

4-STATION SMALL VALVE PACK 345 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 345Bar
- RS232 or Ethernet communication
- Compact and Low Weight
- Rated to 3000MSW

Specifications

4-Station Small Valve Pack 345 Bar

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)	~42 kg / ~23 kg
Fluid Compability	Mineral base oil / Water based glycol
Depth Rating	3000 MSW

Hydraulic Data

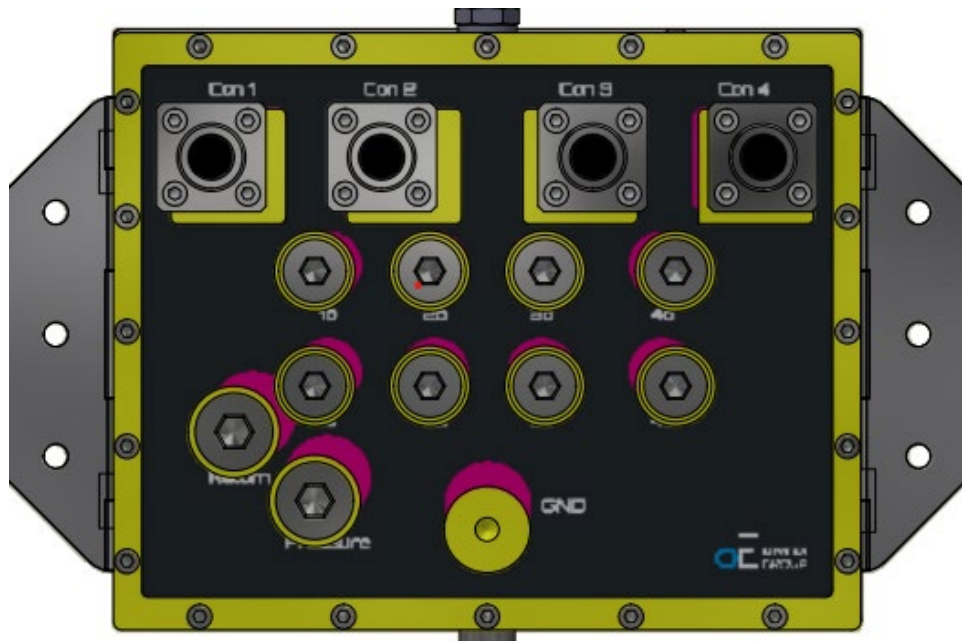
Max. Operating Pressure	345 Bar
Max. Flow NG4 Proportional Valve	20 L/min
Max. Flow NG6 Proportional Valve	40 L/min
Viscosity Range	12...300 mm ² /s

Port & Valve Specifications

Port 1 – A/B	JIC 06 - NG6 Prop Directional Valve
Port 2, 3 and 4 – 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 Optional)
Connector	5506-1508 (55 Series, Shell Size 15, 8-Pin)



Electrical Interface

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 – NC
- Pin 04 – NC
- 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 J4 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

