

The Drive & Control Company

Rexroth Bosch Group

Prefill valve

RE 20482

Edition: 2012-09 Replaces: 09.07

Type SF



- ▶ Size 125 ... 500
- ► Component series 4X
- ► Maximum operating pressure 350 bar [5076 psi]
- Flow up to 50000 l/min [13209 US gpm]
 (Δ**p** = 0.3 bar)

Features

- ► Pilot operated check valve, with or without predecompression
- ► Flange connection
- ► Tank installation
- ► Cartridge valve without control open spool (check valve)
- ▶ Reduced switching noises due to damping measures
- ► Rotatable low-pressure connection (housing)
- ► Inductive position switch, optional
- ▶ Higher operating pressures, upon request

Contents

Features	1
Ordering code	2
Symbols	2
Function, sections	3, 4
Technical data	5
Characteristic curves	6
Unit dimensions	7 12
Installation bore	11
Poppet geometry and determination of the minimum	ı
pilot pressure	13
Flow for different cases of application	14
More information	15



Ordering code

01	02	03	04		05		06		07	80	09	10	11
SF				-	1	_	4X	/					*

01	Prefill valve	SF
02	Size 125	125
	Size 150	150
	Size 200	200
	Size 250	250
	Size 300	300
	Size 350	350
	Size 400	400
	Size 500 (only version "A" and "B")	500

Type of connection

03	Flange connection	Α
	Tank installation	В
	Screw-in cartridge valve without control spool (check valve)	K
04	Without pre-decompression	0

04	Without pre-decompression	0
	With pre-decompression	1

Spring feedback of the main poppet

05	Cracking pressure ≈0.2 bar [≈2.9 psi]	1
06	Component series 40 to 49 (40 to 49: unchanged installation and connection dimensions)	4X

Spool position monitoring

07	Without position switch	no code
	With inductive position switch, position monitoring "open", with connector plug (only version "AO")	Q2G24Z

Seal material

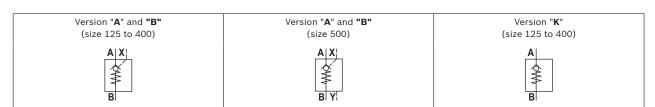
80	NBR seals	no code
	(Other seals upon request)	

Connection thread

09	Pipe thread according to ISO 228/1	no code				
Spec	Special version					
10	Chandand					

10	Standard	no code
	Operating pressure 420 bar (restricted size selection, please contact us)	SO102
	Operating pressure 500 bar (restricted size selection, please contact us)	SO104
11	Further details in the plain text	

Symbols





Prefill valve | SF 3/16

Function, sections: without pre-decompression "0"

The valve of type SF is a pilot operated check valve. It is used for the leakage oil-free isolation of pressurized working circuits, primarily pressing cylinders. Due to its aerodynamic design and the relatively low amount of closing force of the compression spring (4) at the main poppet, it is particularly suitable for the pulling function and for filling e.g. the main cylinder at presses during the fast closing movement.

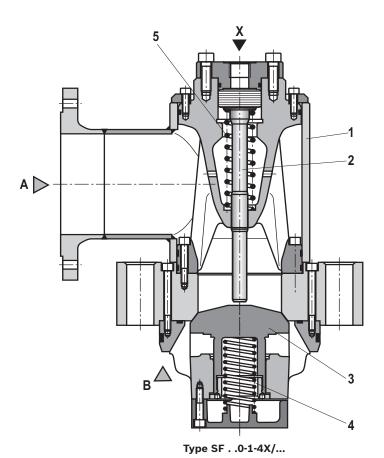
The valve basically comprises of a continuously rotatable housing (1), control spool (2), main poppet (3) and the compression springs (4) and (5).

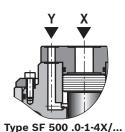
The valve allows for free flow from A to B. In the opposite direction, the main poppet (3) is held on the seat by the compression spring (4) and the pressure available at port B. The pressure at the control port X pushes the control spool (2) downwards, against the compression spring (5), and pushes the main poppet (3) off the seat. Now, the valve can also be flown through in the opposite direction. The opening time can be influenced by throttling the pilot oil supply.

