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

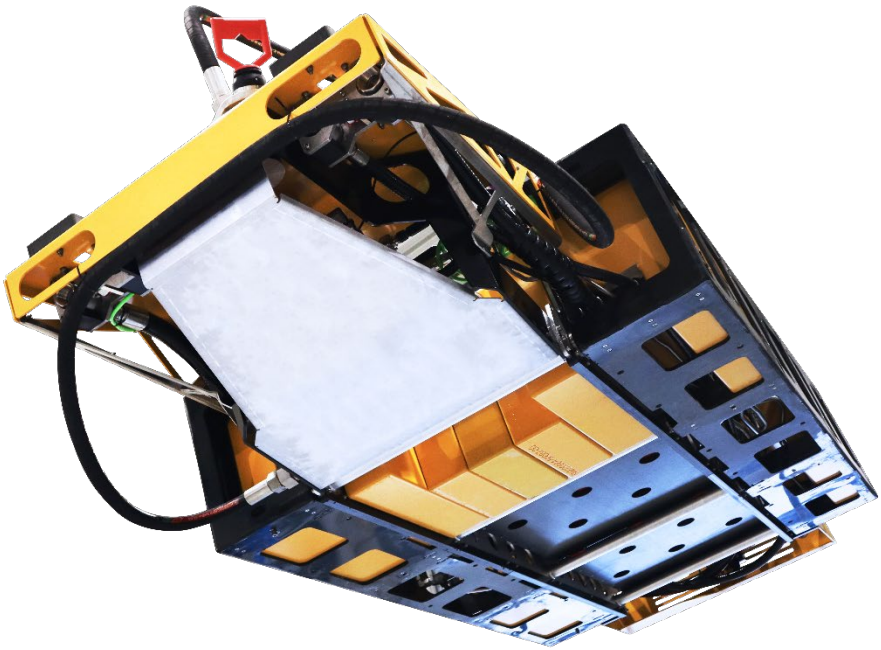
- Max output pressure 345 Bar
- Max output flow 300 LPM
- Field proven pump technology
- Digital flowmeter and pressure
- Software with logging / chart
- RS232 24VDC Interface
- 325L Bladder reservoir
- Compact and low weight design
- Rated to 3,000 MSW

Envirent AS, Robotvegen 16, 4340 Bryne, +47 477 77 500 post@envirent.no

envirent

SPECIFICATIONS
BOP SHUTDOWN SKID

General technical specification	
Type	BOP Shutdown & Intervention Skid
Weight (in air / Submerged)	780 / 58 KG
Dimensions (L x W x H)	3400 x 1486 x 597 mm
Reservoir Capacity	325 L
Environmental data	
Depth Rating	3000 MSW
Electrical data	
Supply Voltage	24 VDC
COMS	RS 232 / Ethernet
Interface connector	GlenAir G5506-1508
Hydraulic input data	
Supply pressure (from ROV)	207 Bar
Supply flow (from ROV)	230 LPM
Fluid compatibility Supply (from ROV)	Mineral Oil (10 - 200 cSt / optimal 25 - 35 cSt)
Hydraulic output data (BOP)	
1st stage Outlet pressure	90 Bar
1st stage Outlet flow	300 LPM
2nd stage Outlet pressure	345 Bar
2nd stage Outlet flow	100 LPM
Suitable Media	Mineral Oil, Sea Water, Water-based Glycol, Methanol (optional)
Turbin Flowmeter	45-400 LPM
Pressure Sensor	Yes, logging and chart in software
ROV Control Valve	
4/2-valve ROV operated pressure	Yes, A+B function, output lines
4/2-valve ROV operated suction	Yes, switch from reservoir to sea water suction



Envirent AS, Robotvegen 16, 4340 Bryne, +47 477 77 500 post@envirent.no

envirent