

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. ISO/DIN 4406 17/15/12	
Weight	2,3 kg	
Material	Housing:	steel, galvanized, chromated
	Cartridge:	steel corrosion resistant
	Adjusting knob:	plastic

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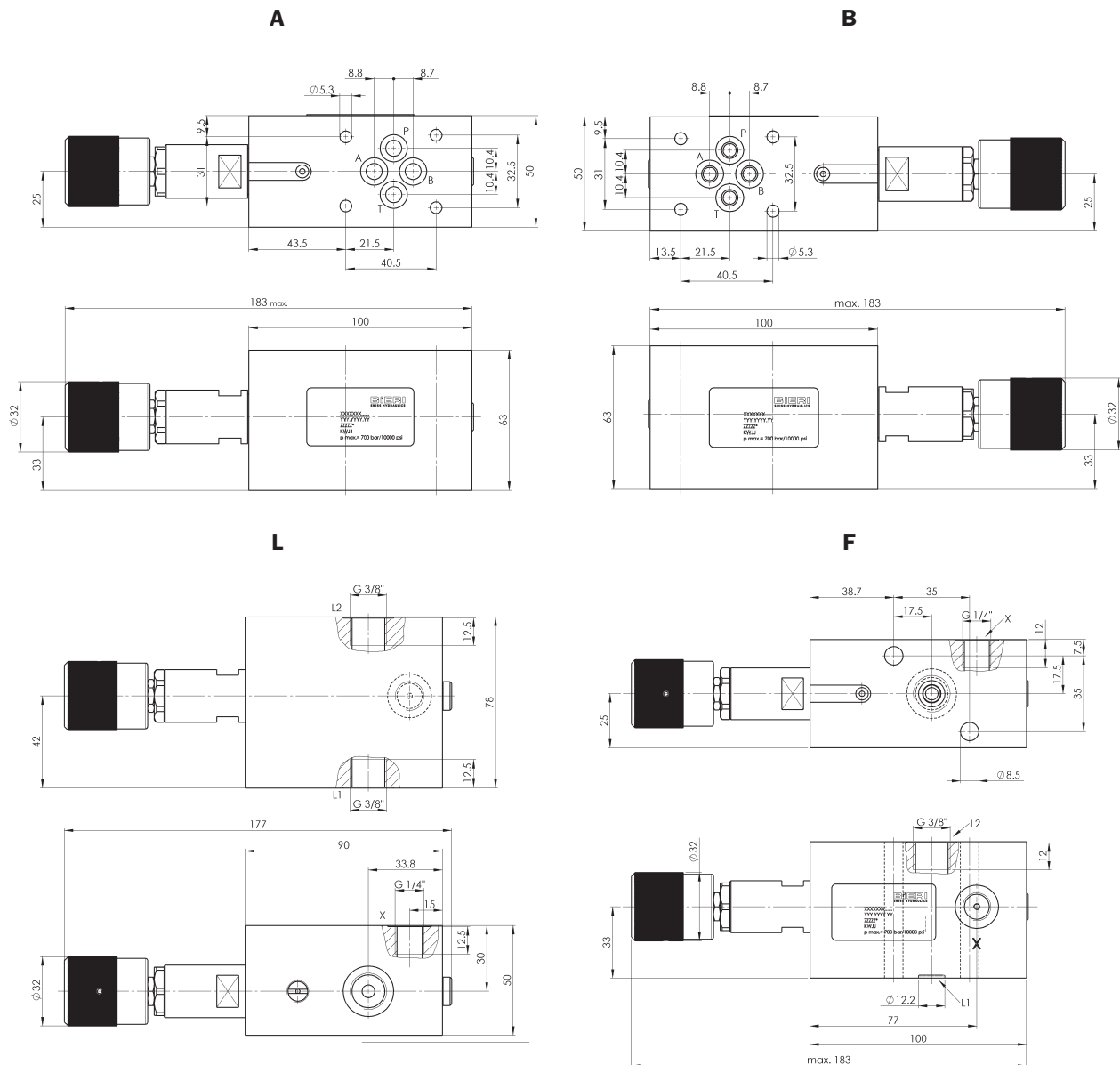
Ordering code

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

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				

Dimensional drawings



Scope of delivery

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

Bieri Hydraulik AG

Könizstrasse 274
 CH-3097 Liebfeld
 Tel. +41 31 970 09 09 | Fax +41 31 970 09 10
 info@bierihydraulics.com | www.bierihydraulics.com

The information in this brochure relates to the operating conditions and applications described.

For applications and operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.