

BENCOR (Pty) Ltd.

Pressure valves



Pressure limiting valves type CMV and CSV

Pressure valves govern the pressure within a hydraulic system. The types listed below are intended for the following purposes:

- **Pressure limiting valve (safety valve):** Safeguarding the system against excessive pressure or for the limitation of working pressure.
- **Sequence valves:** generating a constant pressure difference between inlet and outlet of the flow. The flow in opposite direction (reflow) is unhindered via a by-pass check valve.

A significant advantage of these valves is their easily to manufacture mounting hole (see dimensions).



Type CMV is also available as a pressure limiting valve with type approval (TÜV), e.g. required for safety valves for accumulators.

Nomenclature: Pressure limiting valve, differential pressure regulators (directly controlled)

Design: Screw-in valve

Adjustability: Tool adjustable
Manually adjustable

p_{max} : 500 bar

Q_{max} : 60 l/min

Basic types and general parameters

Basic type	CMV	CSV	Symbol	
Function	pressure limiting valve (port R pressure resistant)	sequence valves with by-pass check valve		
Pressure range:	F: 80	F: 80		
Pressure p_{max} (bar)	E: 160 C: 315 B: 500	E: 160 C: 315		
Flow				
Q_{max} (l/min)				
size 1	20	-		
size 2	40	40		
size 3	60	60		

Additional versions

- Connection blocks for pipe connection also available

- Version with type approval (TÜV) type CMVX, (see also "Additional information")

Order examples

CMV 2 CR - 200

Pressure limiting valve type CMV, size 2, pressure range C (0 to 315 bar), manually adjustable (coding R), adjusted to 200 bar,

CSV 3F - 60

sequence valve type CSV, size 3, pressure range F (0 ... 80 bar), tool adjustable (no coding), adjusted to 60 bar