



## RQM\*-P

### SOLENOID OPERATED PRESSURE RELIEF VALVES WITH UNLOADING AND PRESSURE SELECTION SERIES 60

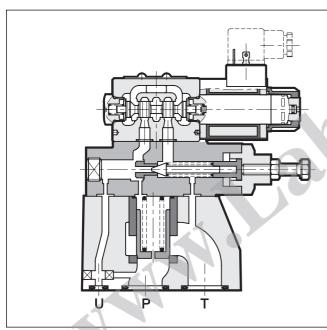
#### **SUBPLATE MOUNTING:**

RQM3-P CETOP R06

RQM5-P CETOP R08

RQM7-P CETOP R10

#### **OPERATING PRINCIPLE**



- The RQM\*-P valves are pressure relief valves available in three nominal sizes for flow up to 500 l/min.
- They are available in CETOP subplate mounting version.
- Available in five versions that allow, by means of a solenoid valve, unloading of the total flow and selection up to three pressure values (see table 2 Versions).
- The adjustment of the second and third pressure values is obtained by a pressure relief valve placed between the main stage and the solenoid valve.
- It is normally supplied with a hexagonal head adjustment screw. Upon request, it can be equipped with a SICBLOC adjustment knob on the main pressure control.

| PERFORMANCE RATINGS (measured with mineral oil of viscosity 36 cSt at 50°C) |                                | RQM3-P    | RQM5-P | RQM7-P |
|---|--------------------------------|-----------|--------|--------|
| Maximum operating pressure  | bar                            | 350       |        |        |
| Maximum flow rate   | l/min                          | 200       | 400    | 500    |
| Ambient temperature range   | °C                             | −20 ÷ +50 |        |        |
| Fluid temperature range   | °C                             | −20 ÷ +70 |        |        |
| Fluid viscosity range   | cSt                            | 10 ÷ 400  |        |        |
| Recommended viscosity   | cSt                            | 25        |        |        |
| Degree of fluid contamination   | According to NAS 1638 class 10 |           |        |        |

NOTE: for the solenoid valve DS3 characteristics see catalogue 41 150

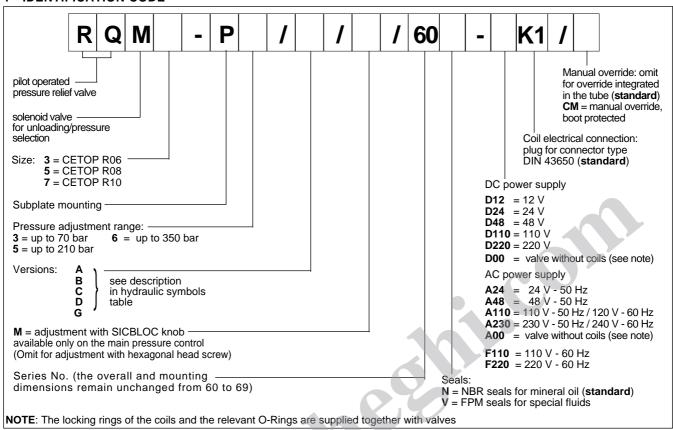
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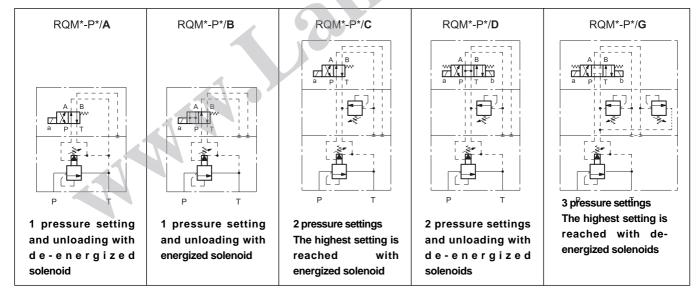
## RQM\*-P

