



**DIPLOMATIC**  
HYDRAULICS

64 410/102 ED

# QTM7

## FLOW RESTRICTOR VALVE SERIES 10



### MODULAR VERSION

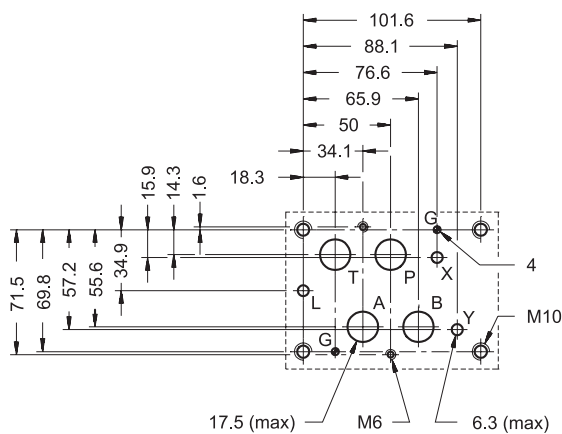
### CETOP 07

p max **350** bar

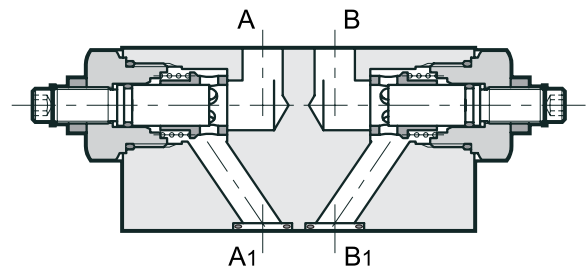
Q max **250** l/min

### MOUNTING INTERFACE

CETOP 4.2-4-07



### OPERATING PRINCIPLE



- This is a flow restrictor valve with built in check valve for reverse free flow, made as a modular version with mounting surface according to the CETOP and ISO standards.
- It can be assembled quickly under all CETOP 07 modular valves without use of pipes, using suitable tie-rods or bolts, thus forming compact modular groups.
- It is supplied with countersunk hex adjustment screw and locking nut.  
Rotate anticlockwise to increase the flow rate.

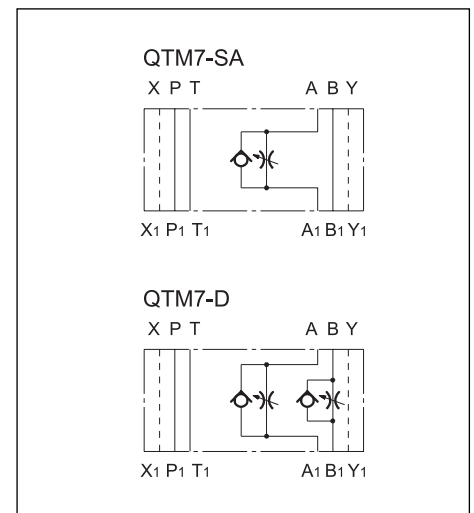
### CONFIGURATIONS (see Hydraulic symbols table)

- Configuration "SA": control of the flow exiting from the actuator on line A.
- Configuration "D": independent control of the flow exiting from the chambers A and B of the actuator.
- All configurations have a built in check valve that allows reverse free flow (cracking pressure of 0,7 bar).

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

Maximum operating pressure	bar	350
Maximum flow rate	l/min	250
Leakage flow with closed restrictor	l/min	≤ 0,5
Direct check valve opening pressure	bar	0,7
Ambient temperature range	°C	-20 ÷ +50
Fluid temperature range	°C	-20 ÷ +80
Fluid viscosity range	cSt	10 ÷ 400
Recommended viscosity	cSt	25
Fluid contamination degree	According to NAS 1638 class 10	
Mass: QTM7-SA	kg	7,35
QTM7-D	kg	7,7

