

**FILTER POT SKID**
**UNIT: FPS007**
**PERFORMANCE**

|   |   |
|---|---|
| Maximum Operating Pressure                            | 150 psi (1034 kPa)                        |
| Maximum Liquid Flow Rate                              | See attached flow rates of filter bags    |
| Minimum/Maximum Rated Operating Temperature of Vessel | -20°F/500°F (-29°C/260°C)                 |
| Filter Screen Differential Pressure Max               | 35 psi (241 kPa)                          |
| Filter Screen Sizes                                   | 1, 5, 10, 25, 50, 100 and 200 Micron (µm) |
| Number of Vessels                                     | 1   |

**VESSEL DIMENSIONS**

|                        |                  |
|------------------------|------------------|
| Vessel Diameter        | 17 ½" (444.5 mm) |
| Vessel Length S/S      | 22" (558.8 mm)   |
| Drain Nozzle Size      | ¾" (26.7 mm)     |
| Filter Bags per Vessel | 3                |
| Bag Type               | P2               |

**SUCTION PIPING**

|                                    |                     |
|------------------------------------|---------------------|
| Maximum Allowable Working Pressure | 275 psi (1,900 kPa) |
| Size                               | 2" (60.3 mm)        |
| Connection                         | CL150 RF            |

**DISCHARGE PIPING**

|                                    |                     |
|------------------------------------|---------------------|
| Maximum Allowable Working Pressure | 275 psi (1,900 kPa) |
| Size                               | 2" (60.3 mm)        |
| Connection                         | CL150 RF            |

**SHIPPING DIMENSIONS**

|        |                  |
|--------|------------------|
| Width  | 4' – 0" (1.22 m) |
| Length | 4' – 0" (1.22 m) |
| Height | 5' – 6" (1.37 m) |
| Weight | TBD              |

**CERTIFICATION**

|                             |                       |
|-----------------------------|-----------------------|
| Vessel                      | ASME Sec. VIII Div. 1 |
| Piping                      | ASME B31.3            |
| Province(s) of Registration | AB                    |
| Sour Service                | Internally Coated     |



## Flow Rates of Filter Bags

In most filtration applications, fluid viscosities do not exceed 50cps. Using the following Flow Rates Per #2 Size Bag as a guide, the suggested flow rates should result in a CLEAN Pressure Drop under 2 PSID.

| Material Used | Micron Rating      | Flow Rate (GPM) |
|---------------|--------------------|-----------------|
| Felt          | 1 & 3              | 80 GPM/#2 BAG   |
| Felt          | 5 THRU 200         | 120 GPM/#2 BAG  |
|               |                    |                 |
| Mesh          | 1, 5 & 10          | 100 GPM/#2 BAG  |
| Mesh          | 25 THRU 100        | 125 GPM/#2 BAG  |
| Mesh          | 150 THRU 800       | 150 GPM/#2 BAG  |
|               |                    |                 |
| Microfiber    | 1A and 2A          | 60 GPM/#2 BAG   |
| Microfiber    | 10A, 25A, 90A & 0A | 80 GPM/#2 BAG   |

## Micron Rating & Availability

[illegible]