

4-STATION SMALL VALVE PACK 207 BAR

ROV TOOLING
REMOTE CONTROL
VALVE PACK



Description

Small Valve Pack is a 4-Station remotely operated control unit. Consist of 3x NG4 and 1x NG6 directional control valves and Pressure regulation with feedback on each function.

The Small Valve Pack is designed with purpose of being a low-cost valve pack, with all features needed to operate subsea tooling. The design is compact and user-friendly and fits to most standard WROVs.

Features

- Ixys Suite Software
- Proportional Flow Control
- Pressure regulation with feedback
- Temperature Sensor
- Working Pressure 207 Bar
- RS232 or Ethernet communication
- Compact and Low Weight
- Rated to 3000MSW
- 2 Electric Connectors as standard
- 4 Electric Connectors optional

■ The specification details are illustrative for marketing purpose only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement. Envirent AS, Robotvegen 16, 4340 Bryne, +47 477 77 500, sales@envirent.no

SPECIFICATIONS

4-STATION SMALL VALVEPACK 207 BAR

Document No.: EVT-13798

Revision: 0

General Technical Data

Type	4-Station Small Valve Pack
Dimensions L x W x H	354 x 340 x 208 mm
Weight (in air / submerged)	~35 kg / ~17 kg
Fluid Compability	Mineral base oil / Water based glycol
Depth Rating	3000 MSW

Hydraulic Data

Max. Operating Pressure	207 Bar
Max. Flow NG4 Proportional Valve	20 L/min
Max. Flow NG6 Proportional Valve	40 L/min
Viscosity Range	20...400 mm ² /s

Port & Valve Specifications

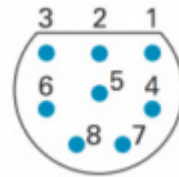
Port 4 – A/B	JIC 06 - NG6 Prop Directional Valve
Port 1, 2 and 3 – A/B	JIC 06 - NG4 Prop Directional Valve
P and T Port (ROV side)	JIC 08

Electrical

PCB	Ixys Control PWM PCB
Nominal Voltage	20..30 VDC
COMS	Ethernet (RS232)
Connector	5506-1508 (55 Series, Shell Size 15, 8-Pin)

Electrical Interface (2 connector setup)

Connection J1 Pin-out	Pin 01 – 0 VDC Pin 02 – 24 VDC Pin 03 – RS 232+ Pin 04 – RS 232- Pin 05 – TX+ Pin 06 – TX- Pin 07 – RX+ Pin 08 – RX-
Connection J2 Pin-out	Pin 01 – 0 VDC Pin 02 – 24 VDC Pin 03 – AUX INPUT 1 Pin 04 – AUX INPUT 2 Pin 05 – TX+ Pin 06 – TX- Pin 07 – RX+ Pin 08 – RX-



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Electrical Interface (4 connection setup)

Connection J1 Pin-out

COMS / PWR

Pin 01 – 0 VDC
Pin 02 – 24 VDC
Pin 03 – RS 232+
Pin 04 – RS 232-
Pin 05 – TX+
Pin 06 – TX-
Pin 07 – RX+
Pin 08 – RX-

Connection J2 Pin-out

COMS / PWR

Pin 01 – 0 VDC
Pin 02 – 24 VDC
Pin 03 – AUX INPUT 1
Pin 04 – AUX INPUT 2
Pin 05 – TX+
Pin 06 – TX-
Pin 07 – RX+
Pin 08 – RX-

Connection J3 Pin-out

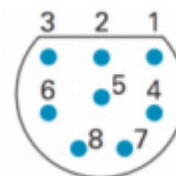
DIGITAL INPUT

Pin 01 – 0 VDC
Pin 02 – 24 VDC
Pin 03 – 4-20mA
Pin 04 – 4-20mA
Pin 05 – NPN DIG IN
Pin 06 – NPN DIG IN
Pin 07 – NC
Pin 08 – NC

Connection J3 Pin-out

ANALOG INPUT

Pin 01 – 0 VDC
Pin 02 – 24 VDC
Pin 03 – 4-20mA
Pin 04 – 4-20mA
Pin 05 – NPN DIG IN
Pin 06 – NPN DIG IN
Pin 07 – NC
Pin 08 – NC



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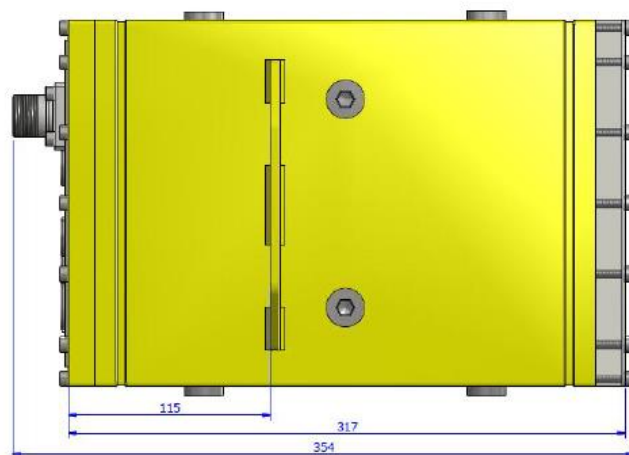
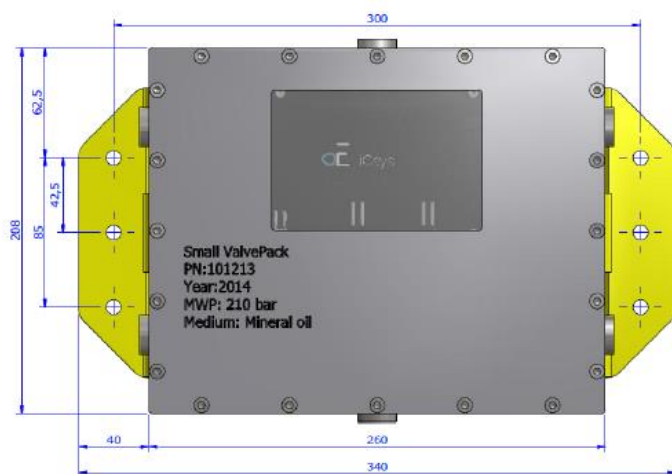
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Inventory List:

Items listed in Inventory List are delivered with the equipment as standard.
Any additional equipment must be specified upon order.

	Description	Total Qty
1.	½" Hydraulic Hose, Jic 8 Fm – Fm, 4m. SS. (Pressure and Return)	2
2.	Cable Subsea Pigtail Scorpion 55A1-1508. 5m	1
3.	Connector Subsea Glenair G55D1-1508-0000 Dummy	2/4
4.	Computer Laptop ink VJU Software and power charger	1



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