



Valve Pack 3 Ch High Flow

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Part number: 5029084

The Valve Pack 3 Ch High Flow is a subsea valve pack for with 3 off bi-directional proportional valves

Each channel features proportional pressure and flow control with individual pressure sensor up to 80l/min. Optionally, on/off valves can be installed with rating up to 140l/min.

Inlet oil pressure is monitored and a safety relief valve is installed on inlet to avoid overpressure. Valve control and communication is provided by Innova's PIO36 pressure tolerant controller boards, enabling full control of the valve pack via serial or Ethernet network (Modbus RTU or TCP). Innova's topside GUI software is used to control and monitor all functions of single or multiple valve packs. The valve packs can also easily integrate into Client's existing control system.

Key features

- 3 off 4/3-way valves
- Rated flow: 80 l/min
- Rated pressure: 270 bar
- Proportional flow and pressure control on all channels
- Individual pressure monitoring on each port
- 3000 m seawater depth rating

HYDRAULIC FUNCTIONS

- 3 x 4/3-way NG10 proportional control valves
- Individual proportional pressure control on each channel
- Maximum Working Pressure = 270bar
- Valve max flow = 80 lpm
- Pressure transmitters on each channel and on input

INTERFACE

- G3/4" hydraulic supply port (P)
- G1" hydraulic return port (T)
- G3/4" hydraulic outlets ports (A/B)
- G3/8" for external compensator
- G3/8" for comp. relief valve
- 1 x BH16M Connector for power and communication
- 3 x MCBH4M connector for ext. sensor

SOFTWARE

Delivered with standard Innova software with graphical user interface to control each valve, read sensor values, calibrate sensors and log data. Our software engineers will also assist integration with existing control systems on request.

ELECTRICAL

- Input power: 24VDC 10A
- Communication: Ethernet, RS-232 or RS-485
- Innova PIO36 pressure tolerant embedded controller
- 3 off connectors for external sensors
- Water alarm
- Temperature sensor

MECHANICAL

- Hard anodized aluminium and POM housing
- Polycarbonate lid
- Weight: 81 kg (air) & 41 kg (water, excl. comp. fluid)
- Dimension: (L x W x H): 490 mm x 417 mm x 317 mm (excl. connector and compensator)
- Depth rating: 3000 msw
- Temperature range: -18 °C to 40 °C
- Optional kit: Delivered in a transport case, together with PC, GUI Software and required accessories

