



**DIPLOMATIC**  
HYDRAULICS

65 210/104 ED



# MVR-RS/P

## DIRECT CHECK VALVE WITH FLOW RESTRICTOR

### SERIES 50

**MODULAR VERSION**

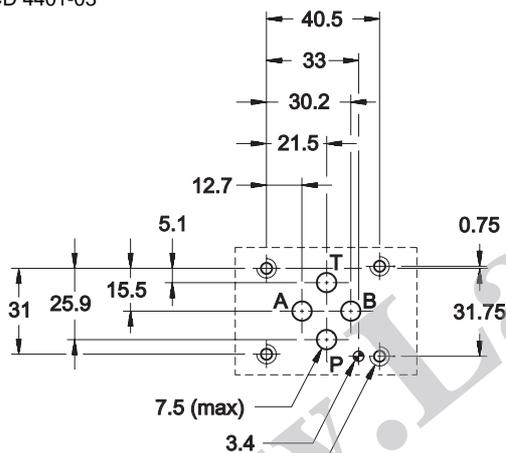
**CETOP 03**

**p max 350 bar**

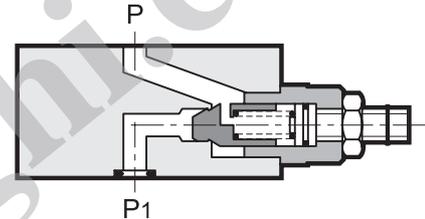
**Q max (see performance ratings table)**

#### MOUNTING INTERFACE

CETOP 4.2-4-03-350  
ISO/CD 4401-03



#### OPERATING PRINCIPLE

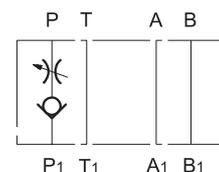


- The MVR-RS/P valve is a check valve that incorporates also the function of flow restriction.
- It is made as a modular version with mounting surface according to the CETOP 03 and ISO standards.
- It can be assembled quickly under the CETOP 03 directional solenoid valves and with all CETOP 03 modular valves without use of pipes, using suitable tie-rods or bolts.
- It is used in cases where it is necessary to control the flow in one direction and to avoid return flow or the spontaneous emptying of lines in the opposite direction.
- Control of the flow is obtained with a countersunk hex screw with locking nut.

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

Maximum operating pressure	bar	350
Check valve cracking pressure	bar	1
Maximum flow rate in the controlled lines	l/min	50
Maximum flow rate in the free lines	l/min	75
Ambient temperature range	°C	-20 ÷ +50
Fluid temperature range	°C	-20 ÷ +80
Fluid viscosity range	cSt	10 ÷ 400
Recommended viscosity	cSt	25
Degree of fluid contamination	According to NAS 1638 class 10	
Mass	kg	1,1

