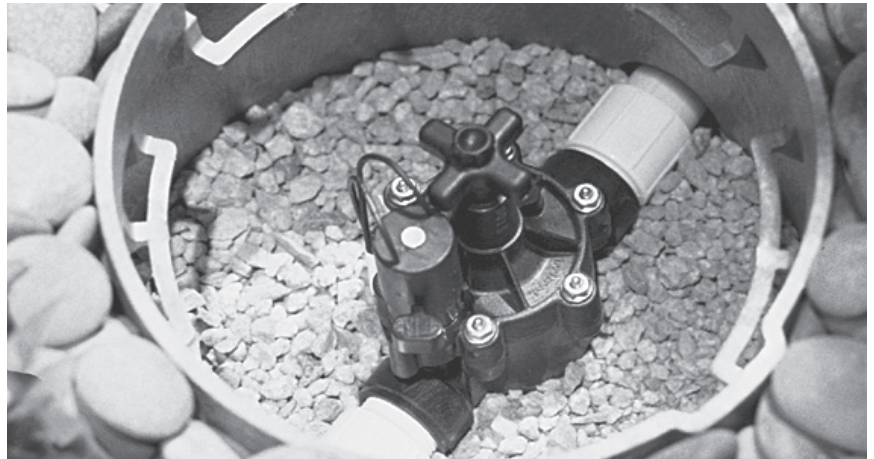


### Century Plus Scrubber Valve

Constructed of heavy-duty, glass-reinforced nylon, stainless steel, brass and EPDM rubber materials, the Century Plus scrubber valves resist clogging and feature a patent-pending continuous scrubbing mechanism to actively fight dirt, algae and other particles from disrupting the functionality of the valve. The Century Plus scrubber valves are true dirty water irrigation valves, able to handle the harsh chemicals found in dirty water systems, such as chlorines, chloramines and water treated with ozones.

### Features

- **Continuous Scrubbing Feature**  
Actively cleans the metering device for consistent valve operation
- **Tough, Glass-reinforced Nylon, Stainless Steel And Brass Construction**  
Withstands high temperatures and system surges under pressure for long-term reliability
- **Fabric-reinforced EPDM Diaphragm And EPDM Seat** Designed to operate in virtually all water applications
- **Rugged Internal Plastic And Stainless Steel Parts**  
Scrubber fan, nut and metering system chlorine and chemical resistant
- **Completely Serviceable And Retrofittable**  
Diaphragm assembly may be replaced or retrofitted to previous models
- **1379 kPa Pressure Rating**  
Prevents water hammer and system damage in high-pressure installations
- **Internal And External Bleed (Flush Mode)**  
Manual operation
- **Externally Removable Self-cleaning Metering System**  
Provides consistent performance in recycled-water applications
- **Accepts Omnireg® Modular Pressure Regulator**  
Ensures consistent performance

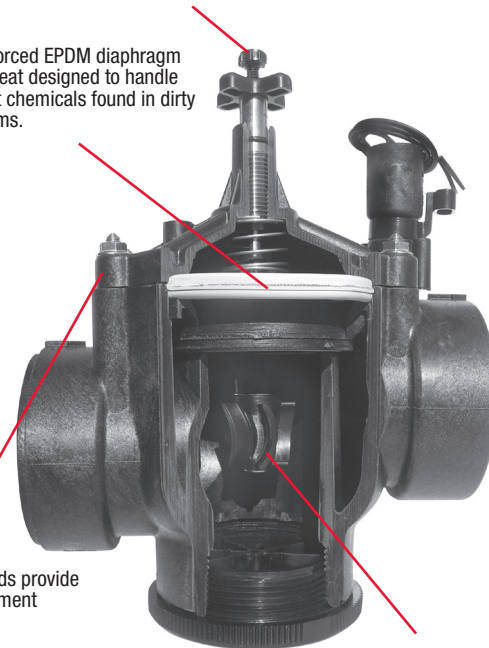


### Next Generation Scrubber Valve

Self-cleaning/easy maintenance, each cycle cleans internal orifices. All parts are easily accessible without removing the valve from the system

Fabric-reinforced EPDM diaphragm and EPDM seat designed to handle the harshest chemicals found in dirty water systems.

Internally moulded studs provide positive bonnet attachment



Continuous scrubbing turbine actively cleans the metering device for consistent valve operation in dirty water applications.

### Added Features

- Flow control allows flow adjustment and manual shutoff
- Buna-N valve seat seal
- Encapsulated injection-moulded solenoid with a captive hex plunger
- Positive O-ring seal on inlet plug prevents leaks without damaging seal threads
- Moulded-in and anchored studs allow positive bonnet attachment and removal
- Brass flow control stem on 50 and 80mm models
- Easily serviced without removal from the system
- Five-year warranty

### Operating Specifications

- Flow range: 20-1100 Lpm
- Pressure range: 70-1379 kPa

### Electrical Specifications

- Solenoid: 24 VAC
- Inrush volt-amp: 24 VAC, 9.6 VA
- Inrush current: .4 amp
- Holding volt-amp: 24 VAC, 4.8 VA
- Holding current: .2 amp

#### Dimensions (D × W × H)

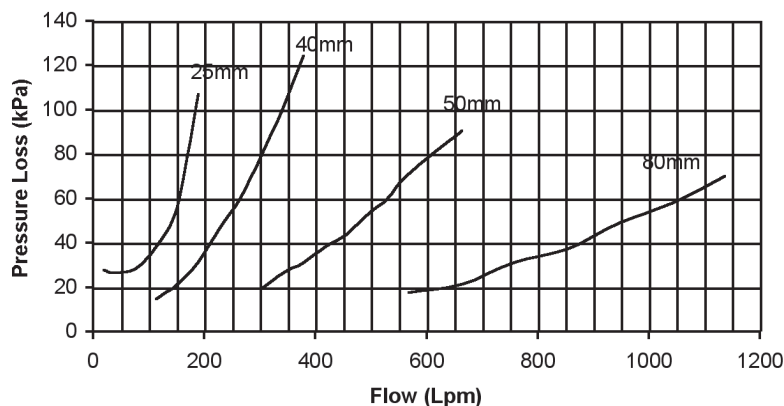
	D (mm)	W (mm)	H (mm)
100P1-S	121	93	172
100P1.5-S	121	93	185
100P2-S	197	156	242
100P3-S	210	156	274

### Optional Accessories\*

- IBOC300-9V battery-operated "on valve" controller
- OmniReg® 35-210 kPa regulator (OMR-30)
- OmniReg 35-700 kPa regulator (OMR-100)
- DC latching solenoid (DCL)  
Note: Maximum pressure for a valve that utilizes latching solenoid is 820 kPa.
- Weatherproof gauge (SPK-100)

\* Optional accessories are field-installable. Must specify separately if required.

Friction Loss Data  
100-S Series Angle



Pressure loss data are derived from valves independently tested by CIT, Fresno, CA.

#### Specifying Information

Model	Size
100P - 100 internal bleed and flow control valve	1 - 25mm 1.5 - 40mm 2 - 50mm 3 - 80mm
Example: A 100P 25mm scrubber valve with internal bleed and flow control = 100P1-S	