

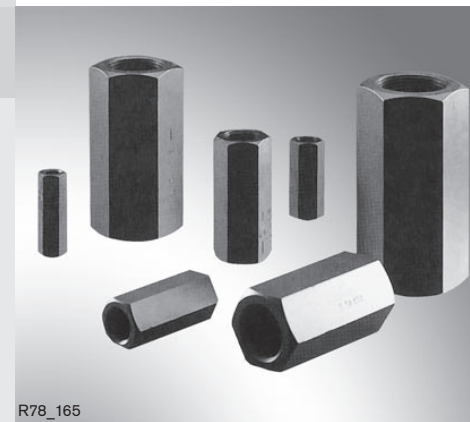
Check valve

RE 20375/12.06
Replaces: 01 .05

1/4

Type S

Sizes 6 to 30
 Maximum operating pressure 315 bar
 Maximum flow 450 l/min



R78_165

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Features

- For threaded connection (screw-in connection)
- Leak-free closure in one direction
- Various cracking pressures, optional (see ordering code)

Information on available spare parts:
www.boschrexroth.com/spc

Ordering code

S		A		● / *	
Check valve	= S				Further details in clear text
Size 6	= 6			0 =	Revision index (is entered in the factory)
Size 8	= 8				Cracking pressure (see curves on pages 3 and 4)
Size 10	= 10			0 =	Without spring
Size 15	= 15			1 =	Standard
Size 20	= 20			2 =	
Size 25	= 25			3 =	
Size 30	= 30			5 =	
For threaded connection	= A			8 =	(Sizes 25 and 30 only)

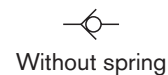
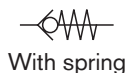
Preferred types

Type	Material no.
S 6 A0.0/	R900422880
S 6 A1.0/	R900422881
S 6 A5.0/	R900375858
S 8 A0.0/	R900422885
S 8 A1.0/	R900422886
S 8 A3.0/	R900422888
S 8 A5.0/	R900358268
S 10 A0.0/	R900420530
S 10 A1.0/	R900420531
S 10 A2.0/	R900420532
S 10 A3.0/	R900420534
S 10 A5.0/	R900446476
S 15 A0.0/	R900420536
S 15 A1.0/	R900420537
S 15 A2.0/	R900420520
S 15 A3.0/	R900420521
S 15 A5.0/	R900446477

Type	Material no.
S 20 A0.0/	R900420524
S 20 A1.0/	R900420525
S 20 A2.0/	R900420528
S 20 A3.0/	R900420529
S 20 A5.0/	R900446369
S 25 A1.0/	R900420511
S 25 A3.0/	R900420515
S 25 A5.0/	R900451778
S 30 A0.0/	R900420517
S 30 A1.0/	R900420519
S 30 A2.0/	R900420502
S 30 A3.0/	R900420504
S 30 A5.0/	R900446709

Further preferred types and standard components are listed in the EPS (standard price list).

