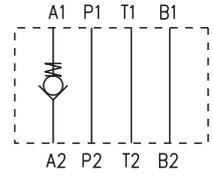


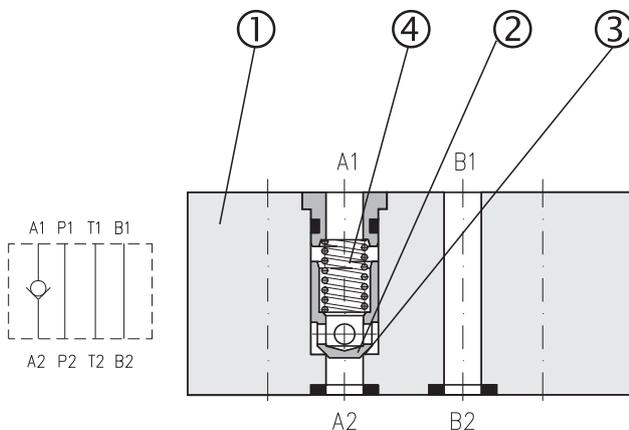
- Sandwich plate design for use in vertical stacking assemblies
- Poppet design
- Leakfree closure in one or two service ports
- 8 different models
- Installation dimensions to ISO 4401 CETOP - RP 121H



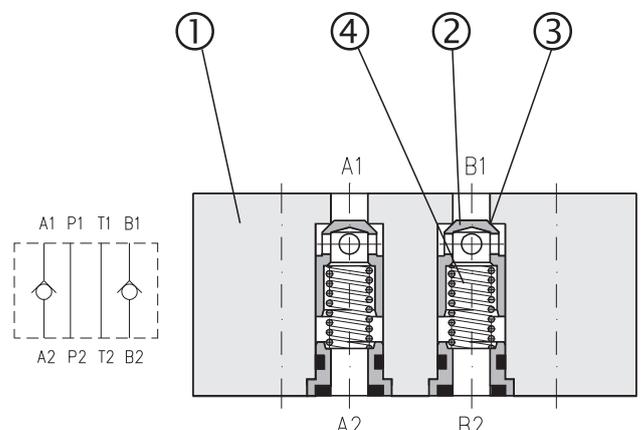
Functional Description

The check valves sandwich plate are used to allow flow in one direction and prevent flow in the other in the port in which the check element is installed. The sandwich design enables stacking with other components of the same size. The check elements are built into one or two service ports, the other ports being through-holes. The seat (3)

is machined directly in the housing (1) and the poppet (2) is pushed onto the seat by the compression spring (4). The cracking pressure depends on the spring selected and the pressurised poppet surface area. The valve housing surface is phosphate coated.



Model A



Model D

Ordering Code

VJO1-04/M -

Sandwich Check Valve Plate for Stacking Assemblies

Valve size **04 (D 02)**

Sandwich plate design

no designation
V

Seal
NBR
FPM (Viton)

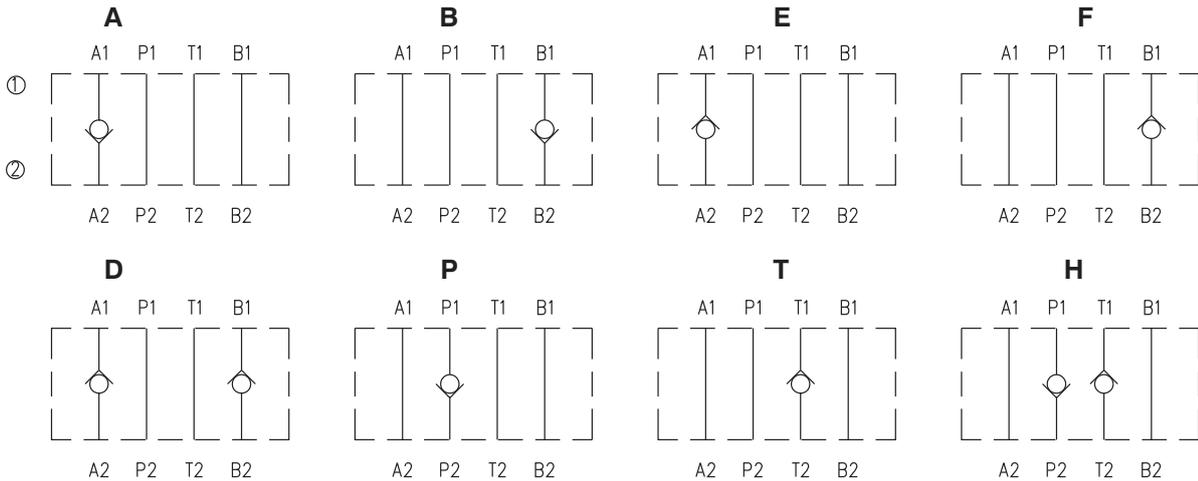
Cracking pressure
0.5 bar (7 PSI)
1.5 bar (22 PSI)
3.0 bar (43 PSI)

