

CECO Mefiag

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SERIES 0310/0620/0640-CR HORIZONTAL DISC FILTRATION SYSTEMS

CORROSION RESISTANT
SOLID PVDF CONSTRUCTION

Model
0310-CR-SY



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 0310/0620/0640-CR is a design that incorporates the best that MEFIAG has to offer including solid PVDF construction and magnetic drive pump as standard.

Features and Benefits

- ✓ Solid PVDF construction withstands highly acidic environments
- ✓ PVDF magnetic drive pump with silicone carbide bearings is standard
- ✓ “Unitized pack/cover” disc assembly
- ✓ Reusable media
- ✓ Suitable for chromic acid
- ✓ Filter assembly can be removed in its entirety
- ✓ Temperatures to 194°F (90°C)
- ✓ Pre-coated flow rate to 1600 GPH
- ✓ Large sludge holding capacity
- ✓ Low disposal cost (100 GPH per sq/ft of surface area)
- ✓ High efficiency
- ✓ Specific gravities to 1.5
- ✓ Shipped ready for immediate operation



“Unitized Pack/Cover”
PVDF Disc Assembly

Filter Pack Easily Maintained

All filter discs are attached to the filter cover to allow easy removal for maintenance. The unique cover design on all models converts into a filter pack stand when the pack is removed. Reusable polyester filter media is standard with optional PVDF media available.

Specifications

Filter

The filter chamber is constructed of solid PVDF with bottom inlet and bottom discharge.

Stainless steel eyebolts with handwheels hold the powder coated steel cover in place. An air release diaphragm valve is provided.

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

Base is PVC with stainless steel channel support structure and PVC feet. Casters are available upon request.

Unitized Pack

The disc assembly is all PVDF. All filters discs are attached to the filter cover to allow easy removal for maintenance. The unique filter cover design on all models converts into a filter pack stand when pack is removed.

Reusable filter media is placed between the rigid PVDF discs. Ten (10) micron polyester is standard. Optional filter media available.

PVDF Pump Options

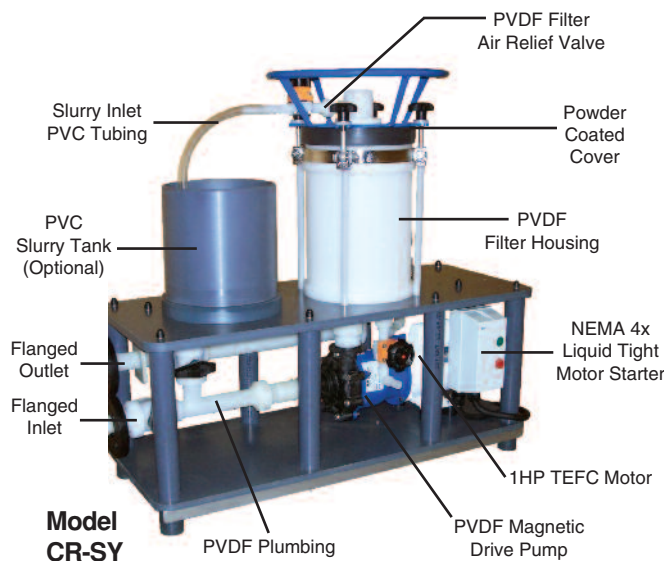
A PVDF magnetic drive pump Model KM is furnished with a 1HP TEFC motor. PVDF mechanical seal pump or self-priming PVDF magnetic drive pump available. High purity silicon carbide bearings and Viton O-rings are standard on magnetic drive pumps. Silicon carbide with Viton O-ring provided with mechanical seal pump. The NEMA 4x motor starter is housed in a liquid tight enclosure.

Slurry Tank

The slurry tank is all PVC construction and is furnished with Model CR-SY units. Slurry tanks are used to facilitate pre-coating, addition of carbon (if required), and solution make-up. These are sized to store the complete capacity of the filter chamber during changing of the media or maintenance.

Piping, Valves and Connections

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



Parameter	Model 0310-CR	Model 0310-SY-CR	Model 0620-CR	Model 0620-SY-CR	Model 0640-CR	Model 0640-SY-CR
Precoated Flow Rate (Filtering Capacity)	600 GPH	600 GPH	1200 GPH	1200 GPH	1600 GPH	1600 GPH
Open Pumping Capacity	2,400 GPH	2,400 GPH	2400 GPH	2400 GPH	2400 GPH	2400 GPH
Filtration Surface Area (Ft²)	7	7	12	12	16	16
Number of Filter Media (8-81/8" Diameter)	20	20	35	35	45	45
Sludge-Holding Capacity (In³)	151	151	265	265	341	341
Slurry Tank	None	Included	None	Included	None	Included
Approx. Dimensions (In)	31Lx16Wx36H	40Lx16Wx36H	31Lx16Wx43H	40Lx16Wx43H	31Lx16Wx47H	40Lx16Wx47H
Approx. (Crated) Net Weight (Lbs)	225	290	245	310	270	370
Flanged Connections (Suction and Discharge)	Suction 1-1/4" Discharge 1-1/4"	Suction 1-1/4" Discharge 1-1/4"	Suction 1-1/4" Discharge 1-1/4"	Suction 1-1/4" Discharge 1-1/4"	Suction 1-1/4" Discharge 1-1/4"	Suction 1-1/4" Discharge 1-1/4"
Motor*	1 HP TEFC	1 HP TEFC	1HP TEFC	1HP TEFC	1HP TEFC	1HP TEFC

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Represented by: