



## Features

- Dual pilot operated check valve to assist in actuator position holding
- Made of corrosion resistant materials
- Port types available in 1/8" BSPP or 7/16" SAE
- Compact & lightweight
- 4:1 pilot ratio

## Product Overview

HLK-6000 Dual Pilot Operated Check Valves combine two check valves and a pilot shuttle to enable actuator position holding or the locking of a fluid inside a specific portion of a hydraulic circuit. Typical applications are position holding of hydraulic manipulators and pan & tilt units.

The check valves permit free flow in one direction and block flow in the other. When flow passes through one check valve and a suitable amount of back pressure is developed, the pilot spool shifts across to lift the opposing check valve off its seat to allow flow to return to the control valve through the opposite port. When the pilot pressure is removed, both check valves are re-seated by springs acting on the precision ball bearings.

## Product Specifications

### General

Materials	316 Stainless Steel
Product Finish	Electro Polished
Seal Material	Nitrile/NBR/Buna-N, PTFE
Ports	3/8" BSPP (ISO 1179), 7/16" SAE (SAE J1926-1)
Dimensions	(L) 50mm x (H) 75mm x (W) 20mm (1.97" x 2.95" x 0.79")
Weight in Air	0.53kg (1.17lb)
Weight in Water	0.35kg (0.77lb)

### Hydraulic Performances

Max. Working Pressure	207bar (3000psi)
Flow	12lpm (3.17gpm)
Pilot Ratio	4:1
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

### Environmental

Operational Depth	6000msw (19,680ft)
Operating Temperature	5-60°C (41-140°F)
Storage Temperature	0-70°C (32-158°F)
Humidity (%)	0% to 100% Condensing