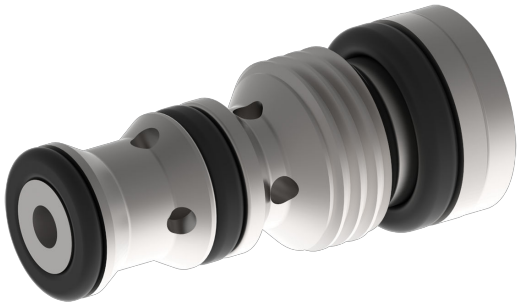
Lock valve
Shuttle valve

Q_{max} = 8 l/min, p_{max} = 250 bar
direct acting, ball type,
Type series: RWZ-2...

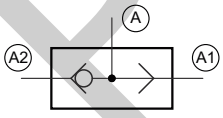


- Screw-in cartridge valve
- For cavity AEZ
- Untreated
- No sealing plug is needed
- With two alternative inlets (the unused one is closed) and one outlet
- For drawing pilot oil from two separate power circuits

Description

The cartridge shuttle valves, series RWZ..., are size 2, screw-in valves with a G 1/8“ mounting thread. They are designed on the proven ball/seat design. These valves are suitable for installation in control blocks and are used to draw pilot oil from two separate power circuits. The valve can be used as a logic element. These cartridge shuttle valves are designed for applications where the designer wishes to avoid the need to plug the bore with a sealing plug. For self-assembly, please refer to the section related data sheets.

Symbol



Technical data

General characteristics	Description, value, unit
Product status	Phase-Out
Alternative product	WRVC-G-04-... (170-P-053001)
Function group	Lock valve
Function	Shuttle valve

Phase-Out

General characteristics	Description, value, unit
Design	Screw-in cartridge valve
Characteristic	direct acting, ball type
Construction size	NG 2
Thread size	G 1/8”
Mounting attitude	unrestricted
Weight	0.01 kg
Cavity acc. factory standard	For cavity AEZ
Tightening torque steel	10 Nm
Tightening torque aluminium	10 Nm
Tightening torque tolerance	± 10 %
Minimum ambient temperature	- 25 °C
Maximum ambient temperature	+ 80 °C
Surface protection	Untreated
Sealing material	see ordering code
Seal kit order number	NBR: DS-277-N / FKM: DS-277-V

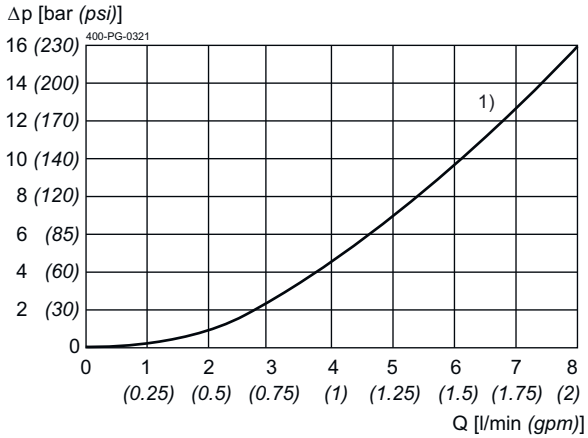
Hydraulic characteristics	Description, value, unit
Maximum operating pressure	250 bar
Maximum flow rate	8 l/min
Flow direction	see symbol
Hydraulic fluid	HL and HLP mineral oil according to DIN 51 524; other fluids on request!
Minimum fluid temperature	- 25 °C
Maximum fluid temperature	+ 80 °C
Viscosity range	10 ... 650 mm^2/s (cSt)
Recommended viscosity range	15 ... 250 mm^2/s (cSt)
Minimum fluid cleanliness (cleanlineless class according to ISO 4406:1999)	class 20/18/15

Phase-Out

Performance graphs

measured with oil viscosity 33.0 mm²/s (cSt)

Δp = f (Q) Pressure drop-flow rate characteristic

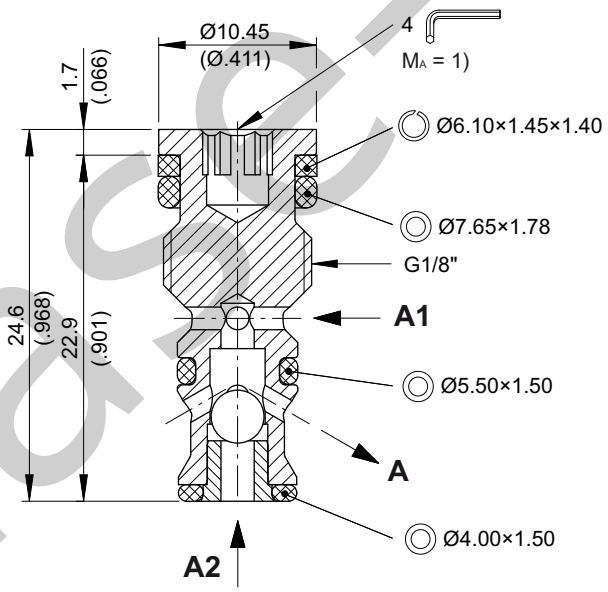


1) = A2 → A, A1 → A

Dimensions and sectional view

Beispiel für die Masseinheit:
Example for the dimensional units:

0.79 = 0.79 mm millimeter
(.031) = 0.031" inch



Installation information

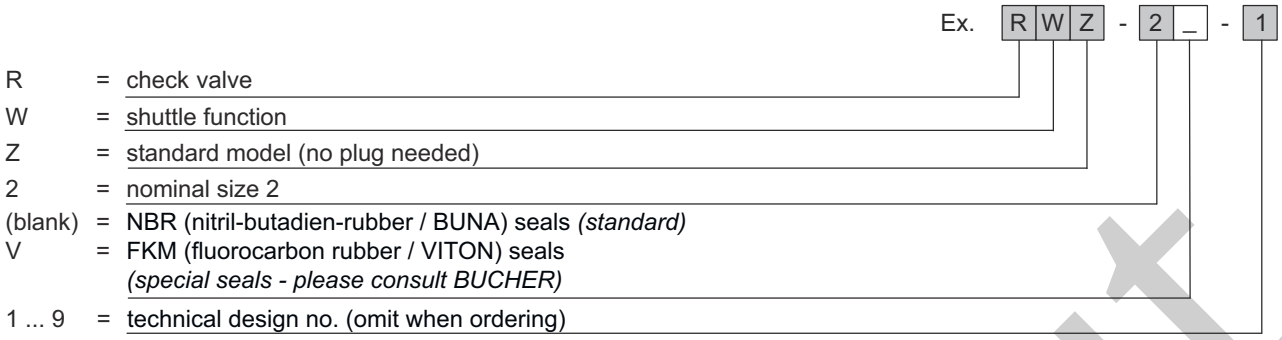
NOTE!
1) When fitting the screw-in cartridge valve, use the specified tightening torque. The value can be found in the chapter "Technical data".

NOTE!
The seals are not available individually. The seal kit order number can be found in the chapter "Technical data".

ATTENTION!
Only qualified personnel with mechanical skills may carry out any maintenance work. Generally, the only work that should ever be undertaken is to check, and possibly replace, the seals. When changing seals, oil or grease the new seals thoroughly before fitting them.

Phase-Out

Ordering code



Related data sheets

Reference	Description
400-P-040011	Form tools
400-P-040131	Cavity AEZ

Phase-Out

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