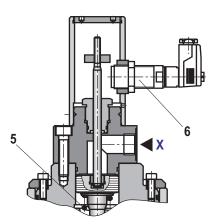
The structural set-up corresponds to the principle of modular systems, i.e. all versions are based on the basic valve.

Inductive position switch (only version "A0")

The position switch (6) reports the opened position of the prefill valve (switching point: cracking pressure > 40 %).







Type SF . A0-1-4X/Q2G24Z



Function, sections: with pre-decompression "1"

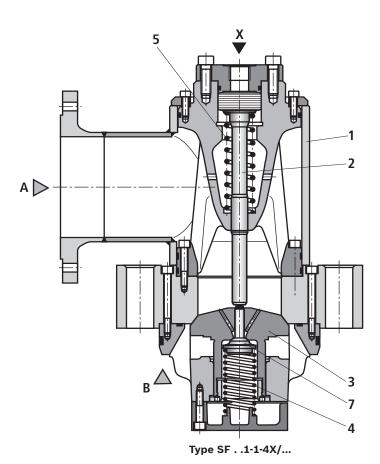
The function of this version basically corresponds to the version without pre-decompression.

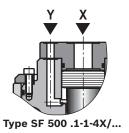
The valve basically comprises of a continuously rotatable housing (1), control spool (2), main poppet (3), pilot poppet (7) and the compression springs (4) and (5).

In case of pressure at the control port X, the control spool (2) only opens the pilot poppet (7) first. This guarantees shock-free decompression of the compressed hydraulic fluid

The opening time can be influenced by throttling the pilot oil supply.

The structural set-up corresponds to the principle of modular systems, i.e. all versions are based on the basic valve.







Prefill valve | SF 5/16

Technical data

(For applications outside these parameters, please consult us!)

general										
Size		Size	125	150	200	250	300	350	400	500
Weight	-Version "A"	kg [lbs]	75	135	185	365	625	1200	1580	3400
			[165]	[298]	[408]	[805]	[1377]	[2646]	[3483]	[7496]
	-Version "B"	kg [lbs]	60	105	145	295	545	1000	1400	3100
			[132]	[231]	[320]	[650]	[1202]	[2205]	[3087]	[6834]
	- Version "K"	kg [lbs]	45	90	105	205	355	670	950	-
			[99]	[198]	[231]	[452]	[783]	[1477]	[2094]	
Installation position			any							

hydraulic			
Maximum operating pressure	– Port A	bar [psi]	16 [232]
	- Port B, X and Y	bar [psi]	350 [5076]
Cracking pressure 1)		bar [psi]	≈0.2 [≈2.9]
Hydraulic fluid			see table below
Hydraulic fluid temperature ran (at the valve working ports)	ge	°C [°F]	-30 +80 [-22 +176]
Viscosity range		mm²/s [SUS]	10 800 [45 3720]
Maximum permitted degree of contamination of the hydraulic fluid - cleanliness class according to ISO 4406 (c)			Class 20/18/15 ²⁾

Hydraulic fluid		Classification	Suitable sealing materials	Standards
Mineral oils and rela	ted hydrocarbons	HL, HLP, HVLP	NBR, FKM ³⁾	DIN 51524
Bio-degradable	– insoluble in water	HETG	NBR, FKM ³⁾	VDMA 24568
		HEES	FKM ³⁾	
	- soluble in water	HEPG	FKM ³⁾	VDMA 24568
Flame-resistant	- water-free	HFDU, HFDR	FKM ³⁾	ISO 12922
		HFC	NBR	ISO 12922

Important information on hydraulic fluids!

