61 220/107 ED

DUPLOMATIC HYDRAULICS


## MOUNTING INTERFACE



CONFIGURATIONS (see Hydraulic symbols table)

- "SP": controls the pressure on line P with discharge in T .
- "SAT": controls the pressure on line A with discharge in T.
- "SBT": controls the pressure on line $B$ with discharge in $T$.
- "DT": controls the pressure on lines A-B with discharge in T.
- " D ": controls the pressure on lines $A-B$ with crossed discharges.
- "SB": controls the pressure on line B with discharge in A.

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

| Maximum operating pressure | bar | 350 |
| :---: | :---: | :---: |
| Minimum controlled pressure | see $\Delta \mathrm{p}$ diagram. |  |
| Maximum flow rate in controlled lines and in the free lines | 1/min | 75 |
| 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 class 20/18/15 |  |
| Recommended viscosity | cSt | 25 |
| ```Mass: MRQ-SP / MRQ-SAT / MRQ-SBT / MRQ-SB MRQ-DT / MRQ-D``` | kg | $\begin{aligned} & 1,4 \\ & 2,1 \end{aligned}$ |

## HYDRAULIC SYMBOLS



MRQ
SERIES 51

1 - IDENTIFICATION CODE


2 - CHARACTERISTIC CURVES (values obtained with viscosity of 36 cSt at $50^{\circ} \mathrm{C}$ )



## 3 - HYDRAULIC FLUIDS

Use mineral oil-based hydraulic fluids HL or HM type, according to ISO 6743-4. For these fluids, use NBR seals. 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 $80^{\circ} \mathrm{C}$ causes a faster degradation of the fluid and of the seals characteristics.
The fluid must be preserved in its physical and chemical characteristics.

## 4 - OVERALL AND MOUNTING DIMENSIONS

dimensions in mm

(3)

(4)



| 1 | Locking nut: spanner 19 |
| :---: | :--- |
| 2 | Countersunk hex adjustment screw: <br> spanner 5 <br> Rotate clockwise to increase <br> pressure |
| 3 | Mounting surface with sealing rings: <br> 4 OR type 2037 (9.25x1.78) 90 Shore |
| 4 | Adjustment knob: M1 |

## DUPLOMATIC OLEODINAMICA SpA

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