

SERIES 0620/2500/4500/6500/9000-HT HORIZONTAL DISC FILTRATION SYSTEMS

CECO Mefiag

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CORROSION RESISTANT
STAINLESS STEEL CONSTRUCTION

**Model 2500-HT
with stainless
steel mechanical
seal pump**



Exclusive MEFIAG® stainless steel lifting device (for 4500, 6500 & 9000 Series) 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. ▼



The MEFIAG® Advantage

MEFIAG® is recognized throughout the world as the leading supplier of high efficiency, high quality, horizontal disc filters for superior performance. Series 0620/2500/4500/6500/9000-HT are specifically designed for the filtration of hot-sealing baths or other process baths with working temperatures up to 210°F (99°C) and capacities up to 10,000 gal/hr (40m³/hr).

The HT Series, which is designed for filtering high temperature solutions, utilizes a unique insulated double-walled filter housing design. The outside wall, due to isolation from the solution, will never reach a temperature of more than 113°F (45°C). Mefiag's HT Series filter housing is constructed of stainless steel and is electrolytic polished inside and out. It is equipped with a diaphragm pressure gauge for high temperature service.

Features and Benefits

- ✓ 100 GPH per sq/ft of surface area
- ✓ Suitable for hot-sealing applications
- ✓ Filter assembly can be removed in its entirety
- ✓ Temperatures to 210°F (94°C).
- ✓ Pre-coated flow rate to 9000 GPH
- ✓ Large sludge holding capacity
- ✓ Low disposal cost
- ✓ High efficiency
- ✓ Specific gravities to 1.5
- ✓ Shipped ready for immediate operation
- ✓ NEMA 4 water tight, corrosion resistant starter
- ✓ Mechanical cover lifting device for easy access to filter pack (not available on the 0620 and 2500 Series)

Specifications

Filter

Filter chambers are constructed of stainless steel.

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 of various materials and micron ratings are available. Ten (10) micron polyester is standard.

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

Pump Options

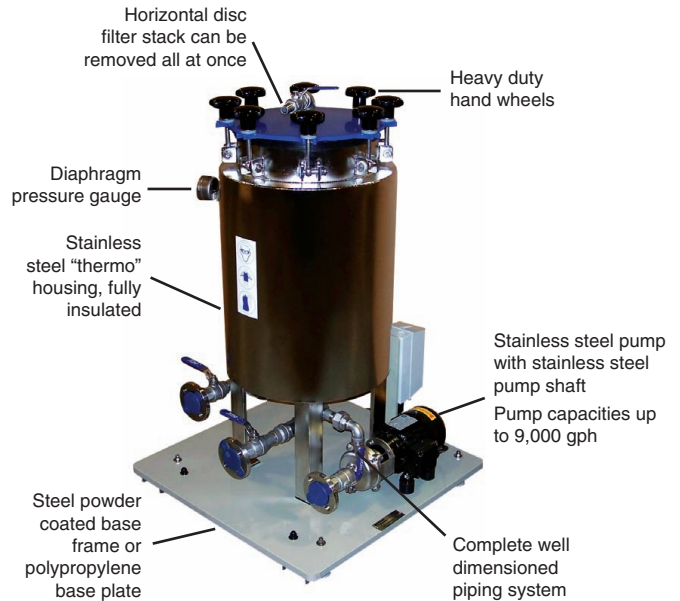
Stainless steel mechanical seal pump is standard. Optional PVDF mechanical seal pump is available through 6500 model.

Slurry Tank Option

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 maintenance.

Piping, Valves and Connections

Piping, valves, and connections are all hard pipe stainless steel. SY models are piped to allow for flow from the solution tank, optional slurry tank, and the filter chamber.



Model 2500-HT

Parameter	Model 0620-HT	Model 0620-HT-SY	Model 2500-HT-SY	Model 2500-HT	Model 4500-HT	Model 4500-HT-SY	Model 6500-HT	Model 6500-HT-SY	Model 9000-HT	Model 9000-HT-SY
Precoated Flow Rate	1200 GPH	1200 GPH	2500 GPH	2500 GPH	4500 GPH	4500 GPH	6500 GPH	6500 GPH	9000 GPH	9000 GPH
Filtration Surface Area (ft ²)	12	12	25	25	44	44	62	62	89	89
Number of Filter Media	35 (8" Diameter)	35 (8" Diameter)	40 (12" Diameter)	40 (12" Diameter)	44 (14" Diameter)	44 (14" Diameter)	35 (19" Diameter)	35 (19" Diameter)	50 (19" Diameter)	50 (19" Diameter)
Sludge-Holding Capacity	225 in ³	225 in ³	672 in ³	672 in ³	.92 ft ³	.92 ft ³	2.97 ft ³	2.97 ft ³	1.84 ft ³	1.84 ft ³
Slurry Tank	None	Included	None	Included	None	Included	None	Included	None	Included
Approx. Dimensions (in.)	31 x 16 x 43	40 x 16 x 43	37 x 20 x 46	43 x 20 x 46	30 x 24 x 50	41 x 30 x 50	39 x 32 x 53	53 x 39 x 53	44 x 36 x 59	59 x 44 x 59
Approx. (Crated) Weight (lbs.)	245	310	410	460	600	720	975	1250	1140	1280
Flanged Connections (Suction & Discharge)	1-1/4" Inlet 1-1/4" Outlet	1-1/4" Inlet 1-1/4" Outlet	1-1/4" Inlet 1-1/4" Outlet	1-1/4" Inlet 1-1/4" Outlet	1-1/2" Inlet 1-1/4" Outlet	1-1/2" Inlet 1-1/4" Outlet	2" Inlet 1-1/2" Outlet	2" Inlet 1-1/2" Outlet	2" Inlet 2" Outlet	2" Inlet 2" Outlet
Motor*	1 HP	1 HP	1 HP	1 HP	3 HP	3 HP	3 HP	3 HP	5 HP	5 HP

Represented by: