# CVS.20... CARTRIDGE SEQUENCING VALVES

CVS.20...

The sequence valve are used to assure that a secondary circuit is pressurized when the setting pressure at valve is reached.
These valves grant a minimum variation of the setting pressure with a changing flow from or up to 90 l/min (see diagram).
Three spring types allow adjustment within the range 7 ÷ 250 bar. Manual adjustment is available by a grub screw or plastic knob.

| | | |
|---|---|---|
| Max. operating pressure | | 350 bar |
| Setting ranges: | Spring 1 | max. 60 bar |
| | Spring 2 | max. 120 bar |
| | Spring 3 | max. 250 bar |
| Max. flow | | 90 l/min |
| Draining on port T | | 0,5 ÷ 0,7 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 $\beta_{25} \geq 75$ |
| Weight | | 0,25 Kg |
| Tightening torque | | 30 ÷ 40 Nm (3 ÷ 4 Kgm) |

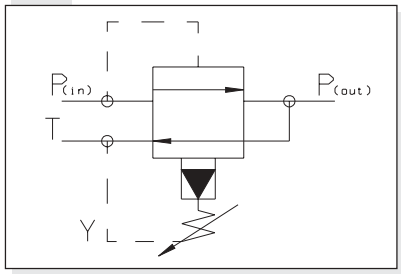
## ORDERING CODE

| | |
|---|---|
| CVS | Cartridge sequencing valve |
| 20 | Size |
| * | Adjustment:<br>**M** = Plastic knob<br>**C** = Grub screw |
| * | Setting ranges<br>**1** = max. 60 bar **(white spring)**<br>**2** = max. 120 bar **(yellow spring)**<br>**3** = max. 250 bar **(green spring)** |
| ** | **00** = No variant<br>**V1** = Viton |
| 1 | Serial No |

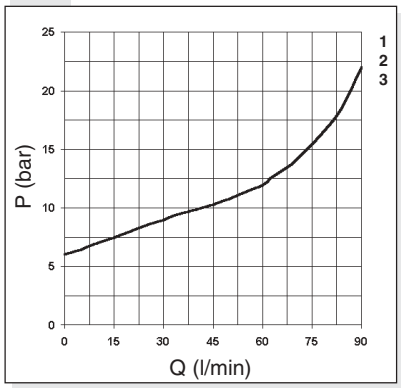
The fluid used is a mineral oil with a viscosity of 46 mm²/s at 40°C. The tests have been carried out a fluid temperature of 50°C.

**Curves n° 1 - 2 - 3** = Setting ranges

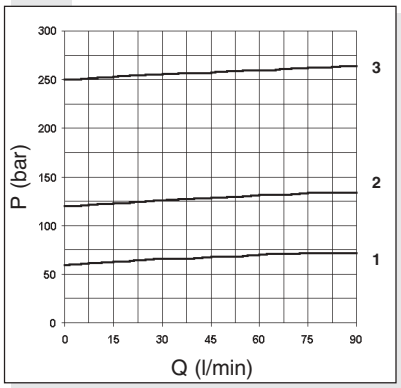
## HYDRAULIC SYMBOL



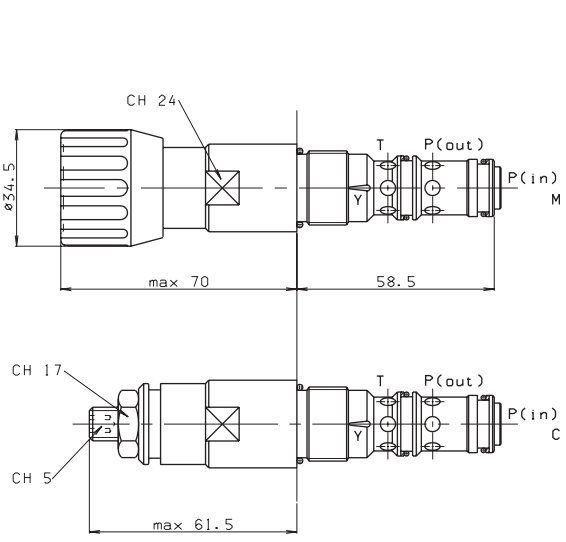

## MINIMUM SETTING PRESSURE

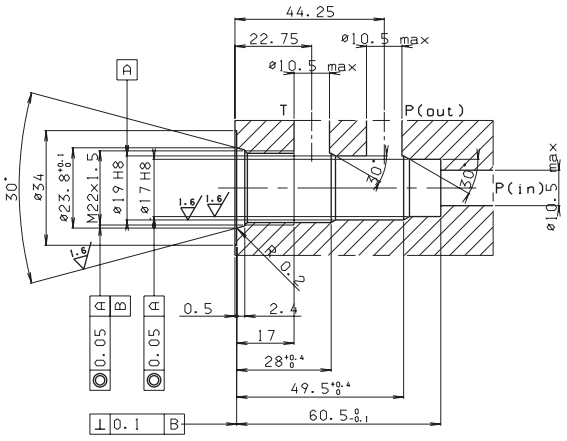



## PRESSURE - FLOW RATE




## OVERALL DIMENSIONS




Type of adjustment

**M** Plastic knob

**C** Grub screw

**SEAT DIMENSION**