

## MCS1500

### Strainer

Maximum TSS

200 mg/L

Our MCS1500 Strainer is perfect for high-capacity straining needs. Its magnetically coupled actuation eliminates the need for dynamic seals. This technology provides quick and easy access for maintenance, reduces potential leaks, and requires few moving parts while providing long service. The MCS series is engineered to conserve valuable process water while protecting costly equipment from debris. It offers minimal purge volumes in fresh water applications, allowing you to save on cost of make up liquids, chemical treatment and heating energy.



#### Features

- ◇ No dynamic seals
- ◇ Minimal purge for low waste operation
- ◇ Easy in-line installation
- ◇ Continuous 24/7 operation
- ◇ Maintenance friendly design resulting in lower labor costs
- ◇ Eco-friendly. No bag purchase, change, or landfill
- ◇ 316 Stainless steel vessel

#### Applications

- ◇ Fire water system debris removal
- ◇ Storm, ground & waste water management
- ◇ Pipeline hydro-testing
- ◇ Paper coatings
- ◇ PCC/GCC slurries
- ◇ Petroleum based greases
- ◇ Ethanol processing
- ◇ Cip fluids (Sodium Hydroxide)
- ◇ Hot fry oils
- ◇ Detergents

# MCS 1500 Strainer Specifications

HIGH FLOW MCS 1500 SPECIFICATIONS	
Weight	775lbs (352 kg)
Height	102 in (2591 mm)
Flow Rate Range	Up to 1500 gpm/340 m <sup>3</sup> /hr
Max Operating Temperature	180° F (82° C)
Operating Pressure	30-150 psi (2-10 bar)
Viscosity	Water/water like fluids
Retention	150-1,100 microns
Vessel Material	316 Sainless Steel
Elastomers	EPT/EPDM
Process Connections	8in 150# Flanged/ DN 200 Flanged
Purge Connection	2 in NPT/ 2 in BSPT
Air for Actuator Drive (clean dy non lubricated)	80 psi (5.5 bar) min-116psi (8 bar) max 5.0 cfm (141.5L/min)
Electrical for Controllers	115 VAC or 230 VAC 50/60 Hz
Semi-Auto Voltage	24 VAC, 115 VAC, 230 VAC 24 VDC, 115/230 VAC

