BULLETIN PP

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

CORROSION RESISTANT
ALL POLYPROPYLENE CONSTRUCTION

MEFIAG Filter Systems

Model
0310-PP

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-PP is a design that incorporates the best that MEFIAG has to offer including all polypropylene construction and magnetic drive pump as standard.

Features and Benefits

- ✓ All polypropylene construction withstands highly acidic environments
- ✓ Magnetic drive pump with silicone carbide bearings is standard
- ✓ "Unitized Pack/Cover" disc assembly
- ✓ Large sludge holding capacity
- ✓ Low disposal cost (100 GPH per sq/ft of surface area)
- ✓ High efficiency
- ✓ Pre-coated flow rate to 1600 GPH
- ✓ Temperatures to 180°F(82°C)
- ✓ Specific gravities to 1.5
- ✓ Shipped ready for immediate operation

Filter Pack Easily Maintained

All filter discs are attached to the 'ALL PRO' Series 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. Both disposable and reusable filter media can be utilized.

Specifications

Filter

The filter chamber is constructed of all polypropylene with bottom inlet and top 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 polypropylene with stainless steel channel support structure and polypropylene feet. Casters are available upon request.

Unitized Pack

The disc assembly is all polypropylene. 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.

Filter media selected for the application is placed between the rigid polypropylene discs. Ten (10) micron cellulose is standard. Carbon/cellulose (10 micron) and polypropylene of various densities are available.

Magnetic Drive Pump

A polypropylene, magnetic drive pump Model PM is furnished with a 1HP TEFC motor. High purity silicon carbide bearings and viton o-rings are standard. The magnetic switch motor starter is housed in a liquid tight enclosure.

Slurry Tank

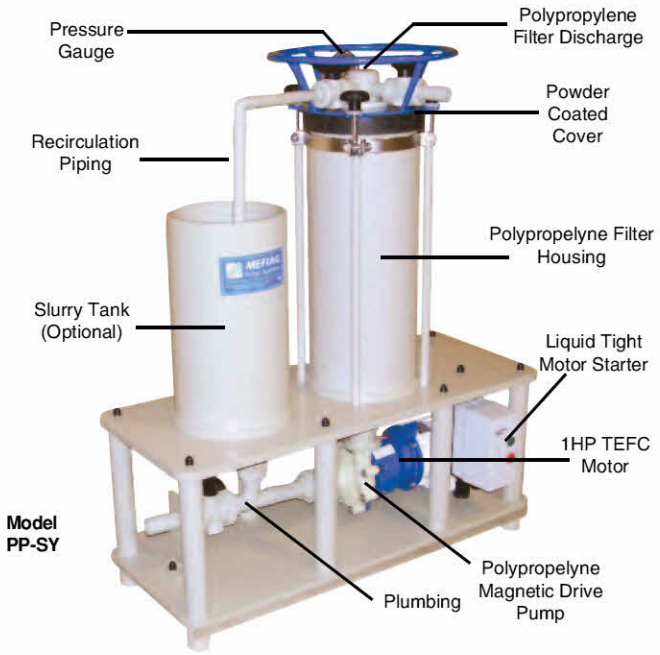
The slurry tank is all polypropylene construction and is furnished with Model PP-SY units. Slurry tanks are used to facilitate pre-coating, addition of carbon (if required), and solution make-up. These are sized to store the complete capacity of the filter chamber during changing of the media or maintenance.

Piping, Valves and Connections

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

Options

- ✓ Granular carbon treatment kits
- ✓ Single seal polypropylene pump
- ✓ Cartridge kits
- ✓ Self-priming magnetic drive pump



Parameter	Model 0310-PP	Model 0310-SY-PP	Model 0620-PP	Model 0620-SY-PP	Model 0640-PP	Model 0640-SY-PP
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 (Ft^2)	7	7	12	12	16	16
Number of Filter Media (8-81/8" Diameter)	20	20	35	35	45	45
Sludge-Holding Capacity (In^3)	123	123	225	225	280	280
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
Hose Connections (Suction and Discharge)	Suction 1-1/2" Discharge 1-1/4"	Suction 1-1/2" Discharge 1-1/4"	Suction 1-1/2" Discharge 1-1/4"	Suction 1-1/2" Discharge 1-1/4"	Suction 1-1/2" Discharge 1-1/4"	Suction 1-1/2" Discharge 1-1/4"
Hose Length (Total)	2 - 10' each	2 - 10' each	2 - 10' each	2 - 10' each	2 - 10' each	2 - 10' each
Motor*	1 HP TEFC	1 HP TEFC	1HP TEFC	1HP TEFC	1HP TEFC	1HP TEFC

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