

# Hydraulic Valve Packs



**Innova provide a full range of underwater valve packs for all types of subsea hydraulic control applications; from large intervention tools and large capacity propulsion systems to compact control units. The compact and flexible designs are based on Innova's long experience in development and manufacture of underwater components.**

**All valve pack models are available in a wide range of custom configurations, with options for valve types, pressure and flow sensors, and integrated I/O.**

Valve control and communication is provided by Innova's PWM16 pressure tolerant controller boards, enabling full control of the valve pack over a serial network. The Topside software is used to control and monitor all functions of multiple valve packs, or to easily integrate the valve packs into existing control systems. All valve packs are provided with transparent polycarbonate lid and LED indicators on all functions, providing easy visual diagnostics.

## Examples of features;

- Flow capacity from 2 to 200 lpm per function - Higher flow available
- Compact, and low weight
- High reliability Wandfluh valves as standard (others available on request)
- Proportional or on/off solenoid spool valves (other valve types available on request)
- Pressure sensors in P and T bores
- Proportional pressure reducing valves option
- Flow sensor option
- Easy integration of digital and analogue sensors, such as pressure and temperature sensors, level indicators, read switches, flow sensors etc
- Burton metal shell connectors
- Custom configurations

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## Standard models include:

Valve size:	No. of valve/positions ①:	Dimensions:		
		L	W	H
NG 3	6	L 304 mm	W 188 mm	H 142 mm
	10	L 408 mm	W 218 mm	H 130 mm
	13	L 486 mm	W 178 mm	H 121 mm
NG 4	8	L 370 mm	W 250mm	H 163 mm
	11	L 490 mm	W 250 mm	H 140 mm
NG 6	6	L 400 mm	W 260 mm	H 189 mm
	9	L 490 mm	W 250 mm	H 200 mm
NG 10	7	L 592mm	W 263 mm	H 301 mm

① Number of positions for proportional or on/off 4/3 valves  
Any combination of valve sizes and configurations can be provided on request

## General technical data:

Material:	Aluminium 6082-T6, hard anodised. Polycarbonate lid
Electrical interface:	
Connector:	Burton 5506-2008-0004
Power:	24VDC, typically 700mA/valve
Communication:	RS232 or RS485
Hydraulic interfaces:	BSP threads

## Typical flow range (lpm) per valve function relative to valve build size (data for proportional / on-off valve):

NG 3		8/15	Pmax = 315/315 bar
NG 4		15/20	Pmax = 315/315 bar
NG 6		40/80	Pmax = 350/350 bar
NG 10		60/100	Pmax = 315/350 bar
NG 10	pilot operated (proportional)	220/NA	Pmax = 315/NA bar



Note: technical specifications are subject to change without notice.  
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