



Features

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

Product Overview

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 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 up to 11.4lpm @ 207bar (3gpm @ 3000psi).

Product 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 Performances

Max. Working Pressure	207bar (3000psi)
Flow (lpm)	11.4lpm (3gpm)
Individual Valve Internal Leakage	Maximum = 164cc/min @ 207bar (10in ³ /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 4406:17/15/12, NAS 1638:6, AS4059:7A/6B/6C

Electrical

Supply Voltage	24/48Vdc
Current Draw	1.5A Nom.
Communications	Direct to Coil, RS232/485 with Ext. Comms Pod

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