### HYDRAULIC SYMBOLS

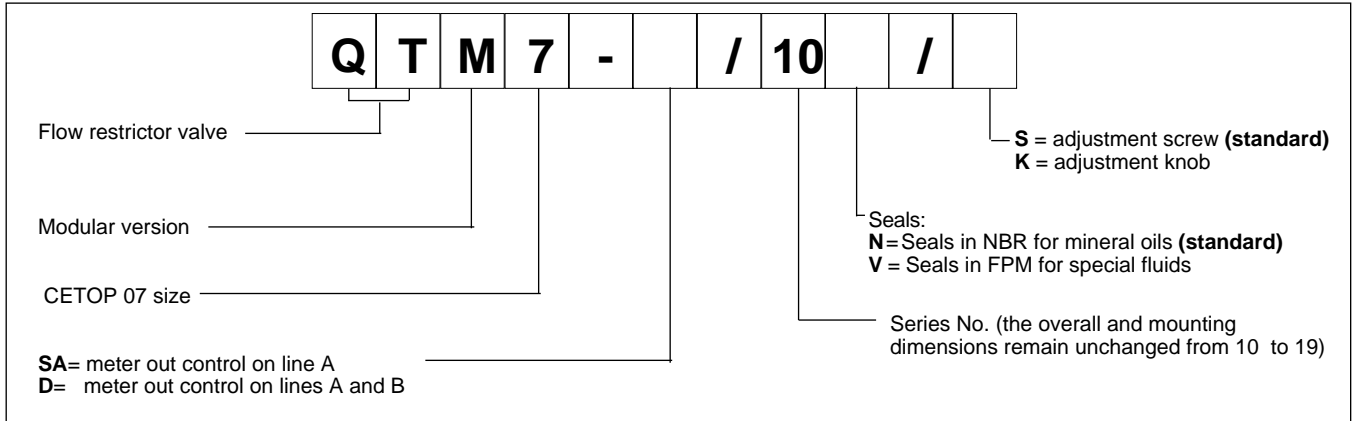




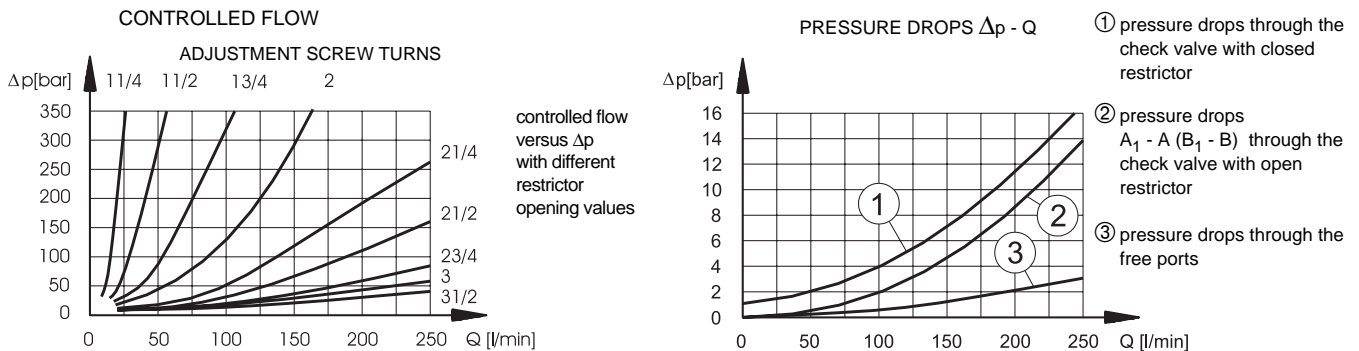
# QTM7

## SERIES 10

### 1 - IDENTIFICATION CODE



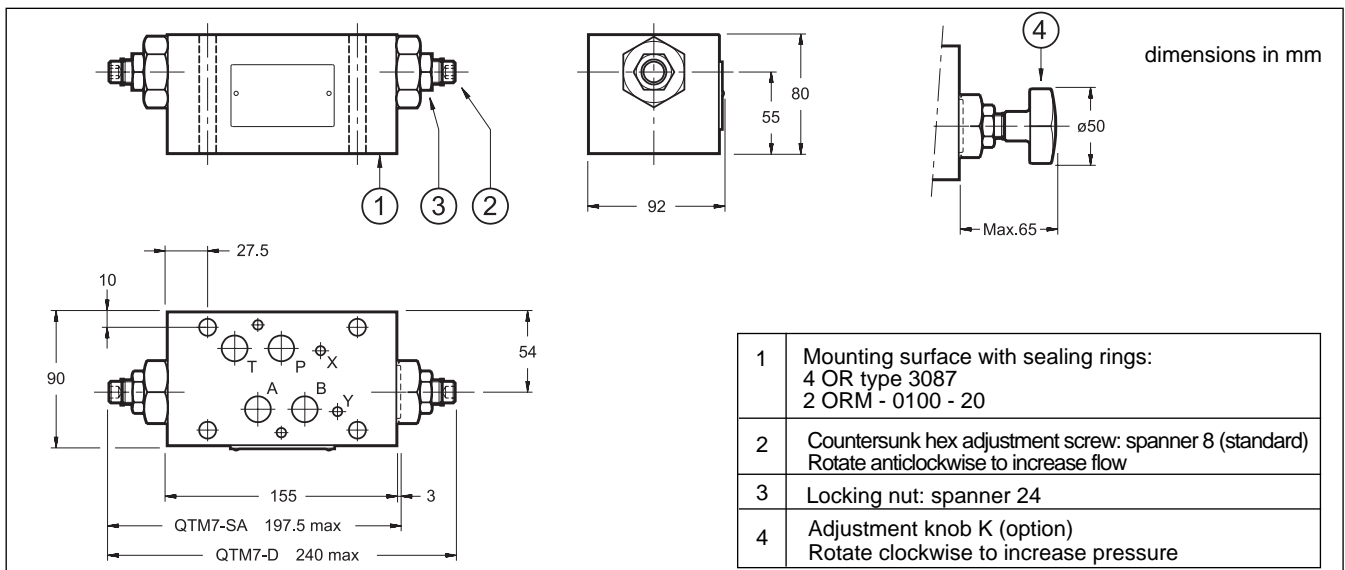
### 2 - CHARACTERISTIC CURVES (values obtained with viscosity of 36 cSt at 50°C)



### 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



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