanding conditions. Tracing its origin back to the highly popular Century Series, the 100 Series (Century PLUS) delivers reliable performance with a host of enhanced features.

Features

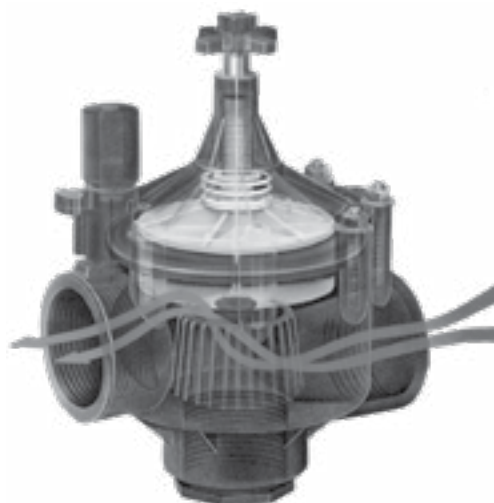
- Available in 25, 40, 50 and 80 mm BSP
- 1500 kPa rating (820 kPa if using DCLS-P)
- Manual internal and external bleed
- Flow control allows flow adjustment and manual shutoff
- Globe/angle configuration
- Glass-reinforced nylon body withstands high temperatures under pressure
- Rugged, double-beaded, nylon-reinforced Buna-N diaphragm
- Stainless steel metering system
- Captive plunger solenoid
- Positive O-ring seal on inlet plug
- Moulded-in studs allow positive bonnet attachment
- Brass flow control stem (50 and 80 mm models)
- Pressure Regulation (OmniReg® modular option). See OmniReg® page for performance data and specifications.
- 9-12 VDC Latching Solenoid option (DCLS-P) (max. pressure 820 kPa)

Electrical Specifications

- Solenoid: 24 VAC
- Inrush volt-amp: 24 VAC - 9.6 VA
- Inrush current: 0.4 amp
- Holding volt-amp: 24 VAC - 4.8 VA
- Holding current: 0.2 amp

Operating Specifications

- Flow range: 20-1100 Lpm
- Pressure range: 70-1500 kPa



Century Plus Commercial Valve

Ordering Information

Code	Description
100P1-BSP	Century Plus 25 mm FBSP Solenoid Valve with Flow Control
100P1.5-BSP	Century Plus 40 mm FBSP Solenoid Valve with Flow Control
100P2-BSP	Century Plus 50 mm FBSP Solenoid Valve with Flow Control
100P3-BSP	Century Plus 80 mm FBSP Solenoid Valve with Flow Control
HVC-KIT	Hydraulic Conversion Kit for Century Series Valves

Dimensions

Size	Height (mm)	Width (mm)	Depth (mm)
25	172	92	121
40	185	92	121
50	242	156	197
80	273	156	210

Century Plus Series Friction Loss (kPa) vs Flow (Lpm)

Size	Configuration	Flow Rate Lpm																						
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	700	800	900	1000	1100
25 mm	Globe	43	29	25	23	26	32	43	55	69														
	Angle	43	29	25	21	20	21	29	38	49														
40 mm	Globe						12	14	18	23	28	43	62	85	111									
	Angle						9	10	13	17	22	34	48	65	85									
50 mm	Globe													20	25	32	40	48	54					
	Angle													12	15	19	24	29	32					
80 mm	Globe																		18	24	32	41	52	65
	Angle																		14	19	26	34	43	54

Flow rates are recommended not to exceed 35 kPa loss.

Note: when designing a system, the industry standard maximum flow rate velocity through pipes and fittings is 2m/s. Please refer to relevant pipe velocity data.