

# **MVPP**

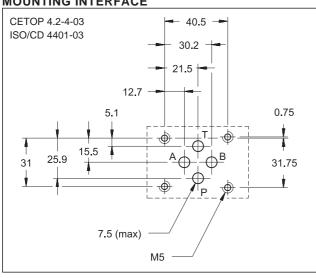
**PILOT OPERATED CHECK VALVE SERIES 50** 

## **MODULAR VERSION** CETOP 03

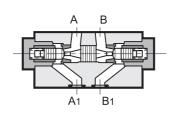
p max 350 bar

**Q** max (see performance ratings table)

#### **MOUNTING INTERFACE**



#### **OPERATING PRINCIPLE**



- This is a hydraulic ally released check valve with spring closing and cone on edge seals. The mounting surface is according to the CETOP and ISO standards.
- Its use allows:
  - prevention of flow in one direction;
  - flow in the same direction, if opened by a pilot pressure;
  - free flow in the other direction.
- The MVPP valves are always mounted downstream of the MD1D directional solenoid valves (see catalogue 41 200) and can be assembled with all other CETOP 03 valves.

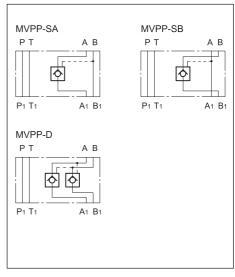
#### **CONFIGURATIONS** (see Hydraulic symbols table)

- Configurations "SA" "SB": are used to lock the actuator in one direction.
- Configuration "D": is used to lock the position of the actuator in both directions.

## PERFORMANCE RATINGS (measured with mineral oil of viscosity 36cSt at 50°C)

Maximum operating pressure	bar	350
Maximum flow rate in the controlled lines Maximum flow rate in the free lines	l/min l/min	50 75
Ratio between the pressure in the locked chambers and the piloting pressure		3,4 : 1
Check valve cracking pressure	bar	3
Ambient temperature range	°C	−20 ÷ +50
Fluid temperature range	°C	−20 ÷ +70
Fluid viscosity range	cSt	2,8 ÷ 380
Recommended filtration	µm absolute	≤ 25
Recommended viscosity	cSt	25
Mass	kg	1,3

#### **HYDRAULIC SYMBOLS**

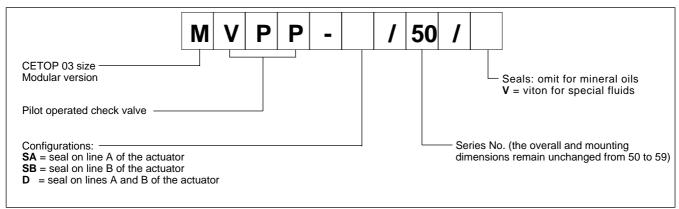


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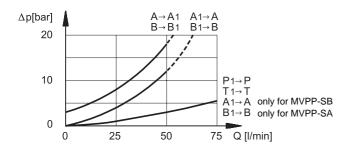




#### 1 - IDENTIFICATION CODE



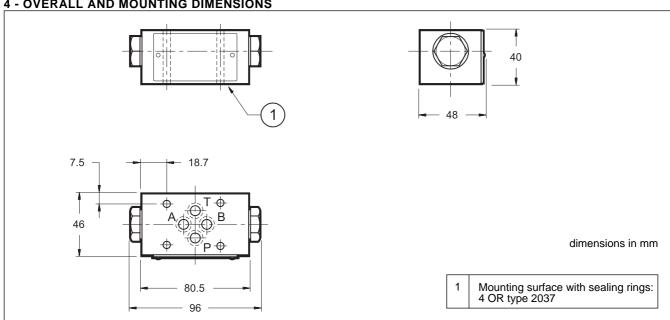
#### 2 - CHARACTERISTIC CURVES (values obtained with viscosity of 36 cSt at 50°C)



### 3 - HYDRAULIC FLUIDS

Use mineral oil-based hydraulic fluids, with the addition of suitable anti-frothing and anti-oxidizing agents. For the use of other types (water glycol, phosphate esters and others), please consult our technical department.

#### 4 - OVERALL AND MOUNTING DIMENSIONS





## **DUPLOMATIC OLEODINAMICA SpA**

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