**GENERAL INFORMATION**

Two independent filter housings are skid-mounted and piped such that one filter unit is active while the other is out of service. Inlet and outlet connections are provided on each end of the skid. Use for filtering a wide range of industrial and commercial process fluids, groundwater discharge from construction sites, stormwater or urban runoff.

**WEIGHTS AND MEASURES**

- **Capacity:** Up to 140 gpm per filter when clean (depends on filter media micron rating)
- **Design Press:** 150 psi
- **Design Temp:** 140°F max.*
- **Height:** 5’-0’ (overall)
- **Width:** 3’-8”
- **Length:** 5’-0”
- **Weight:** 540 lbs. (approx.)

**SKID DESIGN**

- **Outer Frame:** 6 x 8.2 A36 carbon steel channel
- **Inter. Frame:** 3”x2” x3/8” A36 carbon steel angle
- **Filter Housing Pad:** ¼” thk. Steel plate supported by 3x2x3/8 angle iron
- **Forklift Pockets:** Through front and rear framing channels
- **Cover:** Expanded metal grating
- **Lifting Eyes:** All four corners

*Practical limit for the PVC header piping. Unit could be used up to 225°F if carbon steel piping is used instead.

**FILTER DESIGN**

- **Filter Housing:** Rosedale model 8-30-3F-Z-150-C-B-S-PB
- **Top Cover:** Three eyenuts; hinged for easy access
- **Piping:** 3” schedule 80 PVC (inlet and outlet headers)
- **Inlet & Outlet:** 3” 150# ANSI flanges
- **Cover Seal:** Buna N (Nitrile) o-ring
- **Housing Material:** Carbon Steel
- **Filter Basket:** 30” deep, 6.7” diameter, 4.4 sq. ft. surface area, 1000 cu. in. volume, 9/64” dia holes (51% open)
- **Filter Media:** Filter bags, size #2. Wide range of micron ratings is available, down to 1.0.
- **Vent Valves:** ¼” ball valve on top cover
- **Drain Valves:** 1” brass ball valve on the bottom of each housing

**SURFACE DETAILS**

- **Exterior Coating:** High gloss polyurethane

**TESTS / CERTIFICATIONS**

- **Test Performed:** Scheduled QMS inspections
Notes:
1. This is a general layout drawing only.
2. Tee should be rotated downward at an angle of 15-60 degrees to prevent strain on the piping when hose is connected to it.
3. A 3" female camlock fitting (not shown) will be attached to the adapter.