



# PCK06

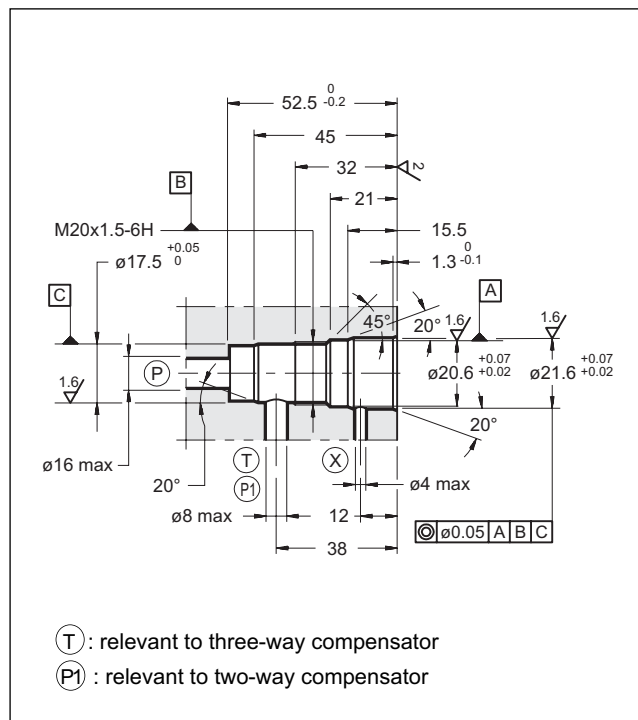
## TWO- AND THREE-WAY PRESSURE COMPENSATOR WITH FIXED OR VARIABLE ADJUSTMENT SERIES 10

### CARTRIDGE TYPE

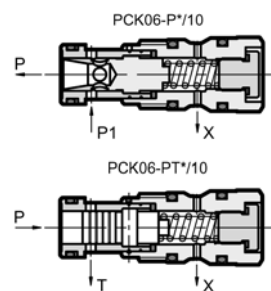
**p** max **350** bar

**Q** max **40** l/min

### SEAT DIMENSIONS D-10D



### OPERATING PRINCIPLE

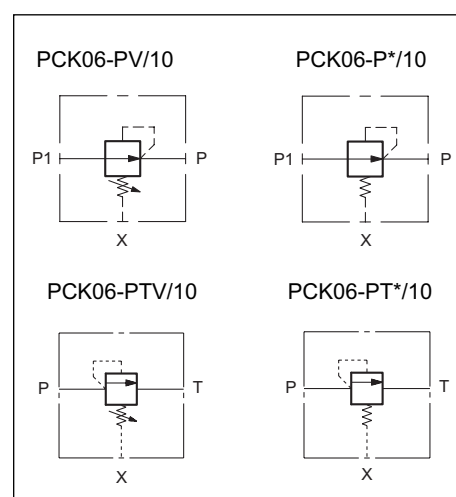


- The PCK06 valve is a two or three-way pressure compensator, cartridge type, for block or manifold application.
- It keeps the pressure drop (characteristic  $\Delta p$ ) between the P and the X pilot connections, at a constant level.
- It is normally used together with proportional directional valves, in order to control the flow rate independently of the pressure variations.
- The setting of the variable adjustment compensator can be varied from 7 to 33 bar; adjustment can be operated either via a countersunk hex adjustment screw, or via an adjustment knob.
- The fixed adjustment version can be supplied with a characteristic  $\Delta p$  setting of either 4 or 8 bar.

### PERFORMANCES (working with mineral oil of viscosity of 36 cSt a 50°C)

Maximum operating pressure	bar	350
Characteristic $\Delta p$ : fixed adjustment variable adjustment	bar	4 - 8 7 ÷ 33
Maximum flow rate	l/min	40
Ambient temperature range	°C	-20 / +50
Fluid temperature range	°C	-20 / +80
Fluid viscosity range	cSt	10 ÷ 400
Fluid contamination degree	According to ISO 4406:1999 class 20/18/15	
Recommended viscosity	cSt	25
Mass:	kg	0,2
Surface treatment : electrolytic zinc covering	Fe // Zn 8 // B EN 12329	