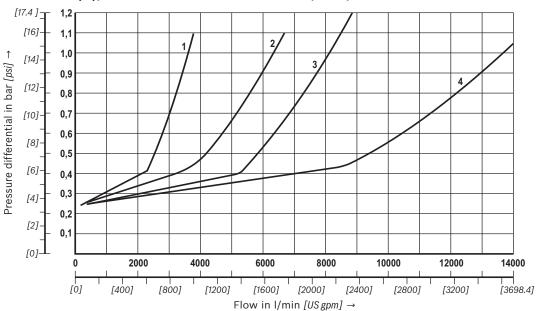
- ► For more information and data on the use of other hydraulic fluids refer to data sheet 90220 or contact us!
- ► Flame-resistant and bio-degradable: There may be limitations regarding the technical valve data (temperature, pressure range, life cycle, maintenance intervals, etc.)!
- Pressure differential at the main poppet for overcoming the spring force.
- 2) The cleanliness classes specified for the components must be adhered to in hydraulic systems. Effective filtration prevents faults and at the same time increases the life cycle of the components. For the selection of the filters see www.boschrexroth.com/filter.
- 3) Upon request



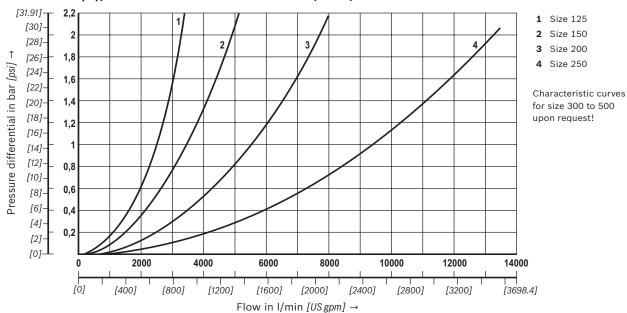
Characteristic curves

(measured with HLP46, $\vartheta_{oil} = 40 \pm 5 \degree C [104 \pm 9 \degree F]$)





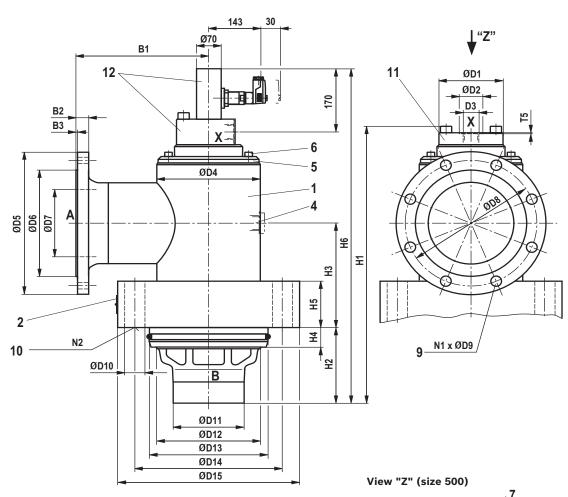
Δp - q_V characteristic curves – size 125 ... 250 (B \rightarrow A)





Prefill valve | SF 7/16

Unit dimensions: Version "A", flange connection (dimensions in mm [inch])



Modification of the type of connec-

- ▶ 1. Loosen the mounting screws (6)
- ▶ 2. Remove the ring (5)

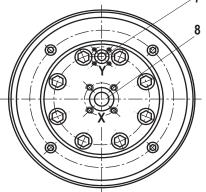
tion from "A" into "B"

▶ 3. Remove the housing (1)

Rotating the housing (1)

- ▶ 1. Loosen the mounting screws (6)
- ▶ 2. Rotating the housing (1)
- ▶ 3. Tighten the mounting screws (6)

