

# Oleodinamica Marchesini V0710/V180 VMP 1/2 relief valve - handknob

Manufacturer: Oleodinamica Marchesini  
Manufacturer part number / published order designation: V0710/V180  
Published model: V0710/V180

## About this compilation

Prepared by Hydmaster from selected manufacturer documentation. Original technical pages follow without cropped drawings, rewritten data or altered units. This cover and index are Hydmaster editorial material, not a manufacturer-issued exact-execution datasheet.

Coverage: selected pages relevant to the identified size and configuration. Other options or neighbouring models retained on an original page apply only where explicitly identified.

## Execution notes and conditions

Exact supplier order observed, not generated.

Range upperlimit is not actualpreset or a separate maxoperatingpressure.

Configuredmass not inferred forV/PP.

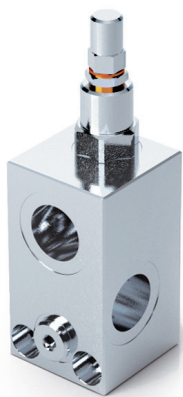
## Source-page index

Source page numbers below are physical pages of each complete original PDF. The original printed page labels and technical content remain unchanged. Compiled page numbers count this cover/index.

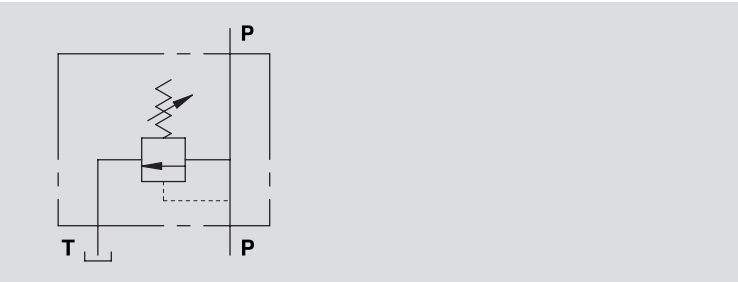
### Source A: Oleodinamica Marchesini VMP-1 technical datasheet

| Original pages | Compiled pages | Relevant content                                                                                           |
|----------------|----------------|------------------------------------------------------------------------------------------------------------|
| 1              | 2              | Exact factory article/reference, pressure range/control options, circuit and relevant cavity/body drawings |

VALVOLE DI MASSIMA PRESSIONE  
RELIEF VALVES



SCHEMA IDRAULICO  
HYDRAULIC DIAGRAM



**IMPIEGO:**  
Valvola utilizzata per limitare la pressione di un circuito idraulico ad un determinato valore di taratura. Al raggiungimento di tale valore la valvola si apre e scarica la pressione in modo che questa non salga oltre il valore di taratura.

**MATERIALI E CARATTERISTICHE:**  
Corpo: acciaio zincato.  
Componenti interni: acciaio temprato termicamente e rettificato.  
Guarnizioni: BUNA N standard.  
Tenuta: a cono guidato. Trafilamento trascurabile.

**MONTAGGIO:**  
Collegare il ramo del circuito in pressione a P e il ramo di scarico a T. L'attacco P è reversibile.

**A RICHIESTA**  
• molle per diversi campi di taratura (vedi tabella)  
• pressioni di taratura specifiche (CODICE/T000 specificando il valore di taratura)

PRESSIONE / PORTATA  
PRESSURE / FLOW

**USE AND OPERATION:**  
The relief valve limits the maximum pressure in a circuit to the valve's setting. When the circuit pressure reaches the setting, the valve opens and stops the circuit pressure going any higher.

**MATERIALS AND FEATURES:**  
Body: zinc-plated steel.  
Internal parts: hardened and ground steel.  
Seals: BUNA N standard.  
Leakage: Guided poppet - negligible leakage.

