

8-STATION VALVE PACK

MULTI CONFIGURABLE
VALVE
PACK



The 8-Station Valve pack consists of 8 x NG6 directional valves built into a compact and service-friendly pressure compensated subsea housing. Loaded with functionality, proportional, solenoid or mixed valve configurations driven by a highly flexible and configurable digital control system, makes the Envirex 8-Station Valve Pack the perfect choice as a part of your control system or for tooling applications.

The Envirex PWM PCB™ is capable of controlling up to 12 bi-directional proportional and / or solenoid valves and contains 4 x 16bit analog interfaces for pressure / temperature transducers and water detectors which can be specified with the valve pack.

The communication between the topside software and the iCsys Control Can or the PCB is performed through RS232, RS485 or Ethernet with 10-30 Volt operating voltage.

A topside Graphical User Interface (GUI) can be used to provide complete control of the valve pack with on screen buttons and continuous diagnostics information from the valve pack.

Typical Operations

- ROV Tooling
- Intervention Works
- Subsea tooling

Features

- Compact and low weight
- Highly reliable component selection
- LED indicators for diagnostics and trouble Shooting
- Flow sensor options
- Proportional pressure reducing valves
- Pressure transducers for pressure monitoring.
- Custom valve configuration
- Hardware or GUI Control with diagnostics

SPECIFICATIONS

8-STATION VALVEPACK

General technical specification

Type		8-Station Valvepack
Part number		102721
Weight (in air / Submerged)	kg	47 / 35
Dimensions (L x W x H)	mm	560 x 278 x 204
Material		Alu 6082-T6, Xylan / Hard anodized, Polycarbonate lid
Depth Rating	MSW	3000

Hydraulic data

Hydraulic Fluid		Hydraulic oils of power classes (HL, HLP) to DIN 51524
Max Working Pressure	BAR (PSI)	207 (3000)
Max operating pressure at T Port	BAR (PSI)	50 (725)
NG6 Typical Flow range	l/min	40 / 80
Proportional / on-off valve	°C	-10...+70
Fluid temperature range	(°F)	(14 ... 158)
Ambient temperature max.	°C	+50
	(°F)	(+122)
Viscosity range	mm ² /s (SUS)	20 ... 400 (98 ... 1840)
Maximum degree of fluid contamination		Class 21/18/15 to ISO 4406

Electrical Technical Data

Connector	Burton / GlenAir Shell Size 15, 8 Pin, G5506-1508
Power	24VDC, typical 700mA / Valve
Communication	RS 232, RS485 or Ethernet
PCB	Envirex PWM PCB™
PWM Outputs	12
Analog Inputs	4 x 16bit

Port Connection Specification

Port A/B 1-8	3/8" BSP Female
Port T1, T2 and T3	3/4" BSP Female
Port P1, P2 and P3	1/2" BSP Female
Port External comp	1/4" BSP Female
Port Body fill / bleed	1/4" BSP Female

NOTE: Valve pack can be configured to client's requirements