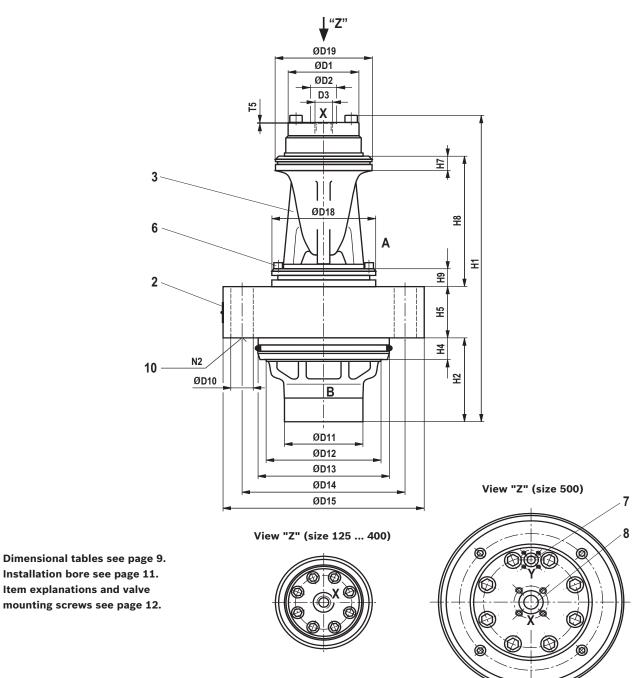




Dimensional tables see page 9. Installation bore see page 11. Item explanations and valve mounting screws see page 12.



Unit dimensions: Version "B", tank installation (dimensions in mm [inch])



Modification from type of connection "B" into type of connection "K"

- ▶ 1. Loosen the mounting screws (6)
- ▶ 2. Remove the control cylinder (3)



Prefill valve | **SF** 9/16

Unit dimensions: Version "A" and "B" (dimensions in mm [inch])

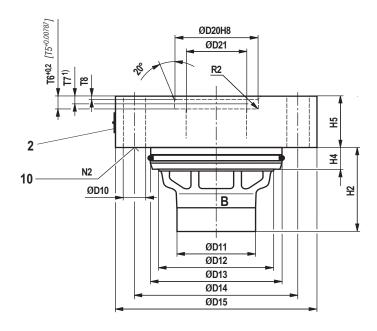
Size	B1	B2	В3	ØD1	ØD2	D3	ØD4	ØD5	ØD6	ØD7
125	210 [8.27]	22 [0.87]	3 [0.118]	110 [4.33]	42 [1.65]	G3/4	178 [7.01]	250 [9.84]	188 [7.40]	132 [5.2]
150	250 [9.84]	22 [0.87]	3 [0.118]	130 [5.12]	42 [1.65]	G3/4	229 [9.02]	285 [11.22]	212 [8.35]	159 [6.26]
200	275 [10.83]	24 [0.95]	3 [0.118]	150 [5.91]	47 [1.85]	G1	273 [10.75]	340 [13.39]	268 [10.55]	207 [8.15]
250	330 [12.99]	26 [1.02]	3 [0.118]	190 [7.48]	58 [2.28]	G1 1/4	356 [14.02]	405 [15.94]	320 [12.6]	260 [10.24]
300	380 [14.96]	28 [1.10]	4 [0.158]	225 [8.86]	58 [2.28]	G1 1/4	419 [16.5]	460 [18.11]	378 [14.88]	310 [12.2]
350	440 [17.32]	30 [1.18]	4 [0.158]	275 [10.83]	65 [2.56]	G1 1/2	508 [20]	520 [20.47]	438 [17.24]	340 [13.39]
400	530 [20.87]	32 [1.26]	4 [0.158]	320 [12.6]	65 [2.56]	G1 1/2	572 [22.52]	580 [22.83]	490 [19.29]	390 [15.35]
500	620 [24.41]	34 [1.34]	4 [0.158]	398 [15.67]	-	-	802 [31.57]	715 [28.15]	610 [24.02]	492 [19.37]

Size	ØD8	ØD9	ØD10	ØD11	ØD12	ØD13	ØD14	ØD15	ØD18	ØD19
125	210 [8.27]	18 [0.71]	33 [1.3]	120 [4.72]	175 [6.89]	200 [7.87]	250 [9.84]	310 [12.2]	159 [6.26]	156 [6.14]
150	240 [9.45]	22 [0.87]	40 [1.58]	145 [5.71]	220 [8.66]	250 [9.84]	310 [12.2]	380 [14.96]	200 [7.87]	195 [7.68]
200	295 [11.61]	22 [0.87]	40 [1.58]	155 [6.1]	265 [10.43]	290 [11.42]	350 [13.78]	420 [16.54]	235 [9.25]	230 [9.06]
250	355 [13.98]	26 [1.02]	46 [1.81]	180 [7.09]	350 [13.78]	380 [14.96]	445 [17.52]	530 [20.87]	315 [12.4]	310 [12.2]
300	410 [16.14]	26 [1.02]	46 [1.81]	220 [8.66]	420 [16.54]	450 [17.72]	525 [20.67]	610 [24.02]	375 [14.76]	370 [14.57]
350	470 [18.5]	26 [1.02]	55 [2.17]	295 [11.61]	515 [20.28]	550 [21.65]	640 [25.2]	750 [29.53]	455 [17.91]	450 [17.72]
400	525 [20.67]	30 [1.18]	68 [2.68]	345 [13.58]	600 [23.62]	625 [24.61]	720 [28.35]	850 [33.46]	530 [20.87]	525 [20.67]
500	650 [25.59]	33 [1.3]	68 [2.68]	450 [17.72]	770 [30.31]	800 [31.5]	940 [37.01]	1070 [42.13]	750 [29.53]	745 [29.33]