**SERIES 60** 

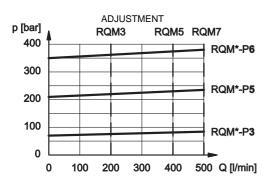
#### 1 - IDENTIFICATION CODE

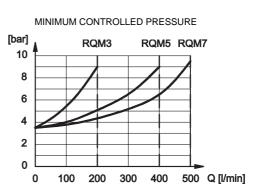


#### 2 - VERSIONS



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





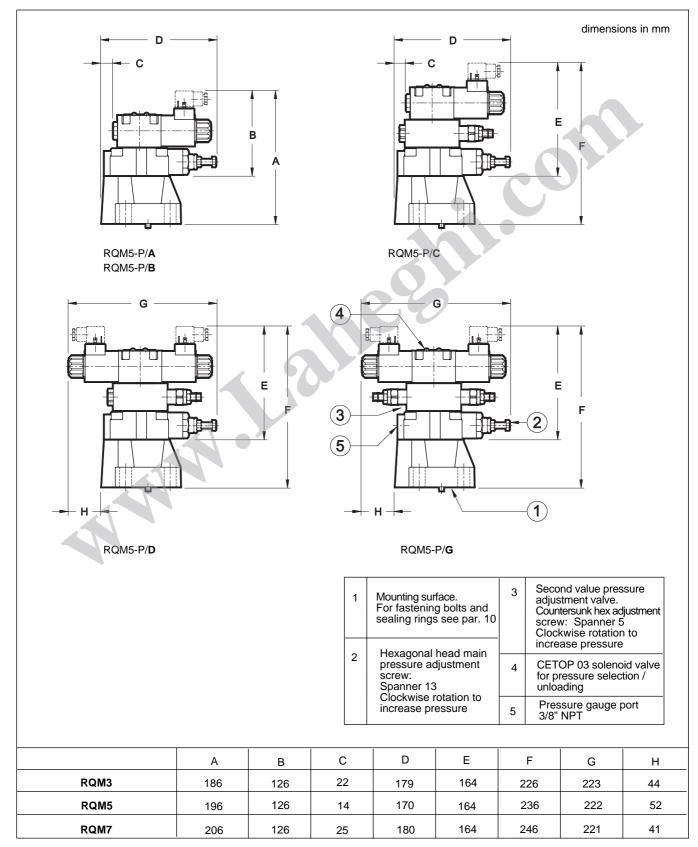
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#### 4 - HYDRAULIC FLUIDS

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.

#### 5 - OVERALL AND MOUNTING DIMENSIONS

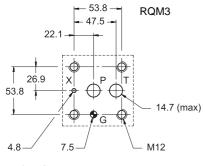


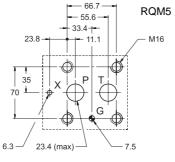
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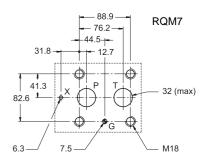


# ROM\*-P

#### 6 - MOUNTING INTERFACES





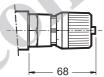


CETOP 4.4.2-2-R06-350 CETOP 4.4.2-2-R08-350

CETOP 4.4.2-2-R10-350

#### 7 - ADJUSTMENT KNOB

The RQ valves can be equipped with a SICBLOC adjustment knob, only on the main pressure regulation. To operate it, push and rotate at the same time. To request this option, add: /M (see par.1).



#### 8 - ELECTRIC CONNECTORS

The solenoid valves are never supplied with connector.

Connectors must be ordered separately.

For the identification of the connector type to be ordered, please see catalogue 49 000.

#### 9 - MANUAL OVERRIDE, BOOT PROTECTED: CM

Whenever the solenoid valve installation may involve exposure to atmospheric agents or utilization in tropical climates, use of the manual override, boot protected is recommended. Add the suffix **CM** to request this device (see par. 1). For overall dimensions see catalogue 41 150.

#### 10 -FASTENING BOLTS AND SEALING RINGS

|                     | RQM3-P                         | RQM5                            | RQM7                            |
|---------------------|--------------------------------|---------------------------------|---------------------------------|
| Fastening (4 bolts) | M12 x 40                       | M16 x 50                        | M18 x 60                        |
| Torque              | 69 Nm                          | 170 Nm                          | 235 Nm                          |
| Sealing rings       | 2 OR type 123<br>1 OR type 109 | 2 OR type 3118<br>1 OR type 109 | 2 OR type 4137<br>1 OR type 109 |

#### 11 - SUBPLATES (see catalogue 51 000)

|                    | RQM3-P                   | RQM5-P                   | RQM7-P                   |
|--------------------|--------------------------|--------------------------|--------------------------|
| Туре               | PMRQ3-AI4G<br>rear ports | PMRQ5-Al5G<br>rear ports | PMRQ7-AI7G<br>rear ports |
| PT port dimensions | 1/2" BSP                 | 3/4" BSP                 | 1" 1/4 BSP               |
| X port dimensions  | 1/4" BSP                 | 1/4" BSP                 | 1/4" BSP                 |



#### **DUPLOMATIC OLEODINAMICA SpA**

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