A
B
E
F
D
P
T
H

Functional Symbols
Check valve in line * A
Check valve in line * B
Check valve in line * A
Check valve in line * B
Check valves in lines * A and B
Check valve in line * P
Check valve in line * T
Check valves in lines * P and T

* see the table Functional symbols

Functional symbols



Notes: Symbol orientation on the label corresponds with the valve function.

- ① valve side
- ② subplate or manifold side

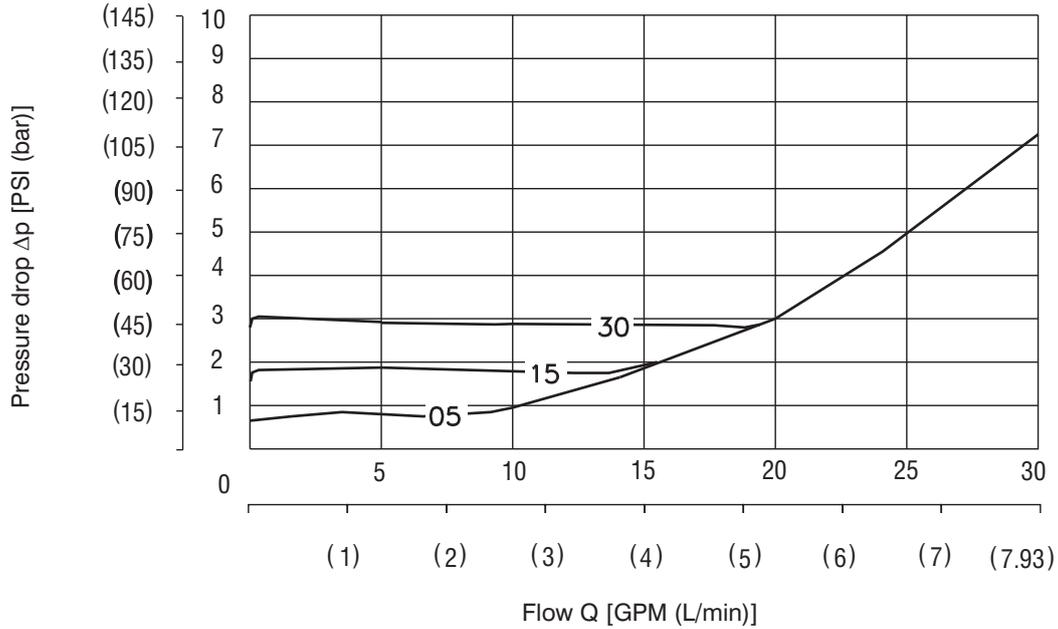
Technical Data

Valve size	mm (US)	04 (D 02)
Maximum flow	L/min (GPM)	30 (7.94)
Maximum operating pressure	bar (PSI)	320 (4600)
Cracking pressure	bar (PSI)	0,5 (7) 1,5 (0.4) 3 (0.8)
Hydraulic fluid	Hydraulic oils of power classes (HL, HLP) to DIN 51524	
Fluid temperature range for standard sealing (NBR)	°C (°F)	-30 ... +100 (-22... +212)
Fluid temperature range for Viton seals (FPM)	°C (°F)	-20 ... +120 (-4... +248)
Viscosity range	mm ² /s (SUS)	20 ... 400 (98... 1840)
Maximum degree of fluid contamination	Class 21/18/15 to ISO 4406	
Weight	kg (lbs)	0,40 (0.879)
Mounting position	unrestricted	