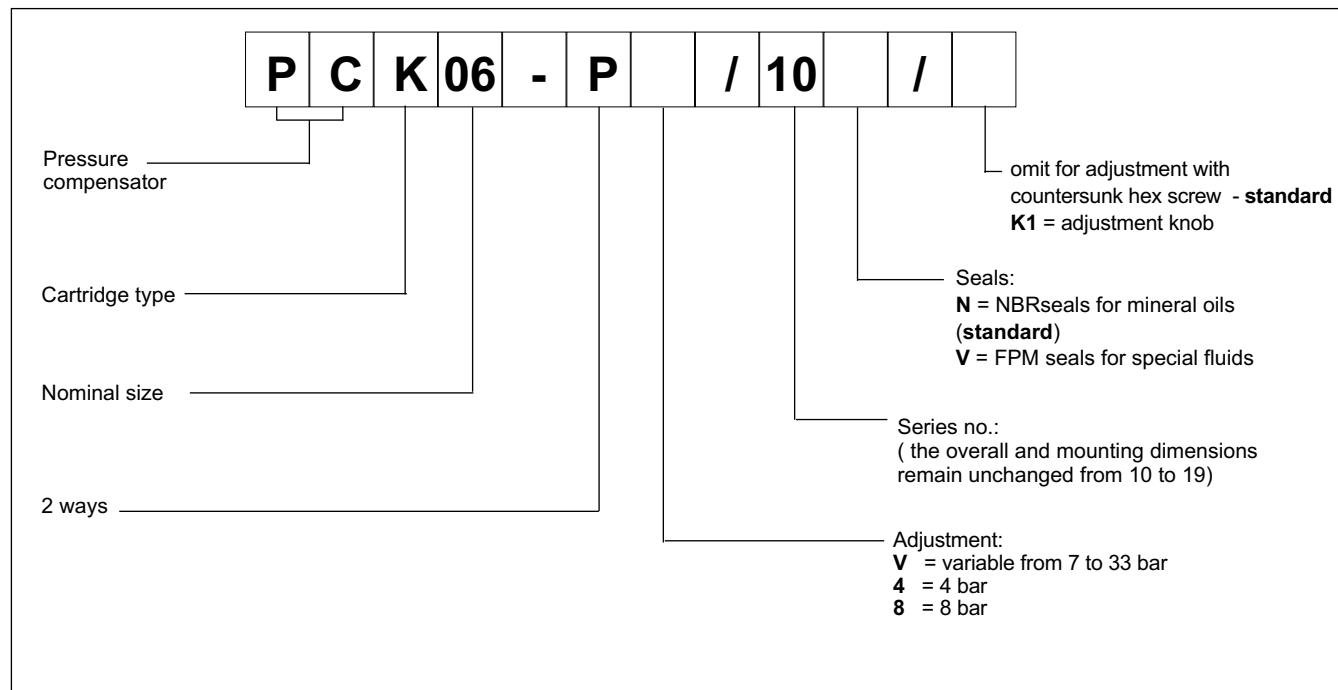
### HYDRAULIC SYMBOLS



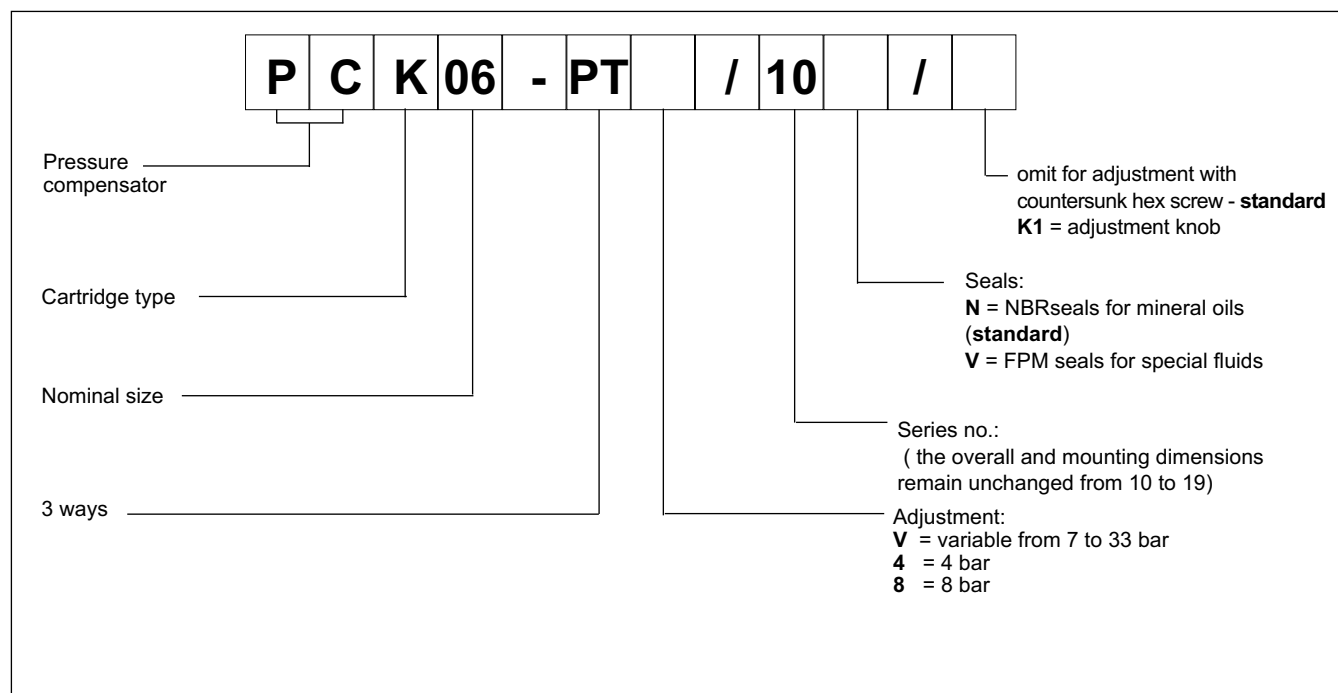


## 1 - IDENTIFICATION CODE

### 1.1 - Two-way compensator identification code



### 1.2 - Three-way