Size	H1	H2	Н3	H4	H5	Н6	H7	Н8	Н9	T5	N1	N2
125	490	136	185	35	80	515	25	207	28	1	8	12
	[19.29]	[5.35]	[7.28]	[1.38]	[3.15]	[20.28]	[0.98]	[8.15]	[1.10]	[0.0394]		1
150	604	160	220	35	90	603	26	248	31	1	8	12
	[23.78]	[6.3]	[8.66]	[1.38]	[3.54]	[23.74]	[1.02]	[9.76]	[1.22]	[0.0394]		1
200	695	180	255	35	100	671	27	298	36	1	12	15
	[27.36]	[7.09]	[10.04]	[1.38]	[3.94]	[26.42]	[1.06]	[11.73]	[1.42]	[0.0394]		1
250	835	240	320	55	120	756	38	379	44	1	12	18
	[32.87]	[9.45]	[12.6]	[2.16]	[4.72]	[29.76]	[1.5]	[14.92]	[1.73]	[0.0394]		
300	1085	305	390	55	160	935	38	442	59	1	12	24
	[42.72]	[12.01]	[15.35]	[2.16]	[6.3]	[36.81]	[1.5]	[17.4]	[2.32]	[0.0394]		
350	1259	360	460	55	200	1045	50	500	60	1	16	24
	[49.57]	[14.17]	[18.11]	[2.16]	[7.87]	[41.14]	[1.97]	[19.69]	[2.36]	[0.0394]		
400	1463	423	510	55	210	1195	63	577	80	1	16	20
	[57.6]	[16.65]	[20.08]	[2.16]	[8.27]	[47.05]	[2.48]	[22.72]	[3.15]	[0.0394]		1
500	1750	700	600	55	250	1290	70	686	90	2	20	24
	[68.9]	[27.56]	[23.62]	[2.16]	[9.84]	[50.79]	[2.76]	[27.01]	[3.54]	[0.0787]		1



Unit dimensions: Version "K", cartridge valve without control spool (dimensions in mm [inch])



1) Depth of fit

Dimensional tables see page 9.
Installation bore see page 11.
Item explanations and valve mounting screws see page 12.

Size	ØD10	ØD11	ØD12	ØD13	ØD14	ØD15	ØD20	ØD21
125	33 [1.3]	120 [4.72]	175 [6.89]	200 [7.87]	250 [9.84]	310 [12.2]	130 [5.12]	105 [4.13]
150	40 [1.58]	145 [5.71]	220 [8.66]	250 [9.84]	310 [12.2]	380 [14.96]	160 [6.3]	130 [5.12]
200	40 [1.58]	155 [6.1]	265 [10.43]	290 [11.42]	350 [13.78]	420 [16.54]	185 [7.28]	155 [6.1]
250	46 [1.81]	180 [7.09]	350 [13.78]	380 [14.96]	445 [17.52]	530 [20.87]	250 [9.84]	206 [8.11]
300	46 [1.81]	220 [8.66]	420 [16.54]	450 [17.72]	525 [20.67]	610 [24.02]	300 [11.81]	255 [10.04]
350	55 [2.17]	295 [11.61]	515 [20.28]	550 [21.65]	640 [25.2]	750 [29.53]	350 [13.78]	305 [12.01]
400	68 [2.68]	345 [13.58]	600 [23.62]	625 [24.61]	720 [28.35]	850 [33.46]	400 [15.75]	355 [13.98]