#### HYDRAULIC SYMBOL

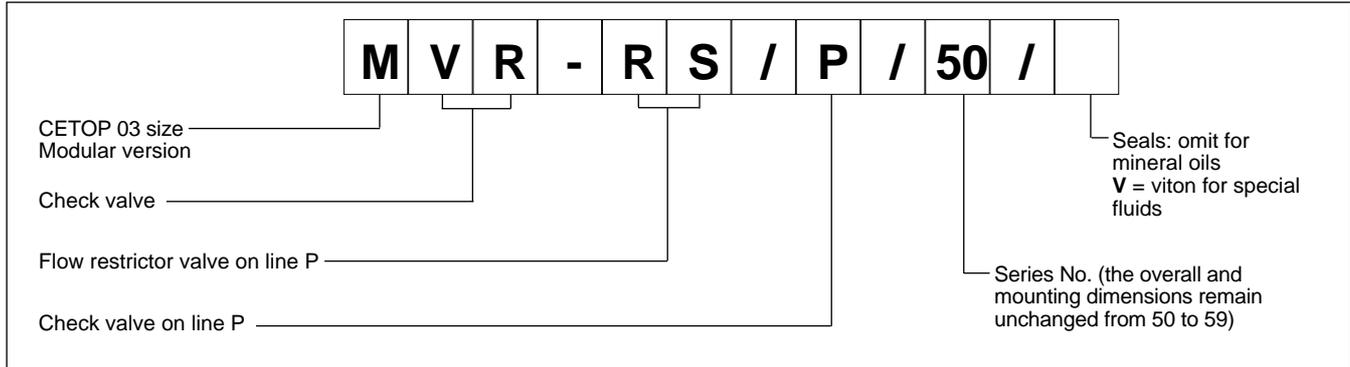




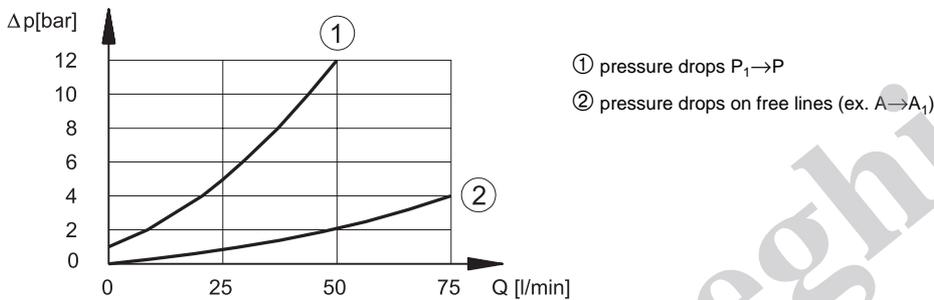
# MVR-RS/P

## SERIES 50

### 1 - IDENTIFICATION CODE



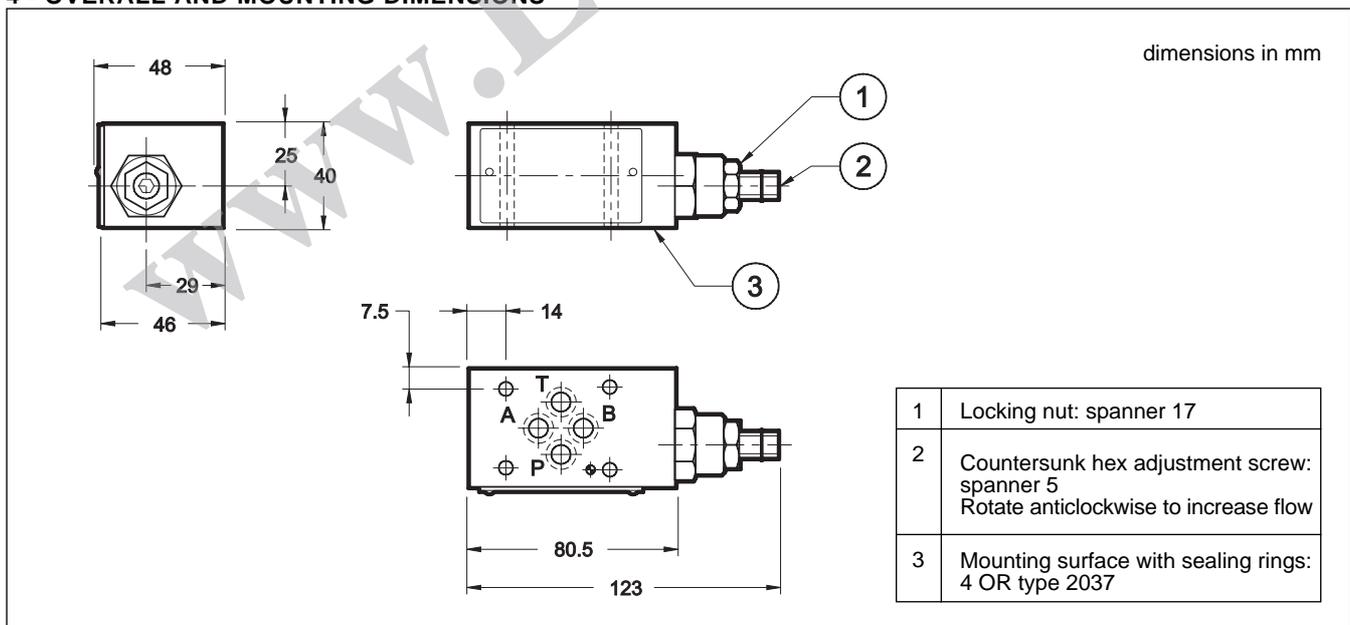
### 2 - CHARACTERISTIC CURVES (values obtained with viscosity of 36 cSt at 50°C)



### 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



**DIPLOMATIC OLEODINAMICA SpA**  
 20025 LEGNANO (MI) - P.le Bozzi, 1 / Via Edison  
 Tel. 0331/472111 - Fax 0331/548328