

• **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 Filter Screen Selections:**

50 mesh (297 micron) & 100 mesh (149 micron)

**Optional Filter Screen Selections:**

As fine as 200 mesh (74 micron)

## 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.

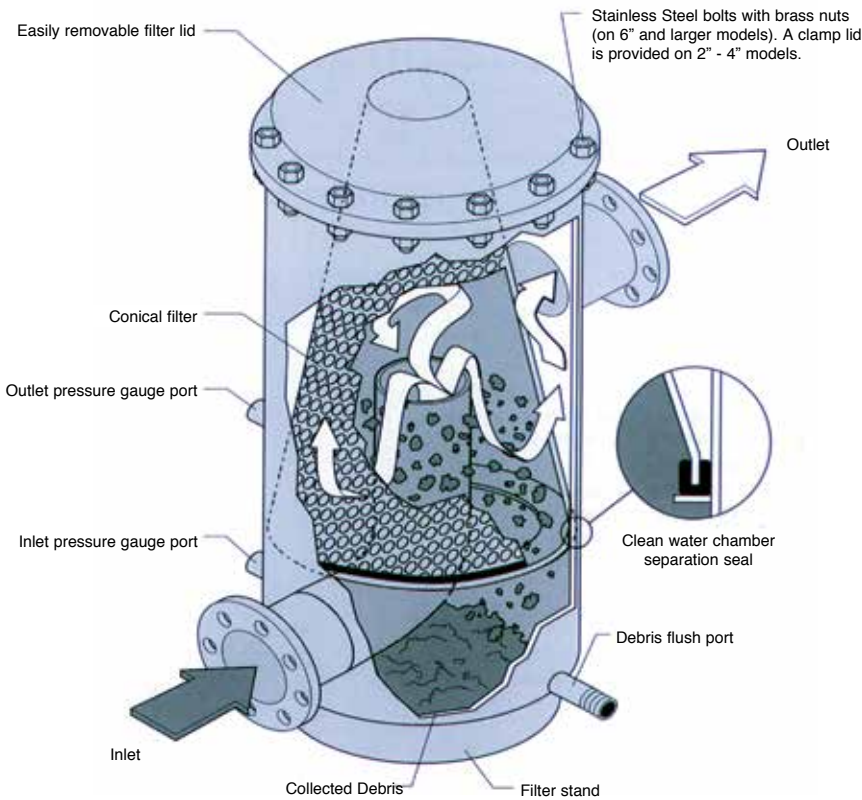


## APPLICATIONS

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



# TYPICAL FILTER OPERATION



## STANDARD FEATURES

### STANDARD FILTER SCREEN MESH:

- 50 mesh (297 microns)
- 100 mesh (149 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 : as fine as 200 mesh (74 micron)

## SPECIFICATIONS

		MLS-2	MLS-3	MLS-4	MLS-6	MLS-8	MLS-10
<b>Size</b>	Inches	2	3	4	6	8	10
<b>Maximum Flow Rate</b>	GPM	100	200	350	750	1,300	2,000
<b>Working Pressures</b>	PSI	125	125	125	150	150	150
<b>Flush Port Sizes</b>	NPT	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
<b>Dimensions (inches)</b>	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
<b>Connection Type</b>		NPT	NPT	Flange	Flange	Flange	Flange
<b>Lid Style</b>		Clamp	Clamp	Clamp	Bolt	Bolt	Bolt
<b>Unit Weight</b>	LBS	13	27	60	125	230	400



MLS Filter with 3-valve bypass.

**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](http://www.AdvantageEngineering.com)

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

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