

SERIES LS

HORIZONTAL DISC
FILTRATION SYSTEMS

Model
13000-LS-SY



Model
6500-LS-SY



MEFIAG® is the world's leader in the design and manufacture of filter systems utilizing horizontal disc technology for superior performance. These high efficiency, high flow systems are used in the toughest, most corrosive applications in the plating and metal finishing industry. MEFIAG's® reputation has been built over 40 years' service to our customers.

- ✓ Horizontal disc technology for greater surface area and maximum efficiency.
- ✓ Large sludge holding capacity
- ✓ Low disposal cost.
- ✓ Wider range of flow rates for optimum bath turnover rates.
- ✓ Corrosion resistant construction for use in most severe applications.
- ✓ Temperatures to 190°F(90°C).
- ✓ Mechanical lifting device for easy access to filter pack.
- ✓ All polypropylene pump.
- ✓ CRS mechanical seal with silicon carbide faces.
- ✓ Powder coated steel frame with casters for easy handling.
- ✓ Choice of cellulose, carbon/cellulose, and reusable polypropylene media.
- ✓ NEMA 4 water tight, corrosion resistant starter.
- ✓ Optional lifting device for easy pack removal

Exclusive MEFIAG® stainless steel lifting device provides for simple mechanical movement of the cover for maintenance purposes. Just turn crank to raise lid. Then swing lid away to access filter media. ▶



Specifications

Filter

Filter chambers are constructed of mild steel with hard rubber lining (3 mm) on the interior and corrosion resistant paint (2 coats) on the exterior.

A flanged tangential inlet is standard, along with a bottom outlet and drain.

Stainless steel eyebolts with handwheels hold the powder coated steel cover in place. The lifting device provides for mechanical movement of the cover for maintenance purposes.

A pressure gauge (0-60 PSI) is supplied with a corrosion resistant guard.

Filter media suited for the application is placed between the rigid polypropylene filter discs. Filter media of various materials and micron ratings are available. Ten (10) micron cellulose is standard.

All systems are mounted on a powder coated structural steel frame with casters for easy handling.

Pump

Polypropylene centrifugal pumps are equipped with TEFC, flange mounted motors. Mechanical seal is MEFIAG CRS-25/B with silicon carbide faces. Pump shaft is stainless steel. The motor starter is mounted in corrosion resistant, water tight NEMA 4 enclosure.

Slurry Tank

Slurry tanks are mild steel construction with an interior of hard rubber (3 mm) and an exterior of corrosion resistant paint (2 coats). They are used to facilitate pre-coating and addition of activated carbon (if required), as well as solution make-up and priming of the pump. The slurry tank can also be used to store solution from the filter chamber during changing of media or maintenance.

Pre-coating provides superior filtration and extends the life of the filter media.

Piping, Valves and Connections

Piping, valves, and connections are all CPVC construction.

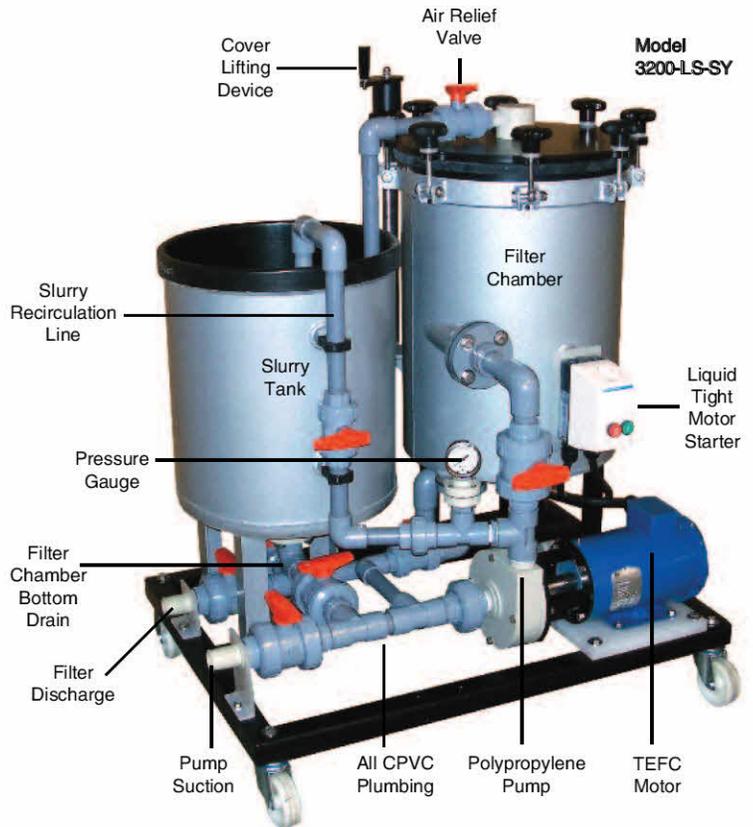
Suction of the pump is piped to permit flow from the solution tank, slurry tank, and the filter chamber.

X-Construction

X-construction is used for more aggressive solutions such as acid copper, acid zinc, and acid tin. The filter chamber and slurry tank are outside rubber lined, the base and cover are powder coated and the pump shaft is titanium.

VD Lid Assembly (6500/13000 Optional)

VD lid assembly is used to tighten down the disc stack verses the cover.



Parameter	Model 3200-LS	Model 6500-LS	Model 13000-LS
Precoated Flow Rate (GPH) (Filtering Capacity)	3,200	6,500	13,000
Open Pumping Capacity (GPH)	4,400	7,200	14,400
Filtration Surface Area (F ²)	32	62	124
Number of Filter Media	33 (14" Diameter)	35 (19" Diameter)	70 (19" Diameter)
Sludge-Holding Capacity (F ³)	1.09	2.63	5.26
Dimensions-SY w/o Slurry Tank (LxWxH)	41"x30"x50" 30"x24"x50"	53"x39"x53" 39"x32"x53"	90"x55"x55" N/A
Net Weight-SY (approx) w/o Slurry Tank (approx) (Crated)	790 650	1250 975	1900 N/A
Hose Connections			
Suction	1-1/2"	2-1/2"	2-1/2"
Discharge	1-1/2"	2"	2"
Hose Length (Suction and Discharge)	10'	10'	10' (Two of Each)
Motor*	2 HP TEFC	3 HP TEFC	3 HP TEFC (Two Motors)

*Motor availability (Specify completely with order):
2 HP or 3 HP - 208, 230, 460, and 575 VAC (all 60 HZ, three-phase only)
Fully-wired, liquid-tight motor starter with magnetic switch is included for proper thermal and overcurrent protection

Represented by: