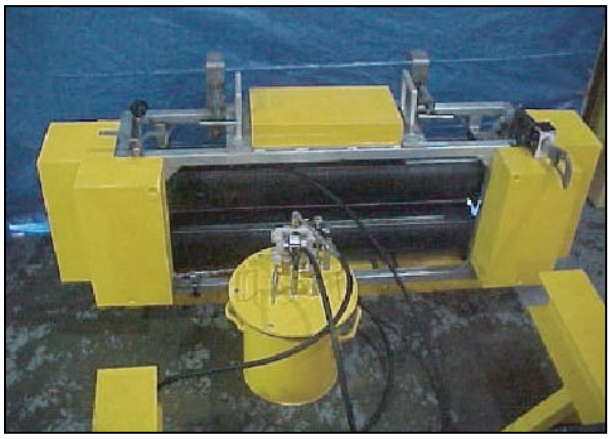
METHANOL INJECTION SKID

Technical Data / Specifications



Dimensions (overall)	
Length	124.5 in
Width	69.5 in
Height (approx.)	16 in
Weight (empty)	
Weight (approx.)	850lbs
Air (approx.)	1350lbs
Performance Data	
Output Pressure	0 to 50 psi above ambient
Output Flow	11 gpm
Input Pressure	1,500 psi
Input Flow	1.5 gpm
Materials	
Frame	Aluminum 6061-T6
Fasteners	AISI Grade 3116 Stainless Steel
Reservoirs	Black Amalga™ Spun Fiberglass Tubing
Reservoir End Caps	ANSI Grade 316 Stainless Steel
Reservoir Pistons	AISI Grade 316 Stainless Steel

Overview

Fasteners AISI Grade 3116 Stainless Steel Output Flow 11 gpm Reservoirs Black Amalga Spun Input Pressure 1500 psi Fiberglass Tubing Input Flow 1.5 gpm Reservoir End Caps ANSI Grade 316 Stainless Steel Reservoir Pistons AISI Grade 316 Stainless Steel

The Methanol Skid is designed to inject Methanol at low pressure (25 to 50 psi above ambient) into the BOP H-4 connectors to reduce or break down the build up of Hydrates. This is accomplished by pumping a volume of Methanol, stored in four 109 inch long cylinders, each holding 33.75 gallons, into the connector via a male fluid coupling (hot stab). The cylinders have an isolation piston that is used to force the Methanol out. The isolation piston is pushed by seawater supplied by a chemical gear pump with an output of 11 gpm at 125 psi. The skid can also be used to inject water glycol based fluids. The skid utilizes Methanol resistant composite material and seals to prevent corrosion and deterioration.

The Methanol Skid is deployed attached to the ROV Cage, (not the ROV). The Cage is deployed adjacent to the wellhead where the ROV will fly the Hot Stab and interconnecting hose to the BOP/Tree Receptacle.