



Introducing the X-Stream xP90-100 Intensifier Pump - 90,000PSI!

Capable of producing pressures in excess of 90,000psi, the 100hp X-Stream achieves much faster cutting speeds and drastically lowers operating costs compared to traditional 60,000psi pumps, enabling users to increase productivity and reduce part costs.

The X-Stream produces 50% more pressure than a 60,000psi intensifier pump, resulting in a 40-50% increase in productivity for many materials. The X-Stream supports a 75,000psi continuous operating pressure. Compared to a 60,000psi pump, typical operating pressures of 75,000psi use 30% less water, 30% less power, and up to 50% less abrasive, resulting in a 40% reduction in operating costs. They typically reduce taper by up to 0.001". The X-Stream is capable of producing flow rates of 1.45gpm and supports up to a .017" orifice. Its fittings and tubing are rated for 100KSI. The X-Stream is backed by nearly 10 years of extensive research and development in hyper-pressure technology.

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
- 1,500 or 1,800 nominal motor speed (rpm)
 - Electronically shifted intensifiers
 - Wye-Delta soft start with disconnect
 - Fail-safe high-pressure attenuator
 - 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

Product Specifications

Physical Size

- Length: 86 in (218 cm)
- Width: 40 in (102 cm)
- Height: 55 in (140 cm)
- Approximate Weight with Fluid: 4,900 lbs. (2,222 kg)

Electric Motor

- Motor Output: 100 hp (75 kw)
- Motor Type: High Efficiency TEFC electric motor
 - Full load amps @ 460vac: (60Hz) 119
 - Full load amps @ 230vac: (60Hz) 238

Intensifier

- Type: Single piston, dual plunger, reciprocating
 - Number of Intensifiers: Two
- Rated Pressure: 90,000 static psi (6,200 bar)
 - Intensification Ratio: 25:1
 - Flow Rate: 1.45 gpm (5.49 lpm)
- Maximum Rated Orifice Size: 0.017" (0.43mm)
 - 100,000 PSI-rated fittings and tubing
- Supports 75K+ continuous operating pressure

Low-Pressure Water/Intensification Water

- Type: Pretreated, <100 TDS, PH 6-8, Silica <15PPM
- Supply Requirements: 2.0 gpm @ 20 psi (1.4 bar)
min. / 75°F (24°C) max
 - Filtration: 10, 1, .45 Micron

Coolant Water

- Maximum Temperature: 70°F (21°C)
- Minimum: 0-10.0 gpm (0-37.9 lpm) @ Minimum 20 psi (1.3 bar)
 - Ability to Remove: 95,000 BTU's / Hour
 - Heat Exchanger: Shell and Tube (2)

Hydraulics

- Reservoir Capacity: 55 gallons (209 liters)
 - Filtration: Full Flow 10 Micron

Environmental

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