

Temperature Control Units

Water & Oil
30° - 500°F

Portable Chillers

Air & Water-Cooled
20° - 70°F

Central Chillers

Air & Water-Cooled
Packages & Modules
20° - 70°F

Pump Tank Stations

Chilled or Tower Water
200 - 3600 gallons

Cooling Tower Cells

45 - 540 tons

Filters

Heat Exchangers

Heat Recovery Units

WARRANTY

1 Year:

Covering parts and labor

MLS SERIES

- Full or Side Stream Flow
- Chilled or Tower Water



MLS-3 with optional pressure gauges

MLS-4 with optional pressure gauges

MLS-6 with optional PDA and ATF features

PROCESS FLOW RATES:

- 5 to 2000 GPM

STANDARD SCREEN MESHES:

- 279 and 140 microns

AVAILABLE SCREEN MESHES:

- 55 to 1000 microns

FOR SIDE STREAM OR FULL FLOW INSTALLATIONS

ADVANTAGE MLS Series filters are the perfect alternative to expensive, automatic filter systems. MLS filters are more dependable than many other intricate filters now available.

The shape and size of the conical screen makes the MLS Series filter more functionally efficient than the competition.

As water enters the bottom of the strainer housing and flows upward, heavier debris and particulate is accelerated downward away from the conical screen, into the sizable reservoir at the base of the strainer.

Due to the flow path through the strainer, in combination with the generous amount of surface area on the conical screens, all models operate with less than a 1 PSI pressure drop.

The MLS Series Filter can be customized to fit your specific needs.



Conical filter removed from shell.

APPLICATIONS

MLS Series filters can be used on a variety of process applications.



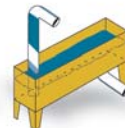
Molds & Dies



Nozzles, Barrels & Tools



Heat Exchangers



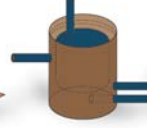
Troughs & Tanks



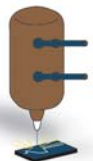
Rolls



Radiators and Air Coils

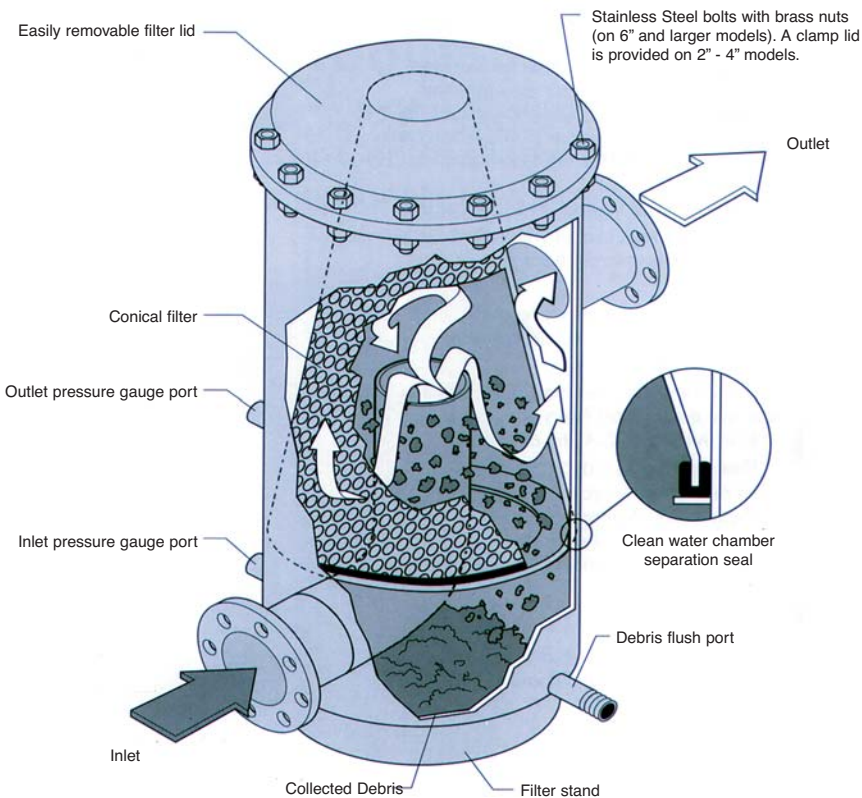


Jacketed Vessels and Mixers



Lasers

TYPICAL FILTER OPERATION



STANDARD FEATURES

STANDARD FILTER SCREEN MESH:

- 50 mesh (279 microns)
- 100 mesh (140 microns)

CONSTRUCTION MATERIALS:

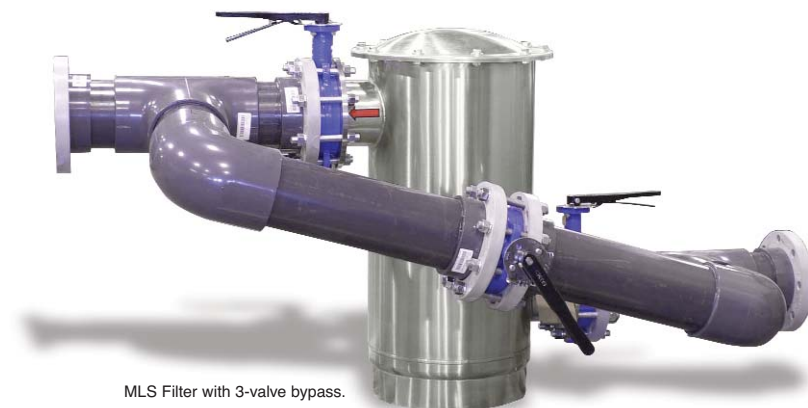
- Body : type 304 stainless steel
- Flanges : 150 lb type 304 stainless steel
- Filter : type 304 stainless steel
- Pressure gauge port: 1/4" NPT standard

OPTIONS

- Pressure differential alarm (PDA)
- Purge valve with timer (ATF)
- 3-valve bypass
- Alternate screen meshes
55 - 1000 microns

SPECIFICATIONS

| | | MLS-2 | MLS-3 | MLS-4 | MLS-6 | MLS-8 | MLS-10 |
|----------------------------|-------------------|-------|--------|--------|--------|--------|--------|
| Size | Inches | 2 | 3 | 4 | 6 | 8 | 10 |
| Maximum Flow Rate | GPM | 100 | 200 | 350 | 750 | 1,300 | 2,000 |
| Working Pressures | PSI | 125 | 125 | 125 | 150 | 150 | 150 |
| Flush Port Sizes | NPT | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 |
| Dimensions (inches) | Canister Diameter | 6 1/2 | 9 | 11 1/2 | 17 | 23 | 30 |
| | Height | 16 | 16 | 26 | 36 | 48 | 59 |
| | Total Width | 10 | 13 1/2 | 19 | 25 | 31 3/4 | 40 |
| Connection Type | | NPT | NPT | Flange | Flange | Flange | Flange |
| Lid Style | | Clamp | Clamp | Clamp | Bolt | Bolt | Bolt |
| Unit Weight | LBS | 13 | 27 | 60 | 125 | 230 | 400 |



WARRANTY & SERVICE... MLS Series Filters are supported by a comprehensive factory warranty. Refer to bulletin ADV-205 for complete warranty details. The Advantage service department is staffed with experienced technicians, and supported by a network of independent service contractors. With Advantage service is just a phone call away.



Phone: 317-887-0729 Web: www.AdvantageEngineering.com

TEMPERATURE CONTROLLERS • PORTABLE CHILLERS • CENTRAL CHILLERS • PUMP TANK STATIONS • TOWER SYSTEMS • FILTERS

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