BOP SHUTDOWN SKID

HIGH FLOW / HIGH PRESSURE TWO STAGE PUMP API 53S COMPLIANCE



Descriptions

To meet a secondary intervention emergency and the API S53 standards, the BOP Shutdown Skid is designed and built to operate the BOP's rams with a maximum pressure of 345 Bar and 300 LPM, using a field proven two stages pump technology.

The BOP Shutdown Skid is a 2 stage high pressure / high flow pump designed in conjunction with Dynaset. Utilizing two HPW90/150 pumps, two HPW460/50 pumps and a manifold frame to allow 345 Bar and 100 LPM simultaneously.

The system pressure is built up in two separate stages. The system is started by piloting supply valve which starts the 2 x LP pumps running at 300 LPM, when pressure builds up to 90 Bar the 2nd stage automatically starts the 2 x HP pumps which are pressurized up to a maximum of 345 Bar at a flow rate of 100 LPM.

Typical Operations

- BOP emergency shut down
- Secondary BOP stack control
- Fluid injection & pressure testing

Features

- Max output pressure 345 Bar
- Max output flow 300 LPM
- Field proven pump technology
- Digital flowmeter and pressure
- Software with logging / chart
- RS232 24VDC Interface
- 325L Bladder reservoir
- Compact and low weight design
- Rated to 3,000 MSW



SPECIFICATIONS BOP SHUTDOWN SKID

General technical specification

Type
Weight (in air / Submerged)
Dimensions (L x W x H)
Reservoir Capacity

Environmental data

Depth Rating 3000 MSW

Electrical data

Supply Voltage COMS

Interface connector

Hydraulic input data

Supply pressure (from ROV) Supply flow (from ROV)

Fluid compatibility Supply (from ROV)

Hydraulic output data (BOP)

1st stage Outlet pressure 1st stage Outlet flow 2nd stage Outlet pressure 2nd stage Outlet flow Suitable Media

Turbin Flowmeter

Pressure Sensor

ROV Control Valve

4/2-valve ROV operated pressure

4/2-valve ROV operated suction

325 L

780 / 58 KG

3400 x 1486 x 597 mm

24 VDC

RS 232 / Ethernet GlenAir G5506-1508

BOP Shutdown & Intervention Skid

207 Bar 230 LPM

Mineral Oil (10 - 200 cSt / optimal 25 - 35 cSt)

90 Bar 300 LPM

345 Bar 100 LPM

Mineral Oil, Sea Water, Water-based Glycol, Methanol (optional)

45-400 LPM

Yes, logging and chart in software

Yes, A+B function, output lines

Yes, switch from reservoir to sea water suction



