

## **GREASE & HYDRAULIC CONTROL UNIT**

**Description:** Grease & Hydraulic Control Unit Module is designed to operate pressure control equipment up to 10,000 PSI working pressure. They can operate BOPs, tool catcher, tool trap, stuffing box and line wiper.

**General:** An air driven hydraulic pump is used to power all hydraulic functions. Back-up hand pumps are provided for the event of an air/hydraulic pump failure. The back-up hand pump has a maximum working pressure of 3,000 PSI. The units also have two independent grease injection circuits to supply grease to BOPs and the grease head. These have a crossover valve allowing one pump to drive either grease injection line. All hoses are mounted on spring loaded reels & hence there is no need for manual operation to wind hoses on the reels.

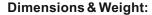
A panel is designed to layout the controls on a picture format so that the operator can more easily visualize the state of the equipment.

The module is equipped with a Haskel AW25 air operated hydraulic pump for

the BOPs, tool trap, tool catcher, line wiper and stuffing box. This pump can produce a fluid pressure of 2,500 psi with 100 PSI air.

One accumulator with a capacity of 9.1 liters is fitted as a back-up for air powered pump. They are normally precharged to 1,500 PSI nitrogen.

Two hydraulic hand pumps are provided. The back-up hand pump has a maximum working pressure of 3,000 PSI while the grease ARO 100:1 pump is rated to 10,000 PSI.



Length: 1.45 m Height: 1.55 m Width: 0.79 m

Capacity of pump first grease tank: 187 liters
Capacity of pump second grease tank: 187 liters

Capacity of hydraulic oil tank: 20 liters

Approx. weight: 750 kgs.

Third Party Inspection / Certification: Unit will be certified by third party BV, DNV, ABS, Lloyds, Vetco Tuboscope, etc. as per the requirements of the customer

Painting: All steel materials are sandblasted to Sa 2 ½ standard and coated using an inorganic zinc primer. All aluminum materials are primed and painted to customer's supplied color code.

Documentation: Operations & the maintenance manuals are provided in a hard copy and a soft copy (in CD format) in English.

