4” 304 S.S. BAG FILTER SYSTEM

**GENERAL INFORMATION**

Single vessel mounted on a forkliftable skid. Housing is not ASME code stamped. Different filter elements are available depending on job requirements and should be specified by the customer prior to use.

**WEIGHTS AND MEASURES**

- **Capacity*: 200 – 500 gpm (≤ 5 microns and up)
- **Design Press:** 150 psig
- **Design Temp:** 225°F max.
- **Height:** 6'-1" [overall]
- **Width:** 4'-0"
- **Depth:** 4'-0"
- **Weight:** 850 lbs. [approx.]

*Capacity [flowrate] depends on factors such as liquid viscosity, micron value of the filter media, solids loading etc. Assuming water as a filtrate and factoring in pressure drop only, 500 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. These units are gravity-flow capable.

**SKID DESIGN**

- **Skid:** 2”x2” and 2”x4” c.s. structural tubing
- **Vessel Leg Supports:** 3x3.375 angle, SA-36
- **Forklift Pockets:** Through front and rear framing channels (Each pocket is 21" wide)

**FILTER DESIGN**

- **Assembly Number:** Krystil Klear L2424304FA415-SKID
- **Top Head:** Nine closure bolts and nuts with davit lift assembly. 24” O.D., 0.25” thk, SA-240 Gr. 304
- **Shell:** 24” O.D., 0.25” thick weld pipe, SA-312 Gr. 304
- **In/Out Piping:** 4” Male Cam Lock
- **Inlet & Outlet:** 4” 150# 304 S.S. RFSO flanges
- **Bag Elements:** Four required: One size #2, 7-1/16” snap ring & 30” length required; Available fibers range from 1 to 1500 microns.
- **Lid Seal:** Buna N O-ring
- **In/Out Valves:** 4” 150” butterfly with Buna seat
- **Internal Hardware:** 316 SS center guide post, cup & spring assemblies

**TESTS / CERTIFICATIONS**

- **Test Performed:** OEM Hydrotested @ 195 psi. Scheduled QMS inspections after purchase by BakerCorp.

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