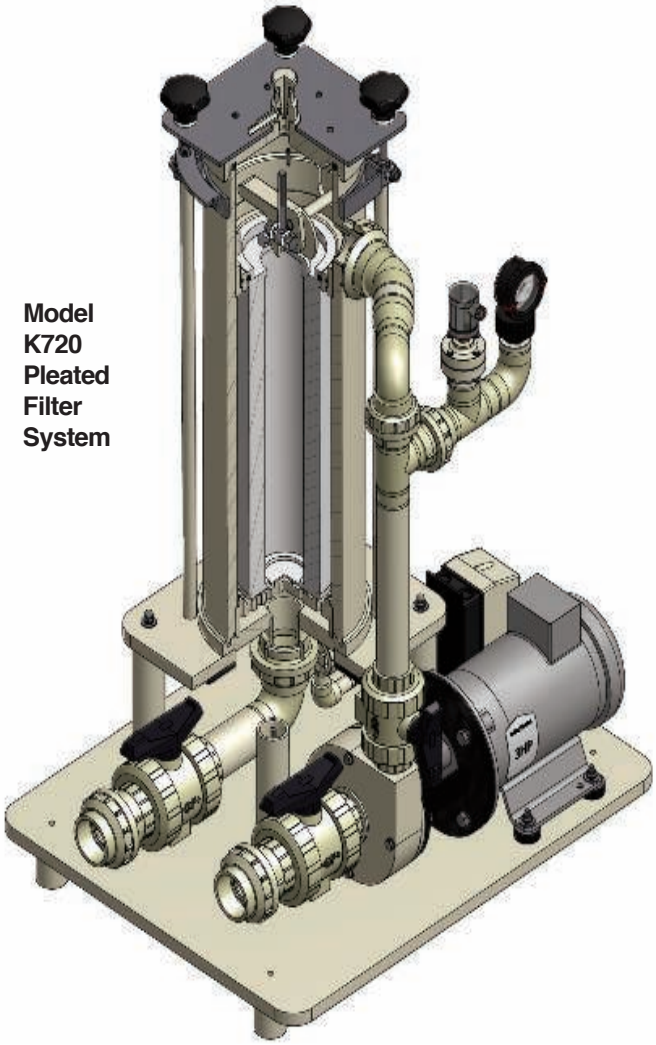
CECO Mefiag

BULLETIN MKF

SERIES MKF PLEATED FILTRATION SYSTEMS

CORROSION RESISTANT
SOLID PP CONSTRUCTION



Model K720 Pleated Filter System

The MEFIAG® Advantage

MEFIAG® is recognized throughout the world as the leading supplier of high efficiency, high quality, filters for superior performance. Series MKF is a design that incorporates the best that MEFIAG has to offer including solid PP construction.

Features and Benefits

- ✓ Solid PP construction
- ✓ Compact Design
- ✓ Small footprint
- ✓ Single 6"Ø cartridge flow capacity to 4500 GPH
- ✓ Easy change out (takes only minutes to change out element)
- ✓ Greater surface area
- ✓ Solid PP mechanical seal pump with silicon carbide seal
- ✓ High efficiency
- ✓ Easy maintenance procedures
- ✓ Low pressure drop
- ✓ Shipped for immediate operation

MK Series Pleated Filter Cartridge

MK Series High Performance Pleated Filter Cartridge

Designed for applications where high flow rate and precise particle removal rating is required.

- ✓ Solids are contained with in the filter element
- ✓ 100 pure polypropylene
- ✓ 10 micron standard
- ✓ 27 square feet of filtration area
- ✓ Greater dirt holding capacity
- ✓ Inside-out flow

Specifications

Filter

The filter chamber is constructed of solid PP.

Stainless steel bolts with handwheels hold the solid polypropylene 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 PP with stainless steel channel support structure and PP feet. Casters are available upon request.

Sealed House Filter Chamber

Exclusive Mefiag sealed house filter chamber system is constructed from solid polypropylene. System ensures that 100% of the solution from the process tank goes to the center of the filter element to eliminate bypass.

Pump

Model CRS polypropylene centrifugal pump is equipped with TEFC flanged mounted motor. Mechanical seal is Mefiag CRS-25B with silicon carbide faces. Pump shaft is stainless steel with other shafts available.

Optional Magnetic Drive Pump

Optional polypropylene magnetic drive pump Model PM is furnished with 3 HP TEFC motor. High purity silicon carbide bearings and viton o-rings are standard. Self-priming Model PMSP pump is also available.

Motor Starter

The motor starter is mounted in corrosion resistant water tight NEMA 4X enclosure.

Piping, Valves and Connections

Piping, valves, and connections are all hard pipe PP.

Parameter	Model K720
Flow Rate (GPH) (Filtering Capacity)	4500
Filtration Surface Area (Ft^2)	27
Filter Media	(1) 6"Ø x 20" L PP Pleated Element
Approx. Dimensions (In)	32Lx26Wx46H
Approx. (Crated) Net Weight (Lbs)	400
Connections (Suction and Discharge)	See Drawing
Motor*	3 HP TEFC

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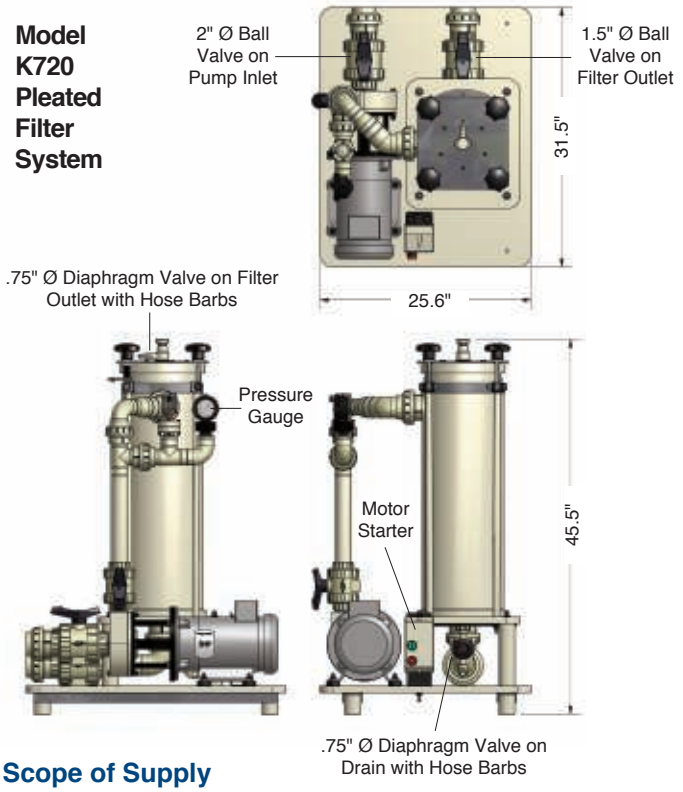

Scope of Supply

(1) Filter chamber (Polypropylene)
6"Ø pleated filter = 27 sq. ft. of surface area

(1) Mefiag CRS-110-PP mechanical seal pump with 3 HP 3500 RPM motor and silicon carbide seal standard

(1) Lot of PP plumbing and valves (does not include plumbing to and from filter system). Chamber bleed-off and drain to have hose barb fittings

* NOTE: For inlet and outlet connections, reference the dimensions below

	InletØ	OutletØ
Hosebarbs	2-1/2"	2"
Threaded	2"	1-1/2"
Flanged	2"	1-1/2"

(1) Polypropylene baseplate with feet

(1) NEMA 4X motor starter

(1) Pressure guage

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