

# 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

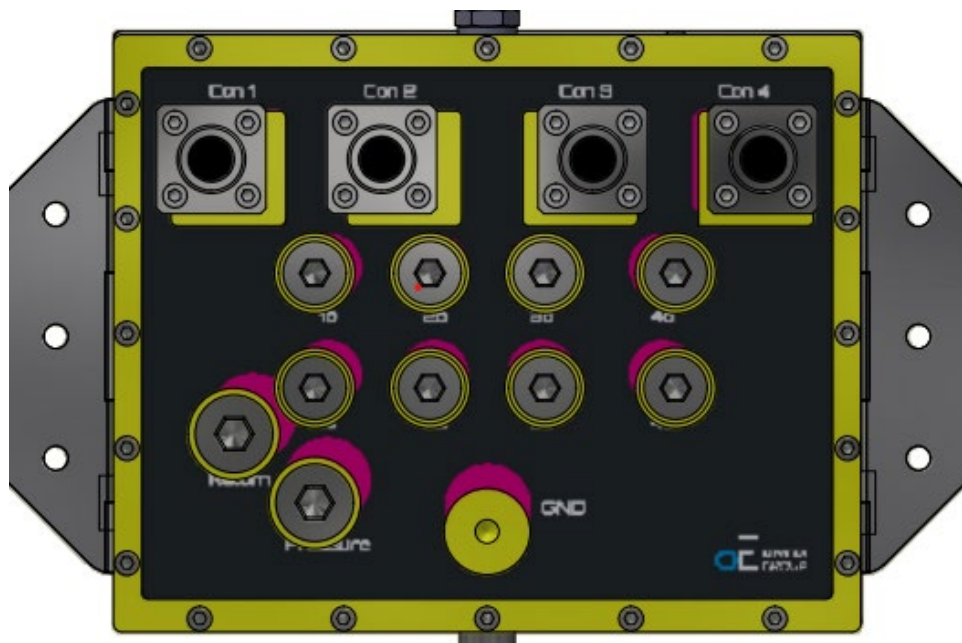
Max. Operating Pressure	345 Bar
Max. Flow NG4 Proportional Valve	20 L/min
Max. Flow NG6 Proportional Valve	40 L/min
Viscosity Range	12...300 mm²/s

### 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