Symbols

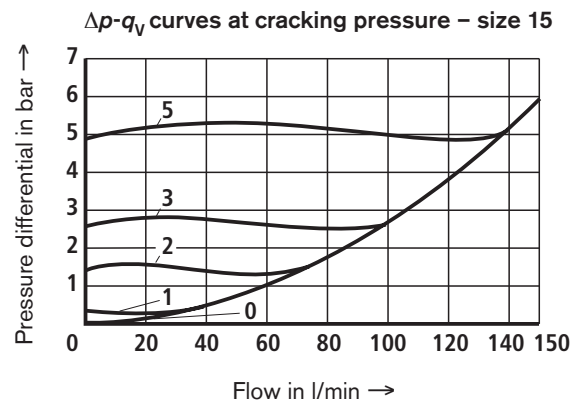
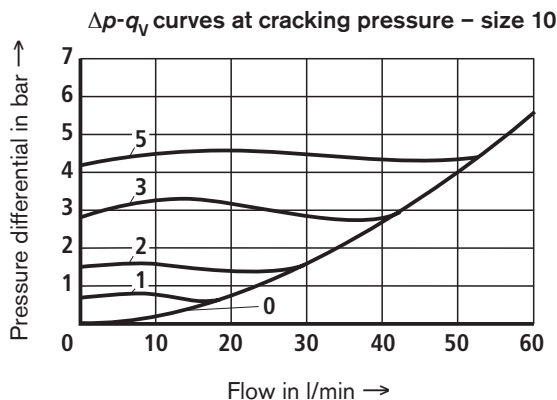
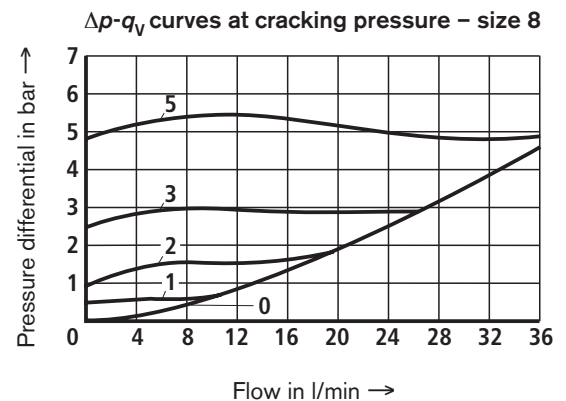
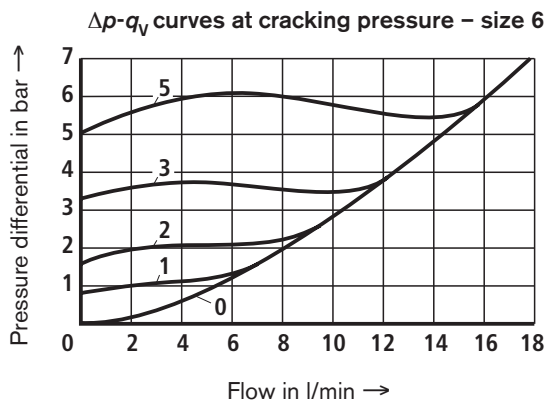


Technical data (for applications outside these parameters, please consult us!)

