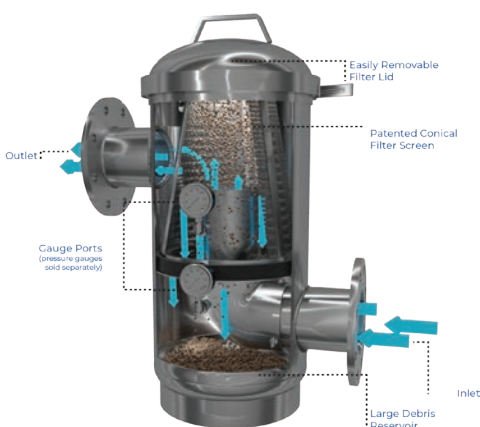# Water Strainers

## Remove Particles from the Water to Keep your Sioux Equipment in Peak Condition

## WHY USE A WATER STRAINER?

A water strainer will ensure you have the highest quality water to use with your Sioux chiller or water heater.



Easily Removable Filter Lid

Patented Conical Filter Screen

Outlet

Gauge Ports
(pressure gauges sold separately)

Inlet

Large Debris Reservoir

## ADVANTAGES

- Large screen surface area
- Minimizes operating costs
- Less than 1 PSI of pressure loss (clean)
- Streamlined design
- Space saving profile
- High-quality stainless steel construction

Sioux water strainers include the Automatic Timer Flush Package with PLC and pressure transducers to monitor the differential pressure across the internal screen. The controller allows the user to adjust the PSID alarm set point which will trigger the audible siren and flashing red light alarms as well as actuate the Automatic Timer Flush Package.

## PRESSURE DIFFERENTIAL ALARM

- 110V/24VDC Power Supply
- PLC Controller
- Pressure Transducers for Increased Accuracy of Differential Pressure Calculation and System Pressures.
- Alarm Output Relay for Your Building Management System.
- Nema4X Enclosure Rating with Clear Enclosure Cover for Status and Alarm Viewing.

## AUTOMATIC TIMER FLUSH

- Automatically Purges Particles from Bottom Reservoir
- Manual Flush Override
- NEMA 4X Enclosure Rating
- 316 SS Ball and Stem
- Open and Close Indicator
- Valve Threads On Strainer Flush Port (Standard 1.5")
- Adjustable Flush Frequency and Flush Duration

## WATER STRAINER SPECS

| Sioux Part # | Inlet/Outlet Size & Type | Max Flow (GPM)* | Max Pressure Rating | Lid Closure Type | Screen Type |
|---|---|---|---|---|---|
| FT02692 | 2" NPT | 100 GPM | 125 PSI | Clamp | 100 Mesh |
| FT02693 | 3" NPT | 200 GPM | 125 PSI | Clamp | 100 Mesh |
| FT02681 | 4" Flanged | 350 GPM | 150 PSI | Bolted | 100 Mesh |
| FT02682 | 6" Flanged | 750 GPM | 150 PSI | Bolted | 100 mesh |

*Max flow varies depending on solids loading and screen size*

## APPLICATIONS

- **Chiller Water**
- **Well / Surface Water**
- **Process Water**
- **Reclaimed Water**
- **Municipal Water**

## INDUSTRIES

- **Concrete Batching**
- **Mining Operations**
- **Chemical Processing**
- **Food/Beverage** (Sanitary Design)
- **Agriculture**

### Housing & Internal Piping
Type 304 Stainless Steel 4"& 6" models come standard with internal PVC elbow and riser pipe assembly

### Internal Conical Screen Elements
Screen Support Frames - Type 304 Stainless Steel

### Screen Mesh
Type 316 Stainless Steel is standard

### Gaskets
EPDM is standard

### Lid Fasteners
Bolted Lid Models - Grade 5 bolts/nuts; zinc plated washers

Clamp Lid Models - 304 stainless steel clamps

## Call us Toll Free at (877) 763-4032

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