compensator identification code

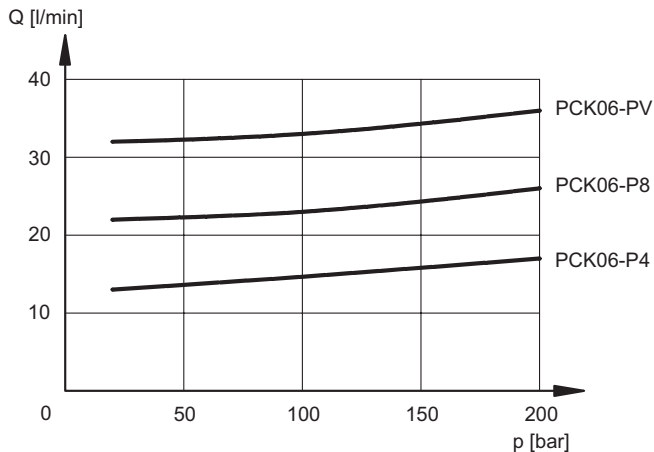




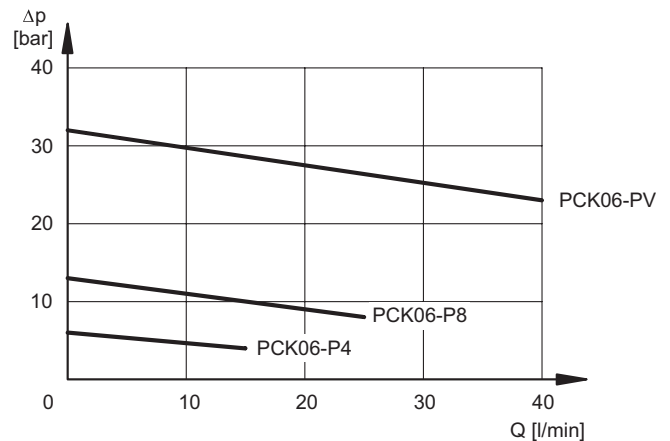
## 2 - CHARACTERISTIC CURVES (values obtained with viscosity of 36 cSt at 50°C)

