

4-STATION HIGH FLOW VALVE PACK

FLOW 120 L/MIN

PRESSURE 210 BAR

WATERDEPTH 3000 METER



Descriptions

The 4-Station High Flow Valve Pack is designed and developed to achieve a cost effective valve pack with high flow capabilities for subsea use. This valve pack allows short delivery time with proven concepts.

The 4-Station High Flow Valve Pack is an universal remotely operated control unit which consists of 4 x directional control valves with individual pressure and flow control, allowing high flow of up to 120l/min in the output lines.

The valve pack use our well known and proven PCB board to operate the hydraulic control valves which give pilot pressure to each PVG valve to control flow and pressure. Each valve group has pressure sensors for monitoring input- and output pressure. Auxiliary signal input is also achieved through a dedicated connector.

Typical Operations

- Subsea Tooling
- High Flow operations
- ROV operations

Features

- Field proven
- Individual pressure and flow control
- High flow outputs
- Auxiliary signal input
- Water ingress alarm
- Compensation fluid filling and air bleed
- Ethernet and serial comms
- Pressure monitoring

SPECIFICATIONS

4-STATION VALVEPACK PVG

General technical specification

Type	4 Station Valvepack PVG
Part number	116716-EVX-MC-DWG-001
Weight (in air / Submerged)	30 Kg
Dimensions (L x W x H)	433 x 349 x 273 mm

Environmental data

Design Lifetime	25 Years with normal maintenance
Depth Rating	3000 meter
Operating Temperature	-10 + 70 deg C
Storage Temperature	-20 + 50 deg C

Electrical data

Supply Voltage	20...30 VDC
Supply max current	10 A
COMS	Ethernet / RS232
Earthing / Ground Connection size	Threaded M10

ROV Electrical interface

Connection J1	Connector Glen Air G5506-1508-0004
Input 01	Connector Glen Air G5506-1508-0004
Connection J1 Pin-out	Pin 1 - 0V Pin 2 - 24 VDC Pin 3 - RS485 D- Pin 4 - RS485 D+ Pin 5 - TX+ Pin 6 - TX- Pin 7 - RX+ Pin 8 - RX-

Connection Input 1 Pin-out	Pin 1 - 0V Pin 2 - 24 VDC Pin 3 - 4-20 mA Pin 4 - NC Pin 5 - NC Pin 6 - NC Pin 7 - NC Pin 8 - NC
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Hydraulic data

Number of function lines	4 x
Supply pressure (from ROV)	207 Bar
Supply flow (from ROV)	200 L/min
Fluid compatibility Supply (from ROV)	Hydraulic oils of power classes (HL, HLP) to DIN 51524. Water Glycol fluid; HFC Fluids (consult with OEM).
Fluid Compensation	Shell Tellus T or compatible type

ROV Hydraulic Interface

ROV Supply	1 inch BSP
ROV Return	1 inch BSP

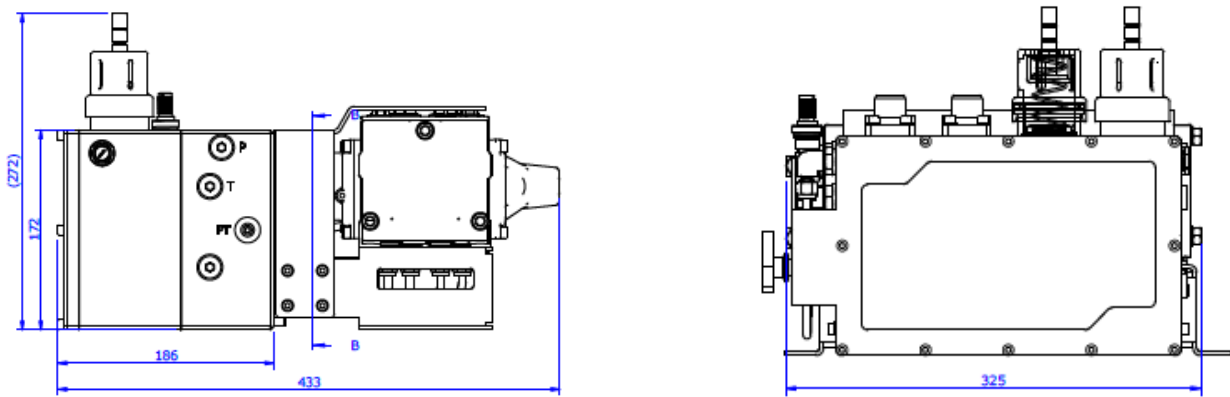
Hydraulic interface

Port 1a/b	½ inch BSP - 25l/min
Port 2a/b	½ inch BSP - 120l/min
Port 3a/b	½ inch BSP - 120l/min
Port 4a/b	½ inch BSP - 25 l/min

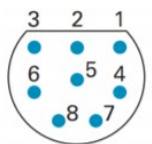
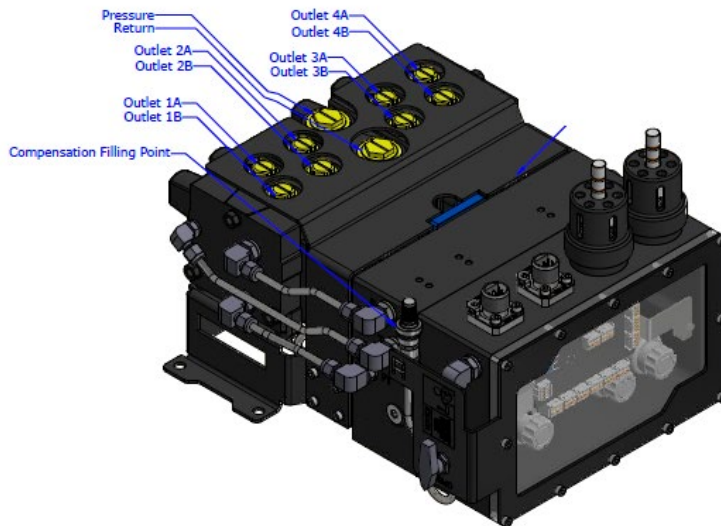
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4-STATION VALVEPACK PVG

Dimensions



Hydraulic ports and connector pin-out



5507-1508 Face view

- Connector A - Pin-Out**
1. 0 V
 2. 24 VDC
 3. RS485 D-
 4. RS485 D+
 5. Eth TX +
 6. Eth TX -
 7. Eth RX+
 8. Eth RX -

- Connector B - Pin-Out**
1. NC
 2. 24VDC
 3. 4-20mA
 4. NC
 5. NC
 6. NC
 7. NC
 8. NC

