Check valves

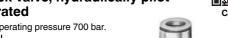


No. 6916-08

Check valve, hydraulically pilot operated



	Order no.	Article no.	Q [l/min]	Differenz p at flow [bar]	Releasing ratio PA(B) / PZ	Ambient temp. [°C]	Aperture pressure [bar]	Weight
	60491	6916-08	15	8	2,7	-30 - +80	0,2 - 0,3	400
ı	60491	0910-06	15	0	2,1	-30 - +60	0,2 - 0,3	40

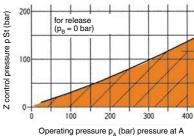




Design:

Housing made of steel, surface galvanized. Spring-loaded ball acting as a valve element. The control connection is damped by a throttle.

Diagram:



No. 6916-08-10

Check valve, pilot operated

for O-ring connection, max. operating pressure 700 bar.

Drilling template device:

Ø3,5

36

21

Ø5

(62

10

0



SW24

Order	Article no.	Q	Releasing ratio PA(B) / PZ	Ambient temp.	OR-1 O-ring	OR-2 O-ring	Weight
no.		[l/min]		[°C]	Order No.	Order No.	[g]
339374	6916-08-10	20	3	-40 - +80	183335	457499	300

Design:

Complete with four fastening bolts M4 x 25 - 8.8. Spring-loaded ball seat valve for plate assembly, leak oil free. Components made of steel. The connection channels must be self-produced using connection plates. Sealing is with O-rings.

Nomenclature of the connection ducts:

A = consumer, B = pump side, Z = control, L = leak oil (relief of the vacuum piston chamber)

Application:

For unhindered flow in one direction and blocked flow in the other direction. The blocked direction can be controlled via a control connection. The valve is used for the leak oil-free pressure maintenance on hydraulic consumers in combination with leak oil-containing directional spool valves or leak oilcontaining media penetrations.

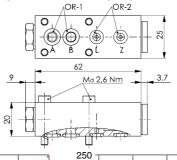
Note:

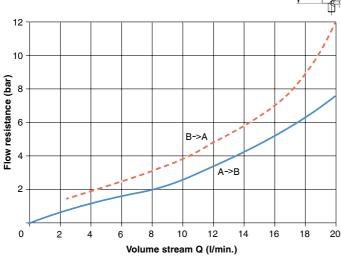
Max. permissible pressure at connections A, B, Z = 700 bar. Connection L must be depressurised to the tank.

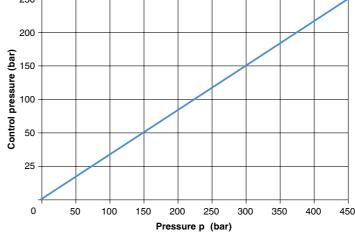
The minimum pressure for keeping the connection open is calculated from the formula pst = $a \times \Delta p +$ $b \times pB + c!$

Coefficients for valve 6916-08-10: a = 0.235 / b = 0.03 / c = 4.8!

 Δp = Flow resistance and pB = pressure at connection B, see diagrams.







Subject to technical alterations.