

BENCOR (Pty) Ltd.

Pressure valves



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.



Nomenclature:	Shut-off valve
Design:	Individual valve for pipe connection Individual valve, manifold mounting screw-in valve
Adjustability:	Tool adjustable Manually adjustable
p_{max}:	600 bar
Q_{max}:	60 l/min

Basic types and general parameters

Basic type	CDSV 1	DSV 2 and DSVP 2 1)			Symbol	
Design	screw-in valve	version for pipe connection or manifold mounting valve			CDSV 1 DSV 2	DSVP 2
Size	1	1	2	3		
Flow	10	20	40	60		
Q_{max} (l/min)						
Pressure range:	C: 120	D: 40	D: 20	D: 20		
Pressure p_{max} (bar)	B: 350 A: 600	C: 100 B: 220 A: 600	C: 60 B: 120 A: 400	C: 60 B: 120 A: 400		
Tapped ports	M 16 x 1,5	G 1/4	G 3/8	G 1/2		

1) 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)