610-1301-01 - Data Sheet

3-Inch Duplex S.S. Bag Filter Model/Make: Bag Filter SS / Krystil Klear L88303FA41523F4DF

Product Description

Two independent filter housings are skid-mounted and manifolded such that one filter unit is active while the other is out of service. Both filters can also be in service at the same time. Inlet and outlet connections are provided on each end of the skid. These units can be used for filtering a wide range of industrial and commercial process fluids, groundwater discharge from construction sites, stormwater or urban runoff.

Technical Data

Weights and Measures

| Capacity* | Single Filter: 100 gpm Both Filters in parallel: 200 gpm |
|--------------------|---|
| Design Pressure | 150 psi |
| Design Temperature | 200°F max. |
| Height | 5' - 1" <i>(overall)</i> |
| Width | 4' - 0'' |
| Depth | 3' - 8'' |
| Weight | 800 lbs |
| | |

*Capacity (flowrate) depends on factors such as liquid viscosity, micron value of the filter media, solids loading etc. Assuming water as the filtrate and factoring in pressure drop only, 200 gpm is a practical upper limit for a size #2 bag with a 10 micron rating. Clean pressure drop would be 2-3 psi. Lowering the micron rating increases the pressure drop. The minimum pressure drop for this unit at higher micron ratings is 1-2 psi. Filter bags should be changed out at 15-18 psid, or earlier if the process requires it.

Wetted Materials for material compatibility check

| 304 Stainless Steel | Filter vessel; piping |
|---------------------|-----------------------|
| Buna | Top cover seal |

Skid Design

| Skid | 2"x2" and 2"x4" c.s. structural tubing |
|--------------|--|
| Vessel Mount | Legs are attached to |
| | cross supports on skid |

Surface Details

| Exterior Coating | High gloss polyurethane |
|------------------|-------------------------|
| | on the skid only |

Filter Design

| Filter Housing | Krystil Klear model L88303FA41523F4DF (8" <i>dia. X 36" long</i>) |
|------------------|---|
| Top Cover | Three eye nuts; hinged for easy access |
| Piping | 3" schedule 40 304 S.S. (SA-312-304) |
| Inlet & Outlet | 3" Male Cam Lock |
| Cover Seal | Buna N <i>(Nitrile)</i> o-ring |
| Housing Material | 304 S.S. (SA-312-304) |
| Filter Basket | 30" deep, 6.7" diameter, 4.4 sq. ft. surface area, 1000 cu. in. volume, 9/64" dia holes (5 <i>1% open</i>) |
| Filter Media | Filter bags, size #2. Wide range of micron ratings is available, down to 1.0. |
| Vent Valves | 1/4" ball valve on top cover |
| Drain Valves | 1" threaded ball valve on the bottom of each housing |

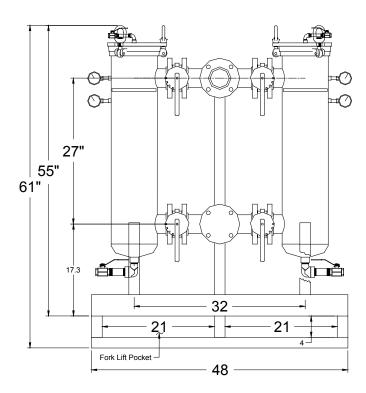


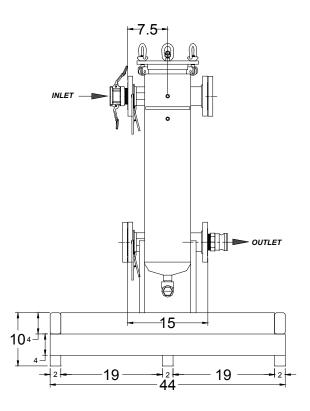
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