Technical Data / Specification

Dimensions (overall)
- Length: 80 in
- Width: 58 in
- Height: 20 in
- Weight in Air: 850 lbs
- Weight in Water: 600 lbs

*Note: Exact weight dependent upon specific fluid carried in reservoir

Materials
- Frame: Aluminum 6061-T6
- Fasteners: AISI Grade 316 Stainless Steel
- Bumpers: Black UHMW
- Reservoirs: Black Amalga™ Spun Fiberglass Tubing
- Reservoir End caps I Supports: 316 Stainless Steel
- Reservoir Pistons: AISI Grade 316 Stainless Steel

Performance Data for Standard Skid Systems
- Output Pressure: 0 to 5,200 psi
- Output Flow: 2 to 3 gpm
- Input Pressure: 0 to 3,000 psi
- Input Flow: 0 to 6 gpm
- ROV Input Fluid: Petroleum based Hydraulic Fluid
- High Pressure Output Fluid: Petroleum or Water Based
- Fluid: hydraulic Fluid

Overview

The ROV Fluid Injection Skid is an ROV mountable skid built for operations of the Cameron Vertical Connection. The skid is equipped with four sixteen-gallon fluid (petroleum or water based hydraulic fluid) reservoir and hydraulic intensifier unit, which provides 0-5200 psi at 2-3 gallons per minute. The injection skid has the flexibility to remove the two center reservoirs, which decreases the overall weight of the skid. The reservoir fluid contained in the injection skid, are isolated from the ROV’s hydraulic system.

Fluid may either be pumped from or returned to the fluid reservoirs. The maximum pressure of the returning fluid is 150 psi. This skid is also designed to remove the two center cylinders to provide a lighter skid for ROV’s with limited lifting capability.

The process fluid supply to the hydraulic intensifier unit must be provided with a net positive inlet pressure, which is accomplished by the seawater charge pump. The seawater charge pump pressurizes the reservoirs at approximately 5 to 10 psi to ensure the intensifier does not cavitate. A 17H Dual Port hot stab is furnished with each skid.