

## 5-Way General Purpose Valve Pack

The HLK-77000 series general function valve pack is a cost-effective and lightweight solution for the control of hydraulic manipulators, pan & tilts, rotary actuators and other types of hydraulic tooling. Rated for an operational depth of 3000msw, it is ideally suited for use on all types of submersible systems.

The valve pack incorporates industry standard size 08 cavity directional control cartridge valves that offer a flow capacity of up to 11.4lpm @ 207bar (3gpm @ 3000psi).



## Features

- Compact and lightweight at only 3.8kg (8.4lb) in water
- Pressure-tolerant electronics tested to a depth of 3000msw (9,840ft)

## Technical Specifications

### General

Number of Valves	5
Valve Type	4/3 DCV Solenoid Spool Cartridge
Materials	6082 Aluminium
Seal Materials	Nitrile/NBR/Buna-N, PTFE
Product Finish	Hard Anodised
Work Ports	1/8" BSPP (ISO 1179)
Compensation Ports	1/4" BSPP (ISO 1179)
Dimensions	(W) 200mm x (H) 208mm x (D) 89mm (7.9" x 8.2" x 3.5")
Weight in Air (kg)	6kg (13.2lb)
Weight in Water (kg)	3.8kg (8.4lb)
Electrical Connector Type & Pin	Subconn MCBH16M 16 Pin

### Hydraulic Performance

Max. Working Pressure	207bar (3000psi)
Flow (lpm)	11.4lpm (3gpm)
Individual Valve Internal Leakage	Maximum = 164cc/min @ 207bar (10in <sup>3</sup> /min @ 3000psi) Reference fluid = 32cSt @ 40°C
Fluid Type	Mineral: DIN 51524, ISO 11158, ISO 6743-4 Synthetic: Panolin Atlantis, HLP-Synth
Viscosity	16cSt to 220cSt. VG 22-32 Recommended
Fluid Temperature	5-60°C (41-140°F)
Cleanliness Requirements	ISO 4406:19/17/14, NAS 1638:8, AS4059:9A/8B/8C Working Pressure

### Environmental

Operational Depth (msw)	3000msw (9,840ft)
Operating Temp (C)	5-60°C (41-140°F)
Storage Temp (C)	0-70°C (32-158°F)
Humidity (%)	0% to 100% Condensing