EQUIPMENT SPECIFICATION SHEET

FILTER POT SKID

UNIT: FPS004

PERFORMANCE

Maximum Operating Pressure	250 psi (1722 kPa)
Maximum Liquid Flow Rate	See attached flow rates of filter bags
Minimum/Maximum Rated Operating Temperature of Vessel	-20 °F/200 °F (-29 °C/93 °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	2

VESSEL DIMENSIONS (X2)

Vessel Diameter	20” (500 mm)
Vessel Length S/S	30” (762 mm)
Inlet Nozzle Size	3” (88.9 mm)
Outlet Nozzle Size	3” (88.9 mm)
Drain Nozzle Size	2” (60.3 mm)
De-pressure/Re-fill 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	3” (88.9 mm)
Connection	CL150 RF

DISCHARGE PIPING

Maximum Allowable Working Pressure	275 psi (1,900 kPa)
Size	3” (88.9 mm)
Connection	CL150 RF

DRAIN PIPING

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

SUMP CLEAN OUT PIPING (X2)

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

EQUIPMENT SPECIFICATION SHEET

FLUSH LINE PIPING

Maximum Allowable Working Pressure	275 psi (1,900 kPa)
Size	3” (88.9 mm)
Connection	CL150 RF

SHUTDOWNS

High Level in Sump
High LEL Alarm
High H2S Alarm
ESD Push Button

FEATURES

Insulated Building with 2 Doors and 2 Windows
Building Equipped with Heater and Lights
Inlet Pressure Relief Valve
Indicator Beacons (Status, LEL, H2S)
Exhaust Fan in Building
Internal Containment in Skid
Filter Pot Bypass

SHIPPING DIMENSIONS

Width	9’ 6” (2.90 m)
Length	16’ 10 (5.13 m)
Height	10’ (3.05 m)
Weight	8,000 lbs (3,629 kg)
Loading Method	Live Roll

CERTIFICATION

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

POWER REQUIREMENTS

Building Total	7.6 kW / 1.0 kW
Voltage Input	480 V / 120 V
Phase	1 Ø / 1 Ø

Approximate Power Requirements

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

Micron Availability		Micron Rating																								
Fiber	Material	1	3	5	10		25	35	50	65	75	90	100	120	125	150	175	200	250	300	400	600	700	800	1200	1500
Polyester Felt	Felt	■	■	■	■		■		■		■		■					■								
Nylon	Felt			■	■		■		■				■													
Polypropylene	Felt	■	■	■	■		■		■				■													
Teflon®	Felt	■		■	■		■																			
High Temperature	Felt			■	■		■		■				■					■								
Polypropylene	Microfiber	■	■		■		■		■			■		■												
Nylon	Monofilament Mesh	■		■	■		■	■	■	■	■		■		■	■	■	■	■	■	■	■		■	■	
Polypropylene	Monofilament Mesh												■			■		■	■	■		■		■		
Polyester	Multifilament Mesh										■		■		■	■		■	■	■	■	■		■		■