

**PRODUCT DATA SHEET**

April, 2007

**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:	3x3x.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. RF50 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.
-------------------	---