### 2.1 - Two-way compensator characteristic curves

FLOW RATE - PRESSURE  $Q = f(p)$

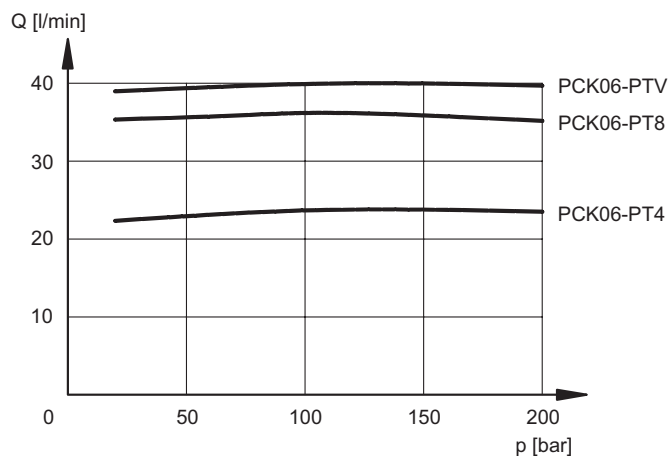


PRESSURE DROPS  $\Delta p = f(Q)$

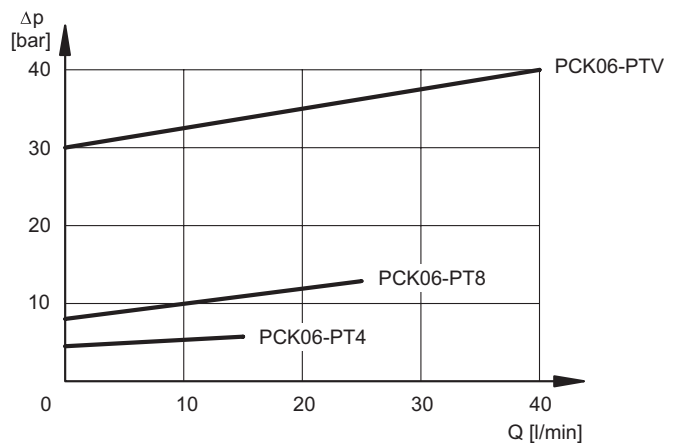


### 2.2 - Three-way compensator characteristic curves

FLOW RATE - PRESSURE  $Q = f(p)$



PRESSURE DROPS  $\Delta p = f(Q)$



## 3 - HYDRAULIC FLUIDS

Use mineral oil-based hydraulic fluids HL or HM type, according to ISO 6743-4. For these fluids, use NBR seals (code N). For fluids HFDR type (phosphate esters) use FPM seals (code V). For the use of other kinds of fluid such as HFA, HFB, HFC, please consult our technical department. Using fluids at temperatures higher than 80 °C causes a faster degradation of the fluid and of the seals characteristics. The fluid must be preserved in its physical and chemical characteristics.

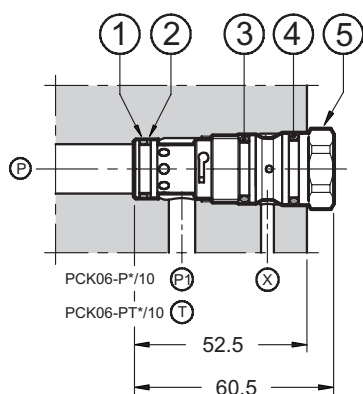


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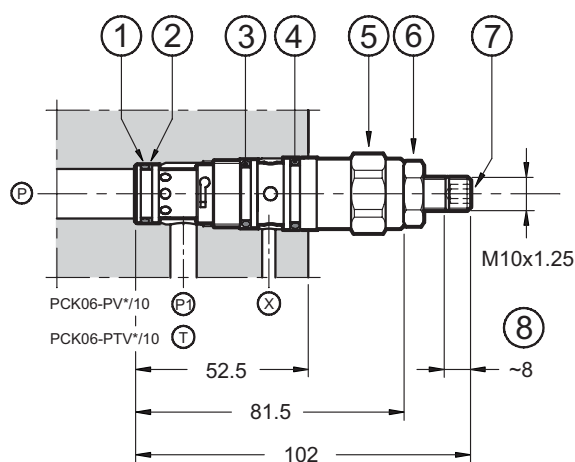
SERIES 10

## 4 -OVERALL AND MOUNTING DIMENSIONS

**PCK06-P\*/10**  
**PCK06-PT\*/10**

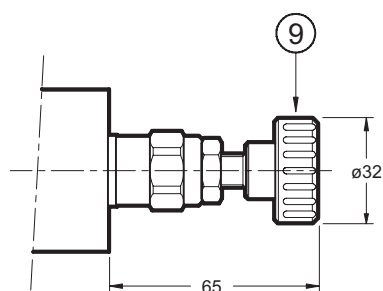


**PCK06-PV/10**  
**PCK06-PTV/10**



dimensions in mm

**PCK06-PV/10\*/K1**  
**PCK06-PTV/10\*/K1**



1	OR type 2056 (14.00x1.78) 90 Shore
2	Parbak 8-015 (14.81x1.14x1.35)
3	OR type 3062 (15.54x2.62) 90 Shore
4	OR type 3062 (15.54x2.62) 90 Shore
5	Hexagonal: spanner 22 Tightening torque 45 ÷ 50 Nm
6	Locking nut: spanner 17
7	Countersunk hex adjustment screw: spanner 5 Clockwise rotation to increase pressure
8	Maximum screw stroke
9	Adjustment knob: <b>M1</b>