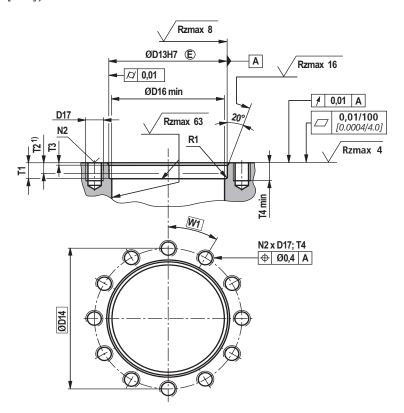
Size	H2	H4	H5	Т6	T7	Т8	R2	N2
125	136 [5.35]	35 [1.38]	80 [3.15]	14 [0.551]	12 [0.472]	3 [0.118]	0.5 [0.0197]	12
150	160 [6.3]	35 [1.38]	90 [3.54]	14 [0.551]	12 [0.472]	3 [0.118]	0.5 [0.0197]	12
200	180 [7.09]	35 [1.38]	100 [3.94]	14 [0.551]	12 [0.472]	3 [0.118]	0.5 [0.0197]	15
250	240 [9.45]	55 [2.16]	120 [4.72]	21 [0.827]	19 [0.748]	4.5 [0.177]	1.6 [0.063]	18
300	305 [12.01]	55 [2.16]	160 [6.3]	21 [0.827]	19 [0.748]	4.5 [0.177]	1.6 [0.063]	24
350	360 [14.17]	55 <i>[2.16]</i>	200 [7.87]	30 [1.181]	27 [1.063]	8 [0.315]	1.6 [0.063]	24
400	423 [16.65]	55 <i>[2.16]</i>	210 [8.27]	30 [1.181]	27 [1.063]	6 [0.236]	1.6 [0.063]	20



Prefill valve | SF 11/16

Installation bore

(dimensions in mm [inch])



Size	ØD13	ØD14	ØD16	D17 ²⁾	R1	T1	T2	Т3	T4	N2	W1
125	200 [7.87]	250 [9.84]	180 [7.09]	M30	3 [0.118]	37 [1.46]	26 [1.02]	5 [0.196]	40 [1.58]	12	30°
150	250 [9.84]	310 [12.2]	230 [9.06]	M36	3 [0.118]	37 [1.46]	26 [1.02]	5 [0.196]	60 [2.36]	12	30°
200	290 [11.42]	350 [13.78]	270 [10.63]	M36	3 [0.118]	37 [1.46]	26 [1.02]	5 [0.196]	50 [1.97]	15	24°
250	380 [14.96]	445 [17.52]	355 [13.98]	M42	5 [0.197]	57 [2.24]	42 [1.65]	8 [0.315]	60 [2.36]	18	20°
300	450 [17.72]	525 [20.67]	425 [16.73]	M42	5 [0.197]	57 [2.24]	42 [1.65]	8 [0.315]	75 [2.95]	24	15°
350	550 [21.65]	640 [25.2]	520 [20.47]	M52	5 [0.197]	57 [2.24]	42 [1.65]	8 [0.315]	80 [3.15]	24	15°
400	625 [24.61]	720 [28.35]	605 [23.82]	M64	5 [0.197]	57 [2.24]	42 [1.65]	8 [0.315]	95 [3.74]	20	18°
500	800 [31.5]	940 [37.01]	785 [30.91]	M64	5 [0.197]	60 [2.36]	45 [1.77]	10 [0.394]	110 [4.33]	24	15°

¹⁾ Depth of fit

Motice!

Design of the valve mounting face (e. g. pressing cylinders, bearing structures, etc.) must be sufficiently rigid! The prefill valve must not be loaded by bending!

²⁾ In earlier data sheet versions, fine threads were moreover specified. Please note when selecting the mounting screws!



