

Pilot operated check, single

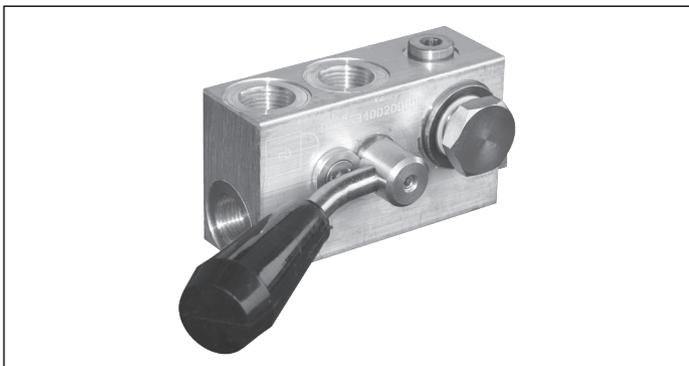
VSO-SE-DL-FCV-SX

05.52 - K - X - Y - Z

RE 18307-14

Edition: 09.2019

Replaces: 03.2016



Technical data

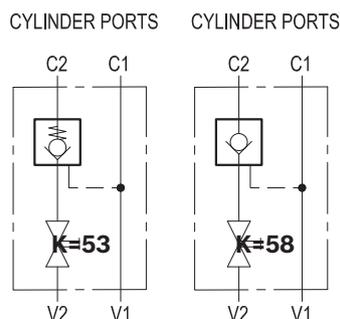
Operating pressure	up to 210 bar (3000 psi)
Max. flow	30 l/min. (8 gpm)
Pilot ratio	5.4 : 1
Installation torque	50 - 55 Nm (37 - 41 ft-lbs)
Weight	0.6 kg (1.32 lbs)
Manifold material	Aluminium
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.	
Fluid	Mineral oil (HL, HLP) according DIN 51524
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)
Viscosity range	5 to 800 mm ² /s (cSt)
Recommended degree of fluid contamination	Class 19/17/14 according to ISO 4406
Other technical data	see data sheet 18350-50

Note: for applications outside these parameters, please consult us.

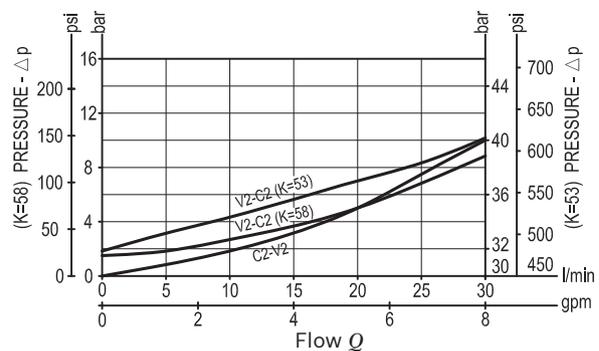
Description

A tap, manually controlled by the operator, allows inlet flow from V2 to pass through the check valve to C2: as a result, the motion of the actuator (typically the extension and positioning of an outrigger) happens under the operator's direct sight. The valve is normally closed (checked) and virtually leak-free from C2 to V2 in order to prevent reverse motion. Flow outlet from C2 to V2 and reverse motion (i.e. outrigger retraction or lifting up) is possible with manual tap open and if sufficient pilot pressure is present at V1-C1 so that the pilot piston may push the poppet from its seat. For compact assembly, the C2 port is banjo bolted directly onto the actuator port.

In case of valve application in redundancy systems it is especially recommended to use version with sealed pilot piston.



Characteristic curve



Ordering code

05.52	K	X	Y	Z
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Pilot operated check, single manual shut-off

53 see hydraulic schemes

58

O-Ring on pilot piston

10 With O-Ring

SPRINGS

Cracking pressure
bar (psi)

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for K=58

1.6 (23)

for K=53

32 (464)

Port sizes

V1 - V2

C1 - C2

02

G 3/8

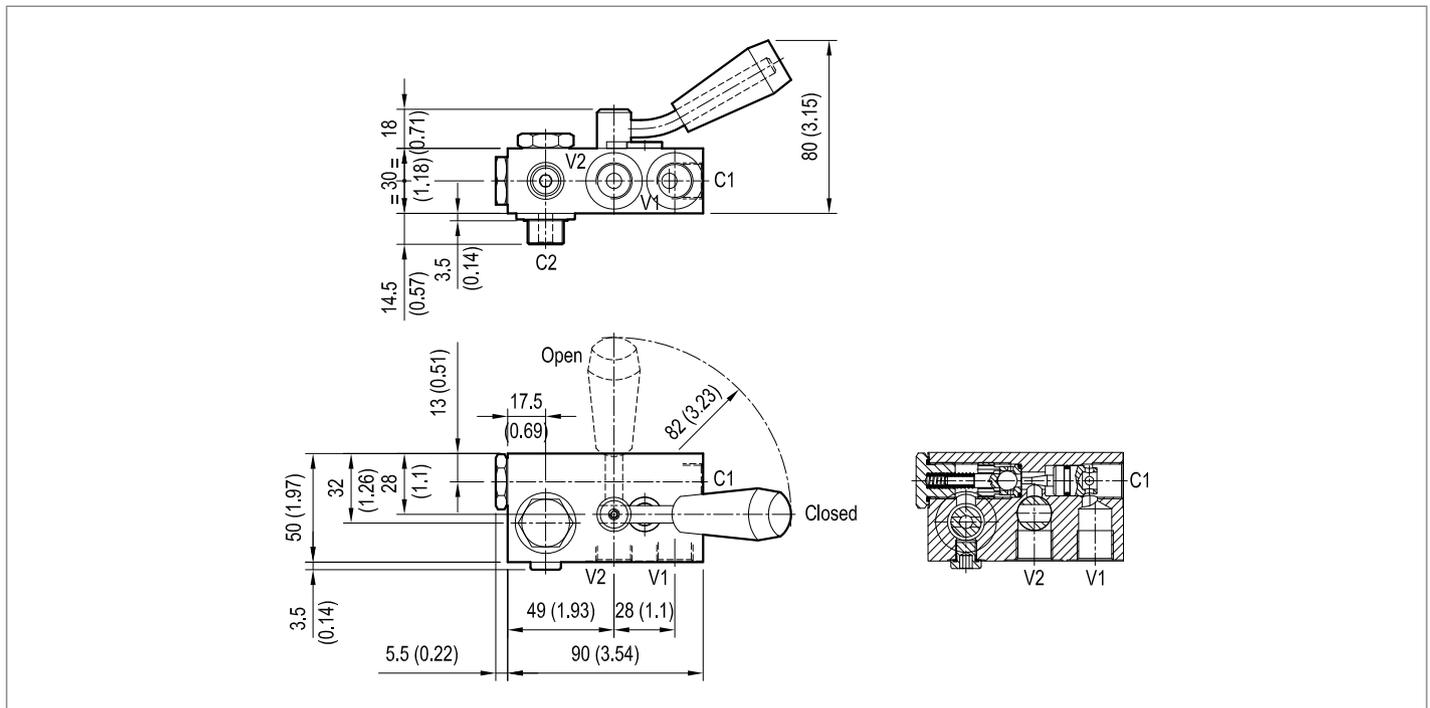
G 3/8

Preferred types

Type	Material number
055253100200000	R930002363
055258100200000	R930002367

Type	Material number

Dimensions



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