

MOUNTING INTERFACE


## APPLICATION EXAMPLES

Two-way compensator with fixed adjustment, combined with a proportional valve type DSE3-A*


PERFORMANCES (working with mineral oil of viscosity of 36 cSt at $50^{\circ} \mathrm{C}$ )

| Max operating pressure | bar | 350 |
| :--- | :---: | :---: |
| Characteristic $\Delta p$ : fixed adjustment <br> variable adjustment | bar | $4-8$ <br> $7 \div 33$ |
| Max flow rate | $\mathrm{I} / \mathrm{min}$ | 40 |
| Ambient temperature range | ${ }^{\circ} \mathrm{C}$ | $-20 /+50$ |
| Fluid temperature range | ${ }^{\circ} \mathrm{C}$ | $-20 /+80$ |
| Fluid viscosity range | cSt | $10 \div 400$ |
| Fluid contamination degree | According to ISO 4406:1999 |  |
| Recommended viscosity | cSt |  |
| Mass | kg |  |
|  |  | 25 |

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 $50^{\circ} \mathrm{C}$ )

## 2.1-Two-way compensator characteristic curves

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


2.2 - Three-way compensator characteristic curves

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


PRESSURE DROPS $\Delta \mathrm{p}=\mathrm{f}(\mathrm{Q})$


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


## 3 - HYDRAULIC FLUIDS

Use mineral oil-based hydraulic fluids HL or HM type, according to ISO 6743-4. With this kind of fluids, use NBR seals type. With fluids HFDR type (phosphate esters) use FPM seals (code V).
Using other fluid types such as HFA, HFB, HFC, please consult our technical department.
Using fluids at temperatures higher than $80^{\circ} \mathrm{C}$ causes a faster degradation of the fluid itself and of the seals characteristics.
The fluid must be preserved in its physical and chemical characteristics.

## 4 - OVERALL AND MOUNTING DIMENSIONS

PCM3-P*/10
PCM3-PT*/10


PCM3-PV/10*/K1
PCM3-PTV/10*/K1


PCM3-PV/10
PCM3-PTV/10

dimensions in mm

| 1 | Mounting surface with sealing rings: <br> 4 OR type 2037 $-(9.25 \times 1.78)$ <br> 90 shore |
| :---: | :--- |
| 2 | Locking nut: spanner 17 |
| 3 | Countersunk hex adjustment screw: <br> spanner 5 <br> Clockwise rotation to increase <br> pressure |
| 4 | Adjustment knob: K1 |