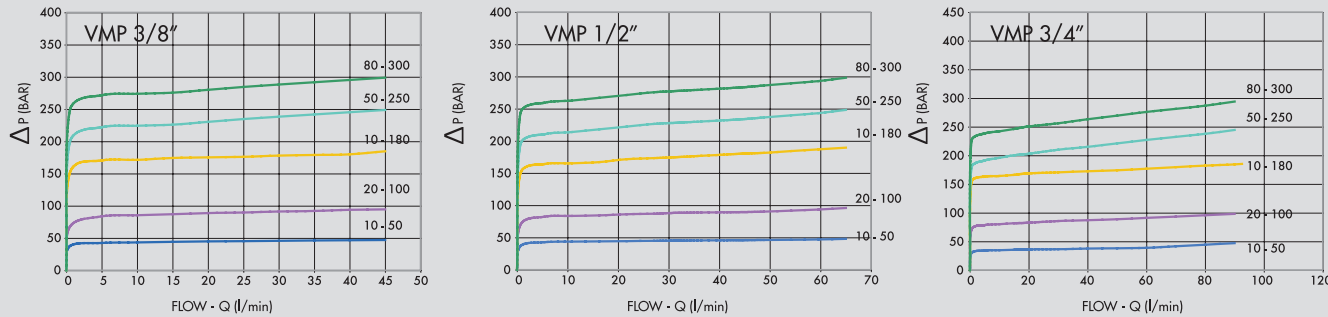
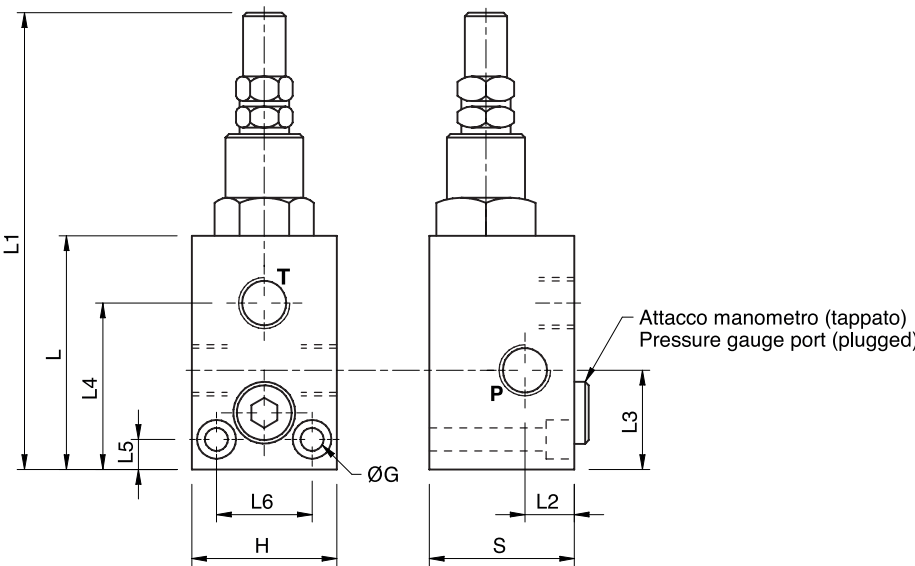
**CONNECTIONS:**  
Connect circuit port with pressure to P and tank port to T. Port P is reversible.

**ON REQUEST**  
• different setting range (see the table)  
• other setting available (CODE/T000 please specify the desired setting)

Temperatura olio: 50°C - Viscosità olio: 30 cSt  
Oil temperature: 50° C - Oil viscosity: 30 cSt

| CODICE<br>CODE | SIGLA<br>TYPE | PORTATA MAX<br>MAX FLOW<br>lt. / min | PRESSIONE MAX<br>MAX PRESSURE<br>Bar |
|----------------|---------------|--------------------------------------|--------------------------------------|
| V0700/000*     | VMP 3/8"      | 45                                   | 350                                  |
| V0710/000*     | VMP 1/2"      | 70                                   | 350                                  |
| V0720/000*     | VMP 3/4"      | 90                                   | 350                                  |

\*000 = specificare valore della molla desiderata. Vedi tabella sotto.  
\*000 = please specify the desired setting range. See the table below.



| CODICE<br>CODE | SIGLA<br>TYPE | P - T<br>GAS | L<br>mm | L1<br>mm | L2<br>mm | L3<br>mm | L4<br>mm | L5<br>mm | L6<br>mm | G<br>mm | H<br>mm | S<br>mm | PESO<br>WEIGHT<br>kg |
|----------------|---------------|--------------|---------|----------|----------|----------|----------|----------|----------|---------|---------|---------|----------------------|
| V0700/000*     | VMP 3/8"      | G 3/8"       | 72      | 134      | 15       | 26       | 49,5     | 8,5      | 26       | 6,5     | 40      | 40      | 0,824                |
| V0710/000*     | VMP 1/2"      | G 1/2"       | 77      | 139      | 17,5     | 29,5     | 54       | 8,5      | 30       | 6,5     | 45      | 45      | 1,058                |
| V0720/000*     | VMP 3/4"      | G 3/4"       | 92      | 154      | 17,5     | 35       | 68       | 10       | 32       | 8,5     | 50      | 50      | 1,470                |

| MOLLE - SPRINGS                          |                                                                      |                                                |
|------------------------------------------|----------------------------------------------------------------------|------------------------------------------------|
| campo di taratura<br>Setting range (bar) | Incremento bar per giro<br>Pressure increase (bar/turn)<br>Q= 4l/min | Taratura standard<br>Standard setting<br>(bar) |
| 10 - 50*                                 | 7                                                                    | 30                                             |
| 20 - 100                                 | 12                                                                   | 75                                             |
| 10 - 180 standard                        | 30                                                                   | 90                                             |
| 50 - 250                                 | 45                                                                   | 130                                            |
| 80 - 300                                 | 50                                                                   | 150                                            |

| REGOLAZIONE - ADJUSTEMENT |                                                            |  |
|---------------------------|------------------------------------------------------------|--|
| CODICE/V • CODE/V         | Volantino • Handknob                                       |  |
| CODICE/PP • CODE/PP       | Predisposizione alla piombatura • Arranged for sealing cap |  |
| CODICE/P • CODE/P         | Piombatura • Sealing cap                                   |  |

\* Per tarature inferiori a 70 Bar: Q = 12l/min      \* For setting: less than 70 Bar: Q = 12 l/min