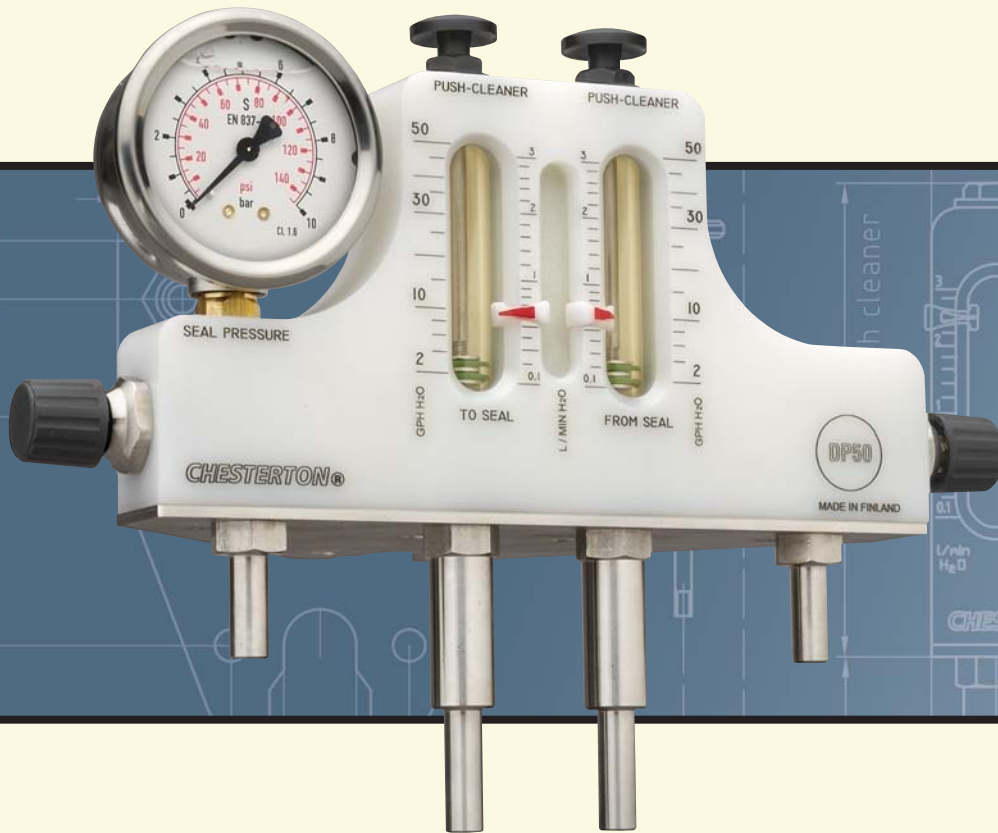


FLOW METERS

CHESTERTON FLOW GUARDIAN™



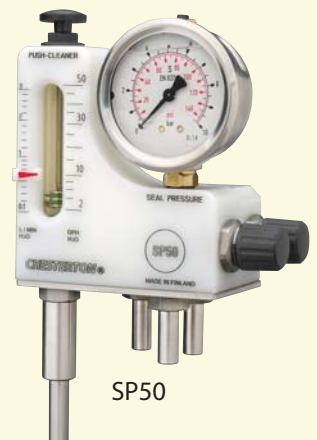
Features

- Built-in plunger cleaner
- Built-in pressure regulator
- Rugged compact design
- Reliable operation
- Tamper-proof locking system
- Alarm sensor-ready
- Excellent corrosion resistance
- Rebuild kits available
- Optional barb connectors
- Liquid-filled compound pressure gauge

Chesterton Flow Guardian™

meters are specifically designed to supply uninterrupted regulated seal flush water and deliver operational efficiency to the pump population.

Costly seal failures are reduced with the use of reliable Flow Guardian seal meters while assisting in plant water conservation initiatives. Improvements in these areas will contribute to your plant's overall operational efficiency.



