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**: 2300 – 3500 gpm [@ 1 micron and up]
- **Design Press**: 150 psig
- **Design Temp**: 225°F max. (gasket dependent)
- **Height**: 8’-6” (overall)
- **Width**: 6’-11”
- **Depth**: 4’-10”
- **Weight**: 1125 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, 3500 gpm is a practical upper limit for a size #2 bag with a 100 micron rating; 2300 gpm with 1-micron rated bags. 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.

SKID DESIGN

- **Skid**: 2”x2” and 2”x4” A36 c.s. structural tubing
- **Vessel Leg Supports**: 3x3x.375 angle, SA-36
- **Forklift Pockets**: Through front and rear framing channels (Each pocket is 38” wide)

TESTS / CERTIFICATIONS

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

FILTER DESIGN

- **Assembly Number**: Krystil Klear L48483012FAC1523
- **Top Head**: [24] closure bolts and nuts with davit lift assembly. 48” O.D., 0.375” thk, SA-516 Gr. 70 carbon steel
- **Shell**: 48” O.D., 0.375” thick x 28” L. R & T, SA-516 Gr. 70 carbon steel
- **Inlet & Outlet**: 12” 150# RFSO flanges, SA-105 c.s.
- **Bag Elements**: 23 required: 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**: 12” 150” butterfly with Buna seat
- **Internal Hardware**: SA-516 Gr. 70 tube sheet