

Load holding - lowering valve

Type SBV700

NG 6 ISO

up to 25 l/min, up to **700 bar**

Features

- Pilot pressure adjustable up to max. 350 bar
- Low tendency for vibration due to function independent from load



Applications

For load holding and controlled lowering of loads with double acting cylinders. Protection against uncontrolled and improper movement in direction of load.

Design

- Seated valves in sandwich plate design
- Directly operated valves

Technical data

Hydraulic fluid	mineral oil according to DIN 51524 (other fluids on request)	
Fluid temperature range	-20 to 80 °C	
Ambient temperature range	-30 to 50 °C	
Viscosity range	5 to 400 mm ² /s	
Porting	NG 6 according to DIN 24340 / ISO 4401 / CETOP RP 121 H	
Max. operating pressure port P, A, B	700 bar	
Max. operating pressure port T	350 bar	
Max. flow rate	25 l/min	
Pilot pressure adjustable	50 bar up to 350 bar	
Filtration (recommendation)	According to NAS 1638, class 6 resp. class 17/15/12 ISO/DIN 4406	
Weight	2,3 kg	
Materials	housing:	steel, galvanized, chromated
	cartridge:	steel corrosion resistant
	adjusting knob:	plastic

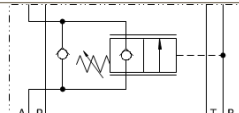
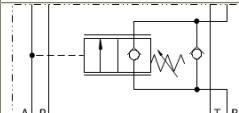
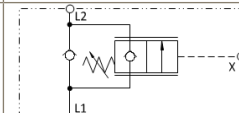
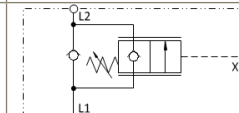
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Ordering code

Example	700	SBV	-	6	-	A	-	350	-	V	-	A		00
Load holding - lowering valve														
Type	BV700													
Nominal Size	6													
Design														
A	CETOP connection, port A closed, operated by B													
B	CETOP connection, port B closed, operated by A													
L	for in-line mounting													
F	cylinder mounting													
Pilot pressure														
350	max. adjustable pilot pressure (50 - 350 bar)													
Seal material	V FKM other seals on request													
Special design 01 ... 99 (00 for standard)														
Part index Please leave blank For internal purposes														
Desing revision For internal purposes														

Standard design

Design	A	B	L	F
Type code	SBV700-6-A-350-V-A*00	SBV700-6-B-350-V-A*00	SBV700-6-L-350-V-A*00	SBV700-6-F-350-V-A*00
Part No.	3686771	3687582	4052347	4052346
Symbol				

A

8.8 8.7
 $\phi 5.3$
 9.5 31 43.5 21.5 40.5
 10.4 10.4 32.5 50
 25

B

8.8 8.7
 9.5 31 10.4 10.4 32.5
 13.5 21.5 40.5
 $\phi 5.3$
 50 25

L

183 max.
 100
 $\phi 32$
 33 63

F

max. 183
 100
 $\phi 32$
 33 63

E

G 3/8" L2
 12.5 78 12.5
 42
 G 3/8" L1

D

177 90 33.8 15
 G 1/4" X
 12.5 30 50
 $\phi 32$
 33

C

38.7 35 17.5
 25 12 7.5 17.5 35
 $\phi 8.5$
 G 1/4" X

G

G 3/8" L2
 12
 X
 $\phi 12.2$ L1
 77 100
 max. 183
 33

For each valve the following is included:
4 pcs. O-rings 9,25 x 1,78 mm, 90° ShA
1 Adjusting knob mounted
1 Cap in addition

Tie bolts / fixing screws and subplates see Technical data sheet AP / RP