

Modular direct and pilot operated check valves

RE 18305-07

Edition: 02.2016 Replaces: 09.2013

L6040... (LC04M-VR/AB-0A-0B-P-T)



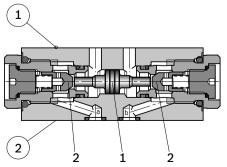
Description

Function, section (1=component side, 2=plate side) Type L60400AB-A-B...:

Isolator valve type L6040 is a pilot operated check valve of sandwich plate design. It is used for the leak-free closure of one or of two actuator ports, even during longer periods of standstill. The oil can freely flow from A1 to A or B1 to B, where as in the opposite direction the flow is blocked. When fluid flows through the valve from A1 to A or B1 to B, spool (1) is pressurised and therefore shifted to the right or to the left, which causes poppet (2) to be pushed off its seat. Hydraulic fluid can now flow from B to B1 or from A to A1. To allow reliable closing of poppets (2), the actuator ports of the directional valve must be unloaded to tank in the central position (see circuit example).

Type L60400P-T...:

Valve type L6040... is a direct operated check valve of sandwich plate design. It is used for leak-free checking in one direction and allows free flow in the opposite direction. When no fluid flows through the valve, spring holds poppet in the closed position.



Technical data

General		
Weight VR/AB	kg (lbs)	0.73 (1.61)
Weight VR/P or VR/T	kg (lbs)	0.59 (1.30)
Ambient Temperature	°C (°F)	-20+50 (-50+122)
		(NBR seals)
Hydraulic		
Maximum pressure	bar (psi)	310 (4495)
Maximum flow	l/min (gpm)	25 (6.6)
Cracking pressure in	bar (psi)	1 (14.5)
free direction		
Area ratio		2.8
Hydraulic fluid		Mineral oil based hydraulic
General properties: it must have		fluids HL (DIN 51524 part 1).
physical lubricating and chemical		Mineral oil based hydraulic
properties suitable for use in		fluids HLP (DIN 51524 part 2).
hydraulic systems such as, for		For use of environmentally
example:		acceptable fluids
		(vegetable or polyglycol
		base) please consult us.
Fluid Temperature	°C (°F)	-20+80 (-50+176) (NBR)
Permissible degree of		ISO 4572: β _x ≥75 X=1215
fluid contamination		ISO 4406: class 20/18/15
		NAS 1638: class 9
Viscosity range	mm²/s	5420

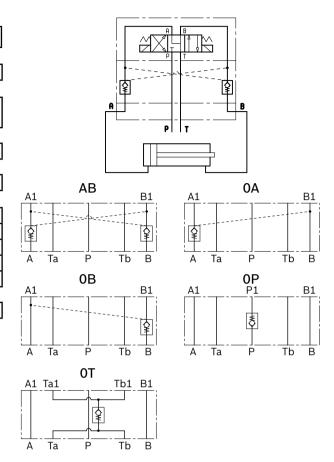
Note

For applications with different specifications consult us

Ordering details

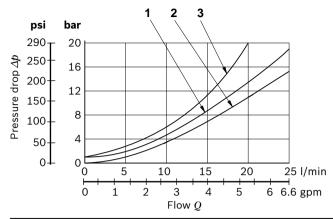
01 02 03 04 06 60 40 01 00 00 L 00 **Family** 01 Directional Valve L Туре Size 4 - NG4 (P02) 02 60 CETOP RP 121 H-4.2-4 P02 Valve Type 40 03 Relief Valve **Pilot Ratio** 04 2.8:1 00 **Pilot Operated Check valves** Pilot operated check valves on A and B lines AΒ Pilot operated check valve on A line 0А Pilot operated check valve on B line 0B Pilot operated check valve on P line 0P Pilot operated check valve on T line 0Т **Cracking pressure** 06 1bar (14.5psi) 01

Symbols



Characteristic curves

Pressure drop

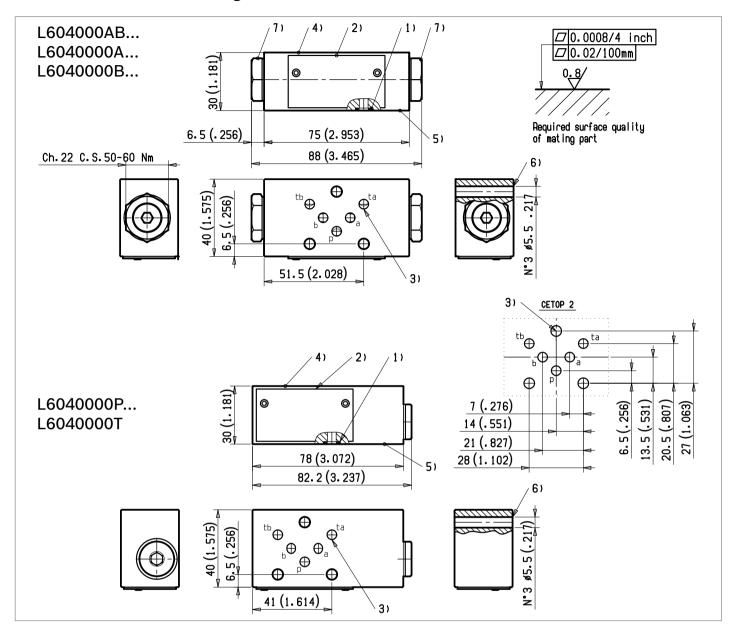


Model	Connection	Curve No.
L604000AB010000	A1>A e B1>B	1
L6040000A010000		
L6040000B010000		
L604000AB010000	A>A1 e B>B1	2
L6040000A010000		
L6040000B010000		
L6040000P010000	P>P1 e Ta1/b1>Ta/b	3
L6040000T010000		

Measured with hydraulic fluid ISO-VG32 at 45° ±5 °C (113° ±9 °F); ambient temperature 20 °C (68 °F).

4 **L6040...** (**LC04M-VR/AB-0A-0B-P-T**) | Modular direct and pilot operated check valves External dimensions and fittings

External dimensions and fittings



- 1 Identical seals rings for ports A, B, P, T.
- 2 Nameplate.
- 3 Position of port to CETOP RP 121 H-4.2-4 P02.
- 4 Component side.
- 5 Plate side.

6 Valve fixing bores, for M5 DIN912-8.8. Tightening torque 5-6Nm (3.6-4.4 ft-lb). Check valve; hex 24mm (0.95 inch). Tightening torque 34-41 Nm (25-30 ft-lb).

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Subject to change.