

# Pressure controlled shut-off valves type DSV and CDSV

These pressure controlled shut-off valves block the flow to consumers located down stream without any leakage as soon as the adjusted pressure is achieved or exceeded in the consumer port B. The valve will open the passage again if the pressure in port A drops under the set figure. A significant advantage of the screw-in valve type CDSV is the easily to manufacture mounting hole (see dimensions). It is frequently used to safe guard pressure gauges.



<b>Nomenclature:</b>	Shut-off valve
<b>Design:</b>	Individual valve for pipe connection Individual valve Manifold mounting Screw-in valve
<b>Adjustability:</b>	Tool adjustable Manually adjustable
<b><math>P_{max}</math>:</b>	600 bar
<b><math>Q_{max}</math>:</b>	60 lpm

## Basic types and general parameters

Basic type	CDSV 1	DSV 2 and DSVP 2 <sup>1)</sup>			Symbol
<b>Design</b>	Screw-in valve	Version for pipe connection or manifold mounting valve			<b>CDSV 1</b> <b>DSV 2</b>
<b>Size</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>DSVP 2</b>
<b>Flow</b>	10	20	40	60	
<b><math>Q_{max}</math> (lpm)</b>					
<b>Pressure range:</b>	C: 120	D: 40	D: 20	D: 20	
<b>Pressure <math>p_{max}</math> (bar)</b>	B: 350 A: 600	C: 100 B: 220 A: 600	C: 60 B: 120 A: 400	C: 60 B: 120 A: 400	
<b>Tapped ports</b>	M 16 x 1.5	G 1/4 (BSPP)	G 3/8 (BSPP)	G 1/2 (BSPP)	

<sup>1)</sup> Manifold mounting valve only in size 1

## Additional versions

- Manually adjustable pressure setting
- Type CDSV also available with connection block for pipe connection

## Order examples

### CDSV 1 A - 550

Shut-off valve (screw-in valve) type CDSV, pressure range 20 ... 600 bar (coding A), pressure factory set to 550 bar

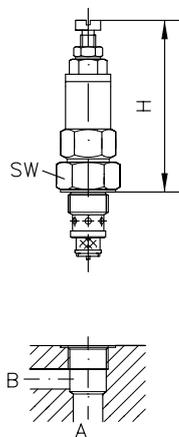
### DSV 2 - 2 BR

Shut-off valve (version for pipe connection), size 2, pressure range (0)...120 bar (coding B), manually adjustable pressure setting (coding R)

**Dimensions**

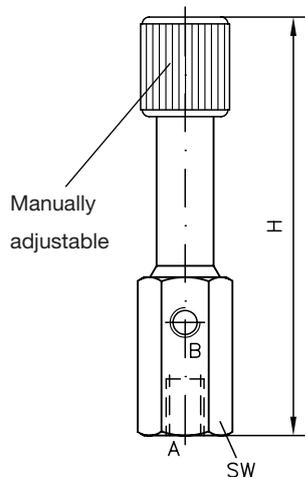
**Type CDSV 1**

(see order example)

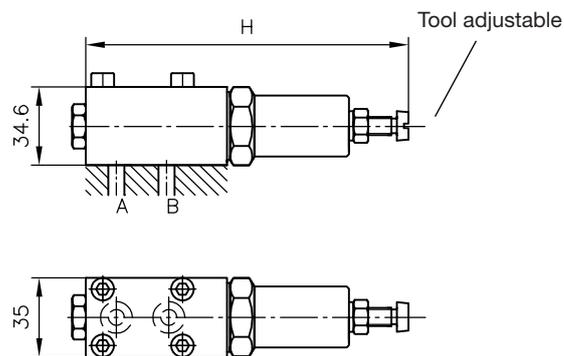


**Type DSV 2-2**

(see order example)



**Type DSVP 21-1**



All dimensions in mm, subject to change without notice!

$SW = a/f$

Basic type	H <sub>max</sub>	SW	m (kg)
CDSV 1	69	a/f 22	0.13
DSV 21-1	185	a/f 36	0.7
DSV 2-2	193	a/f 36	0.9
DSV 2-3	193	a/f 46	1.1
DSVP 21-1	181	–	1.1

**Additional information**

- Shut-off valves type DSV, DSVP
- type CDSV 1

D 3990  
D 7876

- See also section “Devices for special applications”  
(Screw-in valves and installation kits, Devices for up to 700 bar)

For page and section of the devices additionally listed,  
see type index