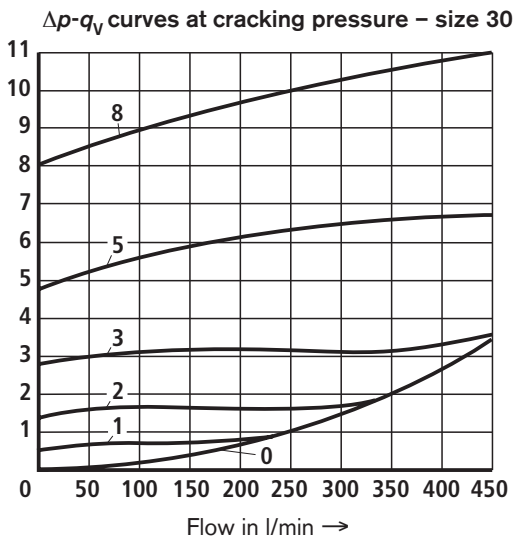
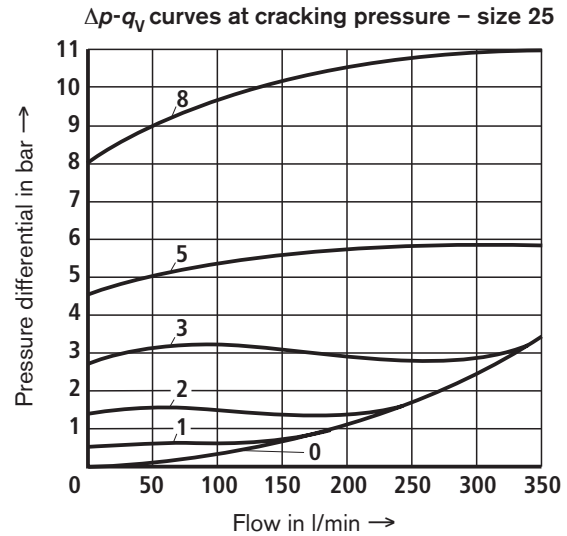
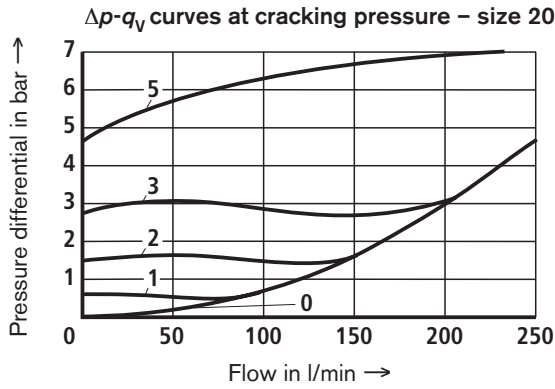
General								
Sizes	Size	6	8	10	15	20	25	30
Weight	kg	0.1	0.2	0.3	0.5	1.0	2.0	2.5
Hydraulic								
Maximum operating pressure	bar	315						
Cracking pressure	bar	See characteristic curves below and on page 4						
Maximum flow		See characteristic curves below and on page 4						
Hydraulic fluid		Mineral oil (HL, HLP) according to DIN 51524; fast bio-degradable hydraulic fluids according to VDMA 24568 (see also RE 90221); HETG (rape seed oil); HEPG (polyglycols); HEES (synthetic esters); other hydraulic fluids on inquiry						
Hydraulic fluid temperature range	°C	-30 to +80						
Viscosity range	mm ² /s	2.8 to 500						
Max. permissible degree of contamination of the hydraulic fluid, cleanliness class to ISO 4406 (c)		Class 20/18/15 ¹⁾						

¹⁾ The cleanliness classes specified for components must be adhered to in hydraulic systems. Effective filtration prevents malfunction and, at the same time, increases the service life of components.

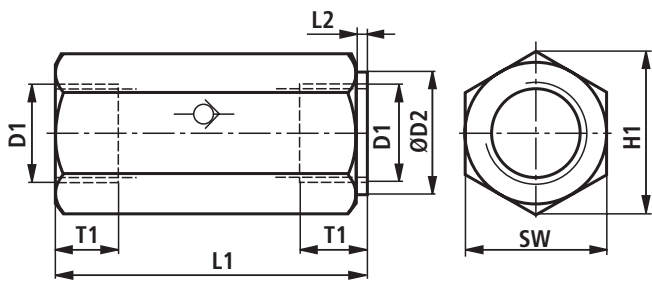
For the selection of filters, see data sheets RE 50070, RE 50076, RE 50081, RE 50086, RE 50087 and RE 50088.

Characteristic curves (measured with HLP46, $\vartheta_{oil} = 40 \text{ °C} \pm 5 \text{ °C}$)

Characteristic curves (measured with HLP46, $\vartheta_{oil} = 40 \text{ }^\circ\text{C} \pm 5 \text{ }^\circ\text{C}$)



Unit dimensions (nominal dimensions in mm)



Pipe thread "G" to ISO 228-1

	Size						
	6	8	10	15	20	25	30
D1	G1/4	G3/8	G1/2	G3/4	G1	G1 1/4	G1 1/2
ØD2	19	24	30	36	46	60	65
H1	22	28	34,5	41,5	53	69	75
L1	58	58	72	85	98	120	132
L1 ¹⁾	-	-	-	-	-	160 ¹⁾	168 ¹⁾
L2	2	2	2	2	2	2	2
T1	12	12	14	16	18	20	22
SW	19	24	30	36	46	60	65

¹⁾ Option „A8.0“

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