Unit dimensions

1 Housing with low-pressure flange, continuously rotatable

2 Name plate

3 Control cylinder

4 Connection G1 1/2 (draining, only size 500); tightening torque $\textit{\textbf{M}}_{\rm A}$ = 300 Nm ±10 %

5 Ring

6 Mounting screws; tightening torque see table on the right

7 Port Y; connection flange upon request

8 Port X; connection flange upon request

9 N1 Number of the flange mounting screens evenly arranged at the circumference (type of connection "A")

10 N2 Number of the valve mounting screws evenly arranged at the circumference (see below)

11 Version "without position switch"

12 Version "Q2G24Z"

Size	Tightening torques M _A in Nm ±10 % (6)
125	25
150	51
200	51
250	87
300	215
350	215
400	430
500	110

Valve mounting screws (separate order)

For reasons of stability, exclusively use the following valve mounting screws:

Size	Quantity (N2)	Dimension 2)	Tightening torque M _A in Nm [ft-lbs] ±5 %
			Hexagon socket head cap screw ISO 4762 - 10.9-flZn (or DIN 912 - 10.9) 1)
125	12	M30 x 120	1400 [1033]
150	12	M36 x 150	2600 [1918]
200	15	M36 x 150	2600 [1918]
250	18	M42 x 180	4500 [3319]
300	24	M42 x 220	4500 [3319]
350	24	M52 x 280	8500 [6269]
400	20	M64 x 300	16000 [11801]
500	24	M64 x 350 ³⁾	20000 [14751]

¹⁾ Friction coefficient μ_{total} = 0.09 to 0.14

²⁾ In earlier data sheet versions, fine threads were moreover specified. Please note when designing the mounting bores or when revising existing constructions!

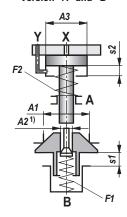
³⁾ Assembly with washers (washer ISO 7089-64-300 HV, not included in the scope of delivery).



Prefill valve | SF 13/16

Poppet geometry and determination of the minimum pilot pressure

Version "A" and "B"



A1 = Effective area of the main poppet

A2 = Effective area of the pilot poppet

A3 = Effective area of the control spool

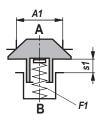
s1 = Stroke of the main poppet

s2 = Stroke of the control spool

F1 = Spring force of the valve spring

F2 = Spring force of the compression spring of the control spool

Version "K"



 $V_{\text{st X}}$ = Pilot oil volume for opening the valve

 $V_{\text{st Y}}$ = Pilot oil volume for closing the valve

 p_{St} = Pilot pressure at port X

 p_B = System pressure at port B

Unchecking ratio =

Pilot pressure **p**_{St}

System pressure **p**_B

Size	A1	A2 1)	A3	s1	s2	F1	F2	V _{st X}	V _{st Y}	Uncheck	ing ratio
	in cm² [inch²]	in cm² [inch²]	in cm² [inch²]	in mm [inch]	in mm [inch]	in N <i>[lbs]</i>	in N <i>[lbs]</i>	in cm ³ [inch ³]	in cm ³ [inch ³]	2)	3)
125	101.0 [15.66]	2.5 [0.388]	24.6 [3.81]	28 [1.10]	25 [0.98]	220 - 360 [49.5 - 80.9]	780 - 2340 [175 - 526]	62 [3.78]	-	4.1	0.1
150	153.9 [23.86]	3.8 [0.589]	38.5 [5.97]	35 [1.38]	29 [1.14]	350 - 570 [78.7 - 128]	1530 - 3550 [344 - 798]	112 [6.83]	-	4.0	0.1
200	216.4 [33.54]	4.9 [0.759]	50.3 [7.8]	42 [1.66]	34 [1.34]	490 - 760 [110.2 - 170.8]	1920 - 4540 [432 - 1021]	171 [10.44]	-	4.3	0.1
250	373.3 [57.86]	9.6 [1.488]	95.0 [14.73]	53 [2.09]	41 [1.61]	870 – 1430 [87 – 143]	4160 - 7260 [935 - 1632]	390 [23.8]	-	3.9	0.1
300	572.6 [88.75]	13.9 [2.16]	143.1 [22.18]	63 [2.48]	48 [1.89]	1490 - 2630 [335 - 591]	6080 - 11040 [1367 - 2482]	687 [41.92]	-	4.0	0.1
350	826.6 [128.12]	21.2 [3.29]	213.8 [33.14]	78 [3.07]	58 [2.28]	2180 - 3880 [490 - 872]	9490 - 15600 [2133 - 3507]	1240 [75.67]	-	3.9	0.1
400	1158.0 [179.49]	32.2 [4.99]	314.2 [48.7]	93 [3.66]	68 [2.68]	3310 - 6230 [744 - 1401]	13900 - 22570 [3125 - 5074]	2136 [130.4]	-	3.7	0.1
500	1948.0 [301.94]	49.0 [7.59]	490.9 [76.09]	140 [5.51]	100 [3.94]	6520 - 13800 [1466 - 3102]	-	4909 [299.6]	1767 [107.8]	4.0	0.1

