

HYDRATE REMEDIATION SKID

The Hydrate Remediation (HR) skid is designed to be used in the event of a hydrate plug. The skid is deployable from a MSV of opportunity and is operated solely by a Remotely Operated Vehicle (ROV). The skid has the capability to depressurize the production piping to 100 psig or less at an 8,000 feet water depth. Methanol can be routed through the production piping in either direction, and is derived from the existing subsea production distribution system, normally pressurized to 7,500 psi. All operations are carried out using an ROV. ROV-operated ball valves are used to control the HR skid circuit and the vehicle's hydraulic supply powers the skid intensifier pumps. Upstream and downstream pressures, as well as the methanol inlet pressure, are displayed on gauges mounted in the HR skid panel.



Technical Data / Specifications

HR Skid Dimensions (overall)

Length	18 ft 6 in
Width	8 ft 10 in
Height	13 ft 5 in

Weight

Air	10,600 lb
Water	9,150 lb

Performance Data – Pump 1

Min Inlet Pressure	100 psi
Max Inlet Pressure	2,500 psi
Inlet Flow	16 gpm
Intensification Ratio	4:1
Outlet Pressure	800 to 10,000 psi
Outlet Flow	25 gpm

Performance Data – Pump 2

Min Inlet Pressure	100 psi
Max Inlet Pressure	2,500 psi
Inlet Flow	16 gpm
Intensification Ratio	24:1
Outlet Pressure	500 to 6,000 psi
Outlet Flow	25 gpm

