

V ❖ SEP P-50 Machine Specifications  
12/15/08

**Current operating Manual: P-50 Version 2.0**

**Operating Conditions:**

Equipment Rating: Nema 4, Indoor-Outdoor protected from sunlight and rain.

Operating Ambient Temperature Limits: 0-40C

Storage Temperature: 0-40C

Relative Humidity: 90% or less, non-condensing

Elevation: 3300 ft. (1006 M), without derating.

**Filter Pack:**

Membrane Area: 50 sq. ft. (4.65 sq. m.)

Hold Up Volume: P Mode: Approx. 3.2 Gallons (12 liters)

Filtrate Removal Capacity: Approx. 7 GPM (28 l/min)

Maximum Operating pressure: 600 psi (41bar)

Maximum Shear Rate: 150,000 Inverse Seconds

Wetted Materials: 316 Stainless Steel, Polypropylene, EPDM

**Vibration System:**

Drive Bearings: MORSE SEALMASTER RFB2102

Vibration Motor: BALDOR 5HP 3450RPM, 208-240 VAC 3 phase

Vibration Motor Control: Allen Bradley Power Flex 40

**Feed System:**

Pump: HYDRA-CELL (D10) LSGSHEM8 10.0 GPM @ 1725 RPM

Motor: BALDOR M3615T 266784Y696H1, 5HP 1725 RPM, 208-240 VAC 3 phase

Pump Bypass Valve: WANNER C2ADBESSEF

Feed Pump Motor Control: Allen Bradley 3ph Contactor 100-C23\*10/100F/193ED1DB



**Instruments:**

Pressure Gauges: 1 on Process Outlet and 1 on Process Inlet WIKA 233.54 or ASHCROFT 1009 (600psi)

Flow Meter (Plastic Tube Indicator): COLE-PARMER Model 32445-58

Timers: ATC Long Range Model 365 Timer

Control Valve at Process Outlet: FloTite 320SSFFFL13-1/2"

Actuator: Indelac R Series Nema 4 Model R4BF03-2

**Electrical Power Requirements:**

Voltage: 208 - 240 VAC 3 phase

Transformer Options: 380 - 480 VAC, or 580-615 VAC

Normal Full Load Operating Current: 18 - 28 amps

Power Cord: 8 Ft long with a NEMA L15-30P plug

Required Receptacle: NEMA L15-30, 30 amp circuit recommended

**System Size and Weight:**

Overall Dimensions: 48" w x 36" d x 81" h

System Weight: 900lbs. (336 kg) approximate