1) Is omitted for version "without pre-decompression" (SF ...0...)

2) Without pre-decompression

3) With pre-decompression

Calculation example type SF 300 ...;

p_B = 30 bar

p_{St} = 4.0 x 30 bar = 120 bar



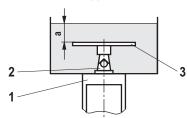
Flow in I/min [US gpm] (A to B) for the different cases of application ($\Delta p = 0.3$ bar)

Size	125	150	200	250	300	350	400	500
Case of application 1	2500	3900	5600	10000	15600	22480	30600	50000
	[660]	[1030]	[1479]	[2642]	[4121]	[5939]	[8084]	[13209]
Case of application 2	2500	3900	5600	10000	14000	19050	24880	40000
	[660]	[1030]	[1479]	[2642]	[3698]	[5033]	[6573]	[10567]
Case of application 3	1700	2440	4340	6775	9750	13280	17340	28000
	[449]	[645]	[1147]	[1790]	[2576]	[3508]	[4581]	[7397]
Case of application 4	1470	2120	3770	5890	8480	11540	15080	25000
	[388]	[560]	[996]	[1556]	[2240]	[3049]	[3984]	[6604]
Case of application 5	590	850	1510	2360	3400	4620	6050	upon
	[156]	[1910]	[399]	[624]	[898]	[1221]	[1598]	request

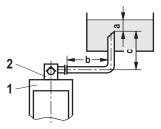
Notice!

An underdimensioned prefill valve and/or an underdimensioned line leads to gas leaks from the hydraulic fluid with corresponding consequences and often to long-term damage at the cylinder seals. For boundary areas, please ask us!

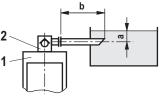
Case of application 1



Case of application 2

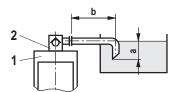


Case of application 3

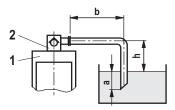


Size of the filling tank at least 1.5 x cylinder content

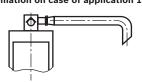
Case of application 4



Case of application 5



Information on case of application 1 to 5



For limit areas, please ask us. It is often enough, to select a pipeline which is one size larger.

- 1 Cylinder
- 2 Prefill valve
- 3 This sheet is not included in the scope of delivery. With smaller tank dimensions and minimum hydraulic fluid level (a), it prevents the formation of tunnels.
- **a** Min. 300 mm [11.81 inch] with extended cylinder
- **b** up to 1000 mm [39.37 inch] with the specified maximum flows
- **c** h ≤ 500 mm [19.69 inch]
- **h** 300 mm [11.81 inch] ≤ h < 500 mm [19.69 inch]



Prefill valve | SF 15/16

More information

► Prefill valve, actively switchable

► Hydraulic fluids on mineral oil basis

► Sales information – Serial overview of the prefill valves

► General product information on hydraulic products

► Assembly, commissioning and maintenance of industrial valves

▶ Inductive position switch, type Q2

► Selection of the filters

Data sheet 20473
Data sheet 90220
Data sheet 20482-01-V
Data sheet 07008
Data sheet 07300
Data sheet upon request
www.boschrexroth.com/filter