



Z2S10...type Modular Hydraulic Operated Check Valve



Z2S10...3XJ...type

Size 10
Max. Working Pressure: 315 bar
Max. Flow: 120 L/min

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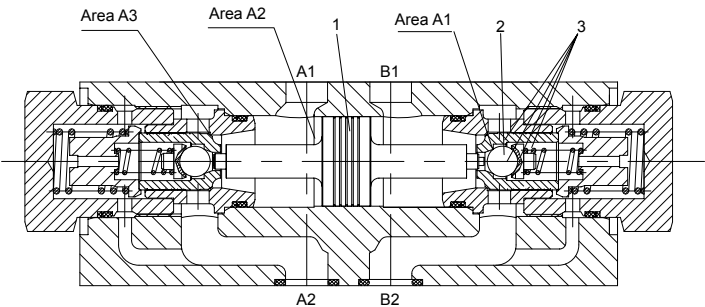
Features

- Porting pattern to DIN 24 340
- Leakage-free closure for one or two ports
- Sandwich plate valve, for use in vertical stacking assemblies
- 4 cracking pressures, optional

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Function and configuration

Z2S10 type valve is a releasable check valve in sandwich plate design. It is used for the leakage-free closure of one or two ports, also inn case of long periods of time. Fluid flows freely from A1 to A2 or B1 to B2. Flow in the opposite direction is blocked. When fluid flows from A1 to A2, the spool (1) is pressurised and is pushed to the right, thereby opening the ball poppet valve (2) which then opens the check valve(3). In order to make the reliable closure of the two check valves in the neutral position, the service ports A1 and B1 must be connected to tank.

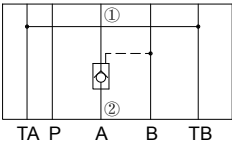


Z2S10..3XJ/...modular hydraulic check valve

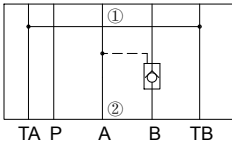
- 1 Spool 2 Ball poppet valve 3 Check valve

Symbols (① =valve side, ② = sub-plate side)

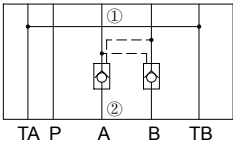
Z2S10A..3XJ/...



Z2S10B..3XJ/...



Z2S10..3XJ/...



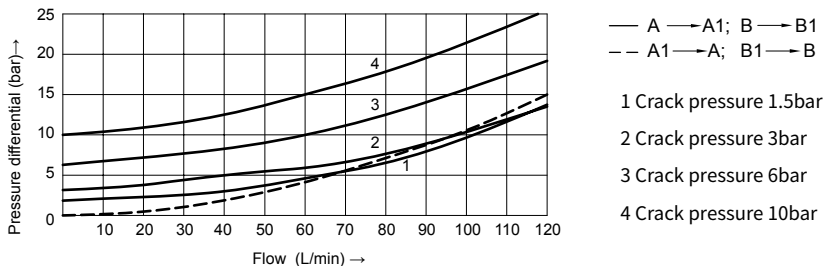
Specification

Z2S		10			3XJ	★
Modular Hydraulic check valve						Further details in clear text
Nominal size 10		=10				No code = NBR seals V = FKM seals
Leak-free closure in channels A and B		= -			3XJ=	Series 30J to 39J
Leak-free closure in channel A		= A			(30J to 39J: unchanged installation and connection dimensions)	
Leak-free closure in channel B		= B			1 =	Crack pressure 1.5bar
					2 =	Crack pressure 3bar
					3 =	Crack pressure 6bar
					4 =	Crack pressure 10bar

Technical data

Fluid		Mineral oil suitable for NBR and FKM seal Phosphate ester for FKM seal
Degree of contamination		Maximum permissible degree of fluid contamination: Class 9. NAS 1638 or 20/18/15, ISO4406
Fluid temperature range		°C -30 to +80 (NBR seal) -20 to +80 (FKM seal)
Viscosity range		mm ² /s 2.8 to 500
Operating pressure		bar 315
Max.flow-rate		L/min 120
Flow direction		See symbol
Crack pressure(free flow direction)		bar 1.5, 3, 6, 10
Area ratio		A1/A2=1/13.4 A3/A2=1/2.68 (Please refer to page "02/04" for section drawing)
Weight		kg 3

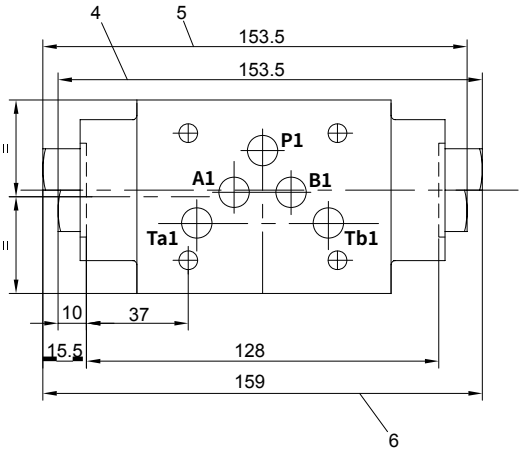
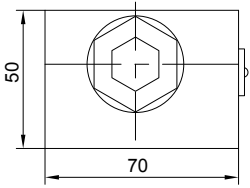
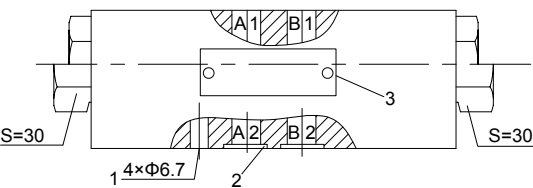
Characteristic curves (Measured at t=40°C ±5°C , using HLP46)



Unit dimensions

(Dimensions in mm)

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- 1 4 through holes for valve mounting screws
- 2 O-rings 12×2 for ports A, B, P, T
- 3 Name plate
- 4 Check valve in port B
- 5 Check valve in port A
- 6 Check valve in both port A and B

