High Flow MCS

Magnetically Coupled, Mechanically Cleaned Strainer

The High Flow, Self-Cleaning Filtration Solution that Dramatically Reduces the Cost of Replacing Treated Fresh Water.



High Flow MCS-500



High Flow MCS-1500



High Flow MCS-1500 Plex

EATON

Powering Business Worldwide™

High Flow MCS Series™

Patented Mechanically-Cleaned Strainers for Industrial Fresh Water Filtration

Designed specifically for the conservation of valuable process fluids in the high flow filtration of fresh water and water-like liquids.

Eaton's new patented High Flow MCS Series is engineered to help conserve valuable process water while protecting costly equipment from debris. This new strainer design offers minimal purge volumes in fresh water applications, allowing you to save on the cost of make up liquids, chemical treatment and heating energy.

Featuring fast cleaning magnetically coupled actuation, our patented design offers an optimized configuration to help improve and reduce costly maintenance and downtime. Plus, this actuation method eliminates the need for cover thru-holes and their associated seals.

- No dynamic seals
- Minimal purge for low waste operation
- Easy in-line installation
- Continuous 24/7 operation
- Maintenance-friendly design means lower labor costs
- Eco-friendly. No bags to purchase, change or landfill
- Available in optional ASME Code, and CRN design

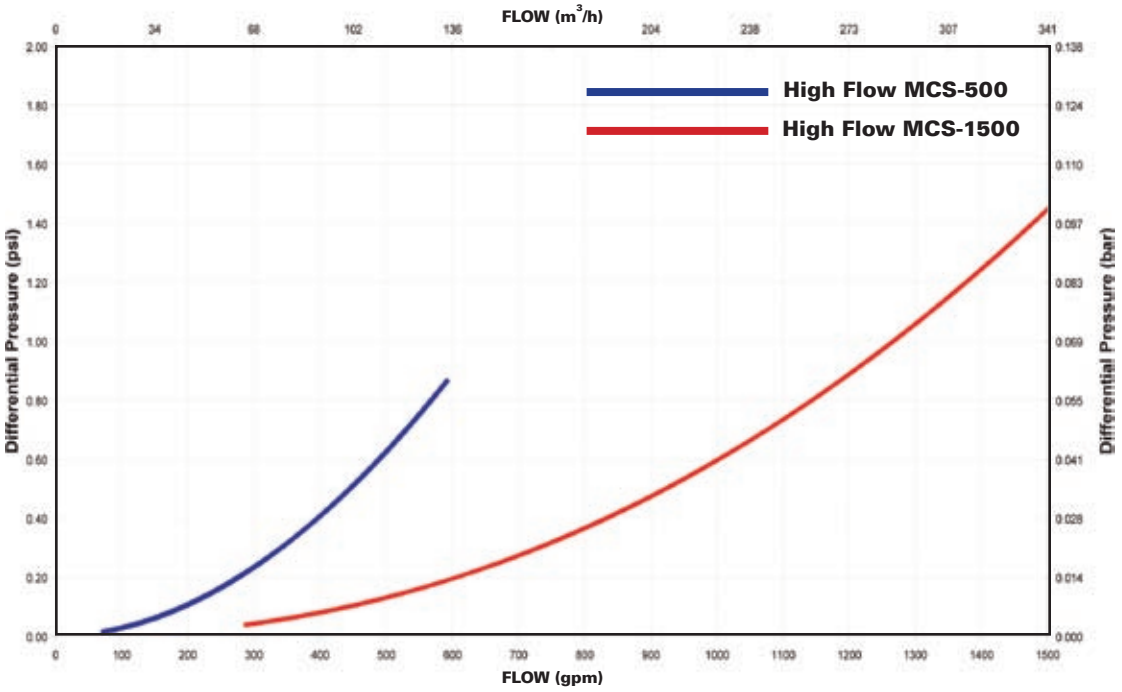
The High Flow MCS Series is the newest addition to Eaton's filtration product line, which includes pipeline strainers, disposable media and housings, fabricated strainers, gas/liquid separtors and self cleaning filters.

HIGH FLOW MCS SPECIFICATIONS	
Design Pressure	**Max. Oper. 150 psi / Min. 30 psi (2-10 bar)**
Design Temperature	**180° F**
Viscosity	**1.0 CPS / 30 SSU**
Standard Retention	**150-1,100 microns***
Vessel Material	**316 Stainless Steel**
Elastomers & Plastics	**Viton®/EPT/Delrin®**
Electrical	**115 VAC or 230 VAC 50/60 HZ**
Semi-Auto Voltage	**24 VAC, 115 VAC, 230 VAC 24 VDC 115/230 VAC**
Pneumatic (Clean dry non lubricated air)	**60 PSIG (4 bar) Min. 116 PSIG (8 bar) Max. 5.0 CFM (141.5 L/Min.)**

	MCS-500	MCS-1500	MCS-1500 PLEX
Process Connections	**6" 150# Flanged**	**8" 150# Flanged**	**up to 24" Flanged**
Flow Rates	**up to 500 gpm**	**up to 1,500 gpm**	**up to 12,000 gpm**
Purge	**1-1/2" NPT**	**2" NPT**	

***Tighter retentions available. Please call for more information.**

HIGH FLOW MCS — FLOW VS. PRESSURE DROP



For more information, visit www.filtration.eaton.com.
Or, call 732-767-4200.

EF-HFSS
6-2009