Δp-Q Characteristics

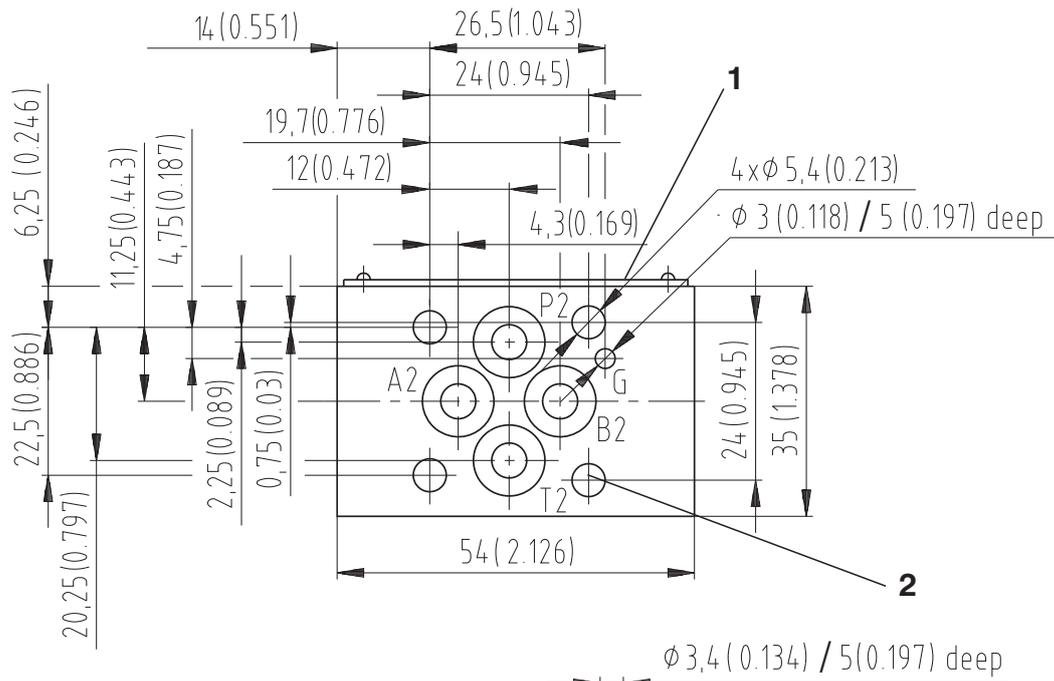
Measured at $v = 32 \text{ mm}^2/\text{s}$ (156 SUS)

Pressure drop Δp related to flow rate.

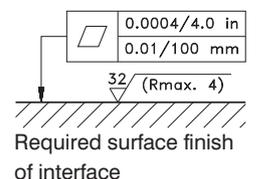


Valve Dimensions

Dimensions in millimeters (inches)



- Dimensions in millimeters:
- 1 Name plate
 - 2 4 through mounting holes
 - 3 Square ring (4 pcs.):
standard (NBR) - SR 010 6.07 x 1.68
Viton (FPM) - 6.07 x 1.78
supplied with valve



Spare Parts

Dimensions in millimeters

Seal kit

Type	Dimensions, quantity		Ordering number
	Square ring	O-ring	
Standard NBR	6.07 x 1.68 (4 pcs.)	-	15946100
Viton	-	6.07 x 1.78 (4 pcs.)	22662600

Caution!

- The packing foil is recyclable.
- The protective plate can be returned to manufacturer.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

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