

# 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 <sup>2</sup> /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

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