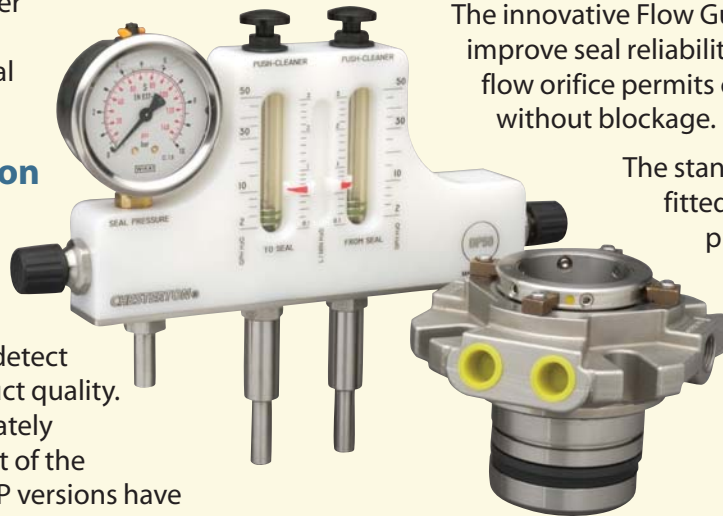
CONSERVATION MAINTAIN PRECISE FLOW & SAVINGS

Plant Water Conservation

Flow Guardian™ Seal Meters will assist in your water conservation programs. In today's competitive environment, plants are faced with improving operational efficiency and meeting federal mandates through seal flush water reduction. Seal water flush rates can be reduced from gallons per minute to gallons per hour without adversely affecting seal performance.

Dual Seal Leak Detection

Dual seals require reliable and adequate water flow for optimum cooling and lubrication. In most process applications, it is important to detect a seal failure to preserve product quality. The DP dual seal version accurately measures water flow in and out of the mechanical seal. The DP and SP versions have a built-in regulating valve that enables the user to simultaneously adjust flush pressure in the mechanical seal, providing reliable seal performance.



Durable and Easy

The clear flow tubes can be cleaned while in service without flow interruption. The built-in plunger cleans the tube from contaminants, algae or water impurities, which would otherwise foul the tube walls and impair visibility or restrict flow.

The innovative Flow Guardian is designed to improve seal reliability. The special shaped flow orifice permits contaminants to pass without blockage.

The standard Flow Guardian can be fitted with a versatile, inductive proximity flow sensor designed to alarm the user when there is an interruption in water flush flow. It can also be used for high flow indication.

DESIGN CRITERIA

Body material	Polyoxymethylene (POM)
Metering tube	Polysulfone (PSU)
Metallic parts	AISI 316, float ASI 329
O-Rings	Fluorocarbon
Max. pressure	145 psig (10 bar g)
Max. temperature	212°F (100° C)
Connectors	3/8" (10 mm) compression connection or hose barb connectors
Pressure gauge	0 - 145 psig/0 - 10 barg stainless steel casing, liquid filled
Flow range	2 - 50 GPH (0,1 - 3 liters/minute)

ITEM #	DESCRIPTION	APPLICATION
Compression Fitting Connectors		
199801	S50 Single Tube	Single Seal/Packing Sets
199802	SP50 Single Tube with Pressure Valve	Single Seal/Packing Sets/Dual Seal
199803	DP50 Dual Tube with Pressure Valve	Dual Seal
Hose Barb Connectors		
199804	S50 Single Tube	Single Seal/Packing Sets
199805	SP50 Single Tube with Pressure Valve	Single Seal/Packing Sets/Dual Seal
199806	DP50 Dual Tube with Pressure Valve	Dual Seal
Accessories		
199809	Optional Flow Sensor	AC/DC
199810	Optional Flow Sensor	DC
199807	Single Tube Repair Kit	S50/SP50
199808	Dual Tube Repair Kit	DP50

ISO 14001 and ISO 9001 CERTIFIED



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