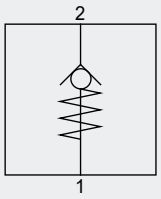
Check valve RBR

Max. operating pressure 350 bar
Max. flow rate up to 80 l/min



090240_RBR_14
12.2025

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Characteristics

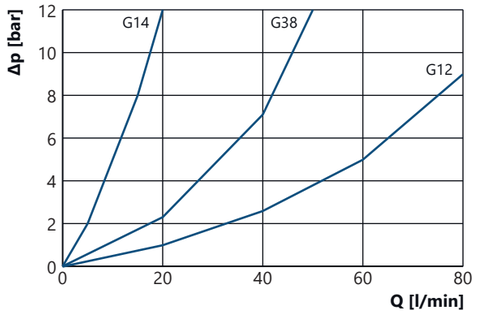
- Screw-in check valve
- Various sizes available
- Compact dimensions
- Maintenance-free

Technical data

Hydraulic characteristics	Max operating pressure:	350 bar
	Max. flow rate:	80 l/min
	Flow direction:	From 2 to 1
	Pressure setting range:	See type code
	Operating fluids:	Mineral oils according to DIN 51524, others on request
	Viscosity range:	5 - 800 cSt
	Filtration:	Oil purity according to ISO 4406 (1999) 18/16/13, filter with ß 5(c) > 200
NOTE	The pressure at connection 1 is added directly to the crack pressure.	
Mechanical characteristics	Design:	Screw-in valve
	Size:	See type code
	Fluid temperature:	-20 °C to +80 °C
	Ambient temperature:	-20 °C to +80 °C
	Storage temperature:	-20 °C to +60 °C (non-condensing)
	Installation position:	Any
	Weight:	See table
	Materials:	Valve parts: Steel Seal: NBR

Characteristic curves

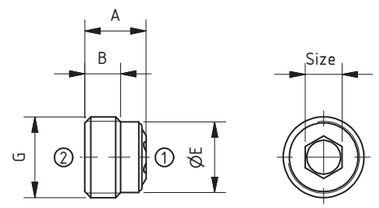
Pressure loss characteristic curve (Δp/Q) RBR



Measurement conditions Oil: HLP 32, temperature: 40 °C (~32 cSt).
Higher viscosities change the characteristic curves.

Dimensions

Check valve RBR



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Size G	A [mm]	B [mm]	E Ø [mm]	Size	Weight [kg]	Assembly [Nm]
G 1/4"	10	5.5	11.5	6	0.005	15
G 3/8"	11.2	6.7	14.95	6	0.015	20
G 1/2"	13.2	8	18.7	8	0.020	30

NOTE A detailed drawing of the cavity is provided in section 11, *"General information"* at *www.weber-hydraulik.com.*

Type code

RBR	-	
Check valve		

Size		Max. flow rate [l/min]	Crack pressure [bar]
14	G 1/4"	20	0.3
38	G 3/8"	50	0.3
12	G 1/2"	80	0.3

Accessories and further information

Operating manual Information regarding assembly, commissioning and maintenance is available in section 11, *"General information"* in the *"General Operating Manual"* category or on request.

Standard program

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Subject to changes