IP55-30 INTENSIFIER PUMP



Construction
- Heavy gauge sheet metal covers
- Rugged all-steel welded framework
- Hinged cover and removable access panels for convenient machine inspection and maintenance
- Integral hydraulic reservoir
- Sound insulated for quiet operation
- NEMA 12/13 rated electrical enclosure

Standard Features
- High-efficiency TEFC motor
- 1500 or 1800 nominal motor speed (rpm)
- Electronically shifted intensifiers
- Wye-Delta soft start with disconnect
- 0.5 gallon (1.9 liter) high pressure attenuator with 1.45 micron filtration
- Safety shutdown systems
- Automatic safety pressure bleed-down valve
- Thermostatically controlled cooling system
- Programmable Logic Controller (PLC) for operation and safety monitoring
- Axial piston, variable displacement, pressure-compensated hydraulic pump
- Liquid-filled pressure gauges
- UHP safety shielded tubing
- TUV, TTK, ASME attenuator certifications
- U/L, CU/L listed industrial control panel

Physical Size
- Length: 64 in (163 cm)
- Width: 30 in (76 cm)
- Height: 53 in (135 cm)
- Approximate Weight with Fluid: 2000 lbs. (907 kg)

Electric Motor
- Motor Output: 30 hp (22 kw)
- Motor Type: High Efficiency TEFC electric motor
- Full load amps @ 460vac: (60Hz) 38
- Full load amps @ 230vac: (60Hz) 76

Intensifier
- Type: Single piston, dual plunger, reciprocating
- Number of Intensifiers: one
- Rated Pressure: 60,000 psi (4,100 bar)
- Intensification Ratio: 20:1
- Flow Rate: 0.65 gpm (2.5 lpm)
- Maximum Rated Orifice Size: .011 in (.28 mm)

Low-Pressure Water/Intensification Water
- Type: Pretreated, <100 TDS, PH 6-8, Silica <15PPM
- Supply Requirements: .65 gpm @ 30 psi (2.1 bar) min. / 75°F (24°C) Max.
- Filtration: 1, .45 Micron

Coolant Water
- Maximum Temperature: 70°F (21°C)
- Minimum: 0-4.0 gpm (0-15 lpm) @ Minimum 20 psi (1.3 bar)
- Ability to Remove: 22,000 BTUs / Hour
- Heat Exchanger: Shell and Tube (2)

Hydraulics
- Reservoir Capacity: 20 gallons (76 liters)
- Filtration: Full Flow 10 Micron

Environmental
- Ambient Room Temperature: 50°-100°F (10°-37°C)
- Relative Humidity: Noncondensing, Maximum 95% @ 100°F

Specifications subject to change.

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