

Check valve sandwich plate Type Z1S

RE 21533/12.2004

Size 6 to 10

up to 31.5 MPa

up to 100L/min

Replaces: RE 21533/05.2001

Features:

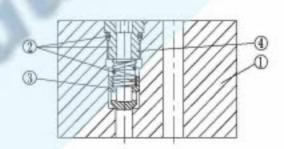
- Sandwich plate valve for use in vertical stacking assemblies
- 8 different isolating functions

The Z1S 6 valve is a direct operated check valve in sandwich plate design.

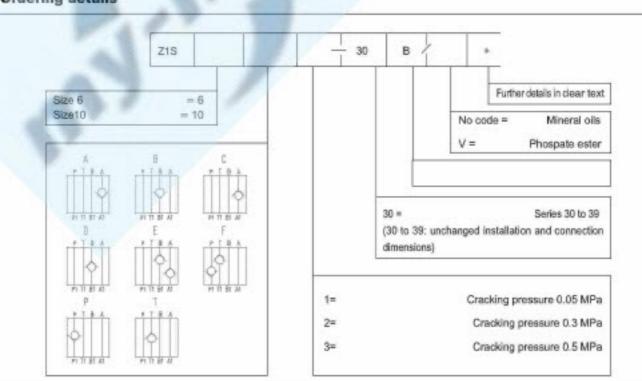
It is used for the leak-free closure in one direction and allows free-flow in the counter direction. This valve type has a metallic seal between poppet (3) and housing (1). Valves of this type are especially suitable for applications with operating pressures above 10.0 MPa and flow velocities over 4 m/s.

Porting pattern to Din 24 340 form A, ISO 4401
 and CETOP-RP 121H





Ordering details



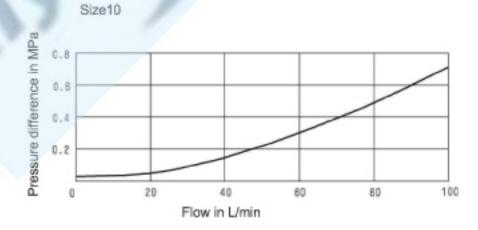
Technical data

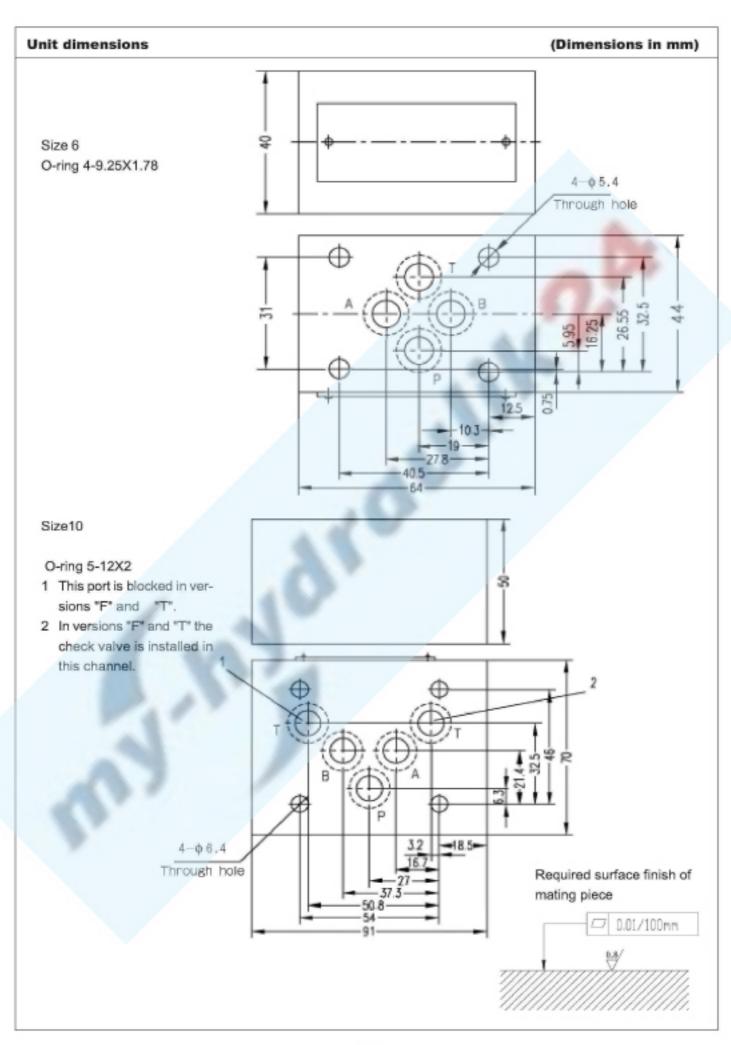
Size		6	10
Max. flow	(L/min)	40	100
Max. operating pressure	(MPa)	31.5	
Cracking pressure		See the ordering details	
Pressure fluid		Mineral oils(for NBR seal) or phospate ester(for FPM seal)	
Pressure fluid temperature range	(°C)	= 20 to + 80	6.2
Viscosity range	(mm²/s)	2.8 to 500	46 7
Weight	(kg)	0.8	2.3

[.] For application outside these parameter, please consult us!

Characteristic curves (measured at v = 41 mm 2 /s and t = 50 °C)









- 2. The tank must be sealing up and an air filter must be installed on air entrance.
- 3. Products without subplate when leaving factory, if need them, please ordering specially.
- Valve fixing screws must be high intensity level (class 10.9). Please select and use them
 according to the parameter listed in the sample book.
- 5. Roughness of surface linked with the valve is required to $\frac{0.8}{}$.
- 6. Surface finish of mating piece is required to 0.01/100mm.