CMP10... DIRECT OPERATION
MAXIMUM PRESSURE VALVES



CMP10...

The direct acting relief valve limits the pressure in a hydraulic circuit.
It raises the safety level by making it impossible for the plant operators to set a higher pressure rating, than that specified in the catalogue. This is limited by a pack spring with a mechanical stop, which prevents temporary P closures caused by pressure peaks.
It has a galvanised steel body. The guided ball poppet is in tempered and ground steel.

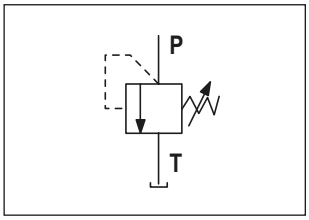
Max. operating pressure		320 bar
Setting ranges:	Spring 0	max. 15 bar
	Spring 1	max. 50 bar
	Spring 2	max. 150 bar
	Spring 3	max. 320 bar
Max. flow		40 l/min
Hydraulic fluids		Mineral oils DIN 51524
Fluid viscosity		10 ÷ 500 mm²/s
Fluid temperature		-25°C ÷ 75°C
Ambient temperature		-25°C ÷ 60°C
Max. contamination level		class 10 in accordance with NAS 1638 with filter $ß_{25}≥75$
Weight		0,2 Kg
Tightening torque		60 ÷ 70 Nm (6 ÷ 7 Kgm)

• The minimum permissible setting pressure depending on the screw: see curves below

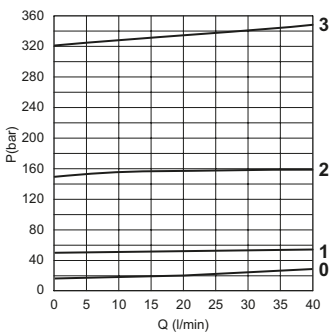
ORDERING CODE

CMP	Max. pressure cartridge
10	Size (M24 x 2)
*	Type of adjustment **M** = Plastic knob **C** = Grub screw **V** = Handwheel
*	Setting ranges **0** = max. 15 bar **(orange spring)** **1** = max. 50 bar **(white spring)** **2** = max. 150 bar **(yellow spring)** **3** = max. 320 bar **(green spring)**
**	**00** = No variant **V1** = FKM
2	Serial No.

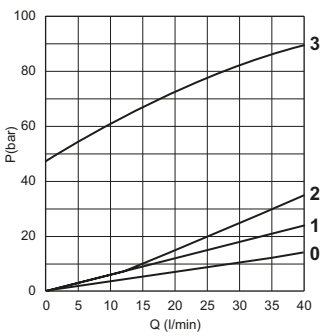
HYDRAULIC SYMBOL



PRESSURE-FLOW RATE



MIN.SETTING PRESSURE



0 = CMP100.. - **1** = CMP101.. - **2** = CMP102.. - **3** = CMP103..
Fluid used: mineral based oil with viscosity 32 mm²/s at 40°C.

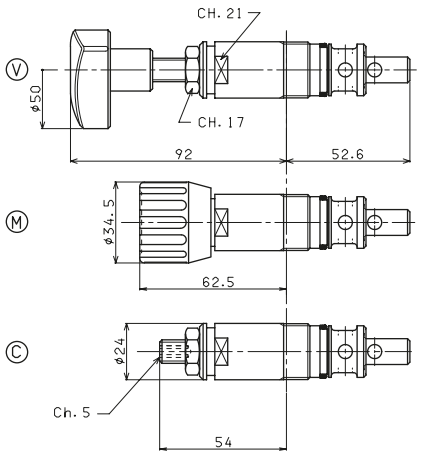
OVERALL DIMENSIONS

Type of adjustment

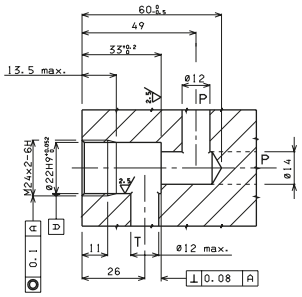
M Plastic knob

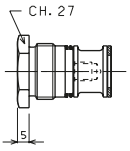
C Grub screw

V Handwheel



SEAT DIMENSIONS





00012008	Spare seals kit

Valve seat plug code **R78300564**