

# Oleodinamica Marchesini V0503/300 VAU 1/2 OM WSC motor-mounted cross-line relief valve

Manufacturer: Oleodinamica Marchesini  
Manufacturer part number / published order designation: V0503/300  
Published model: V0503/300

## 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

Actual selected finite pressure-range execution; primary base row, spring table/curve and adjustment legend support it. No delivered preset or exact weighed option mass inferred.

Actual selected SKU; no generated configurations.

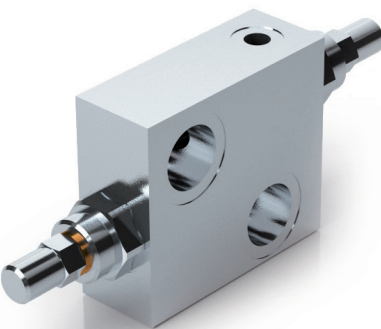
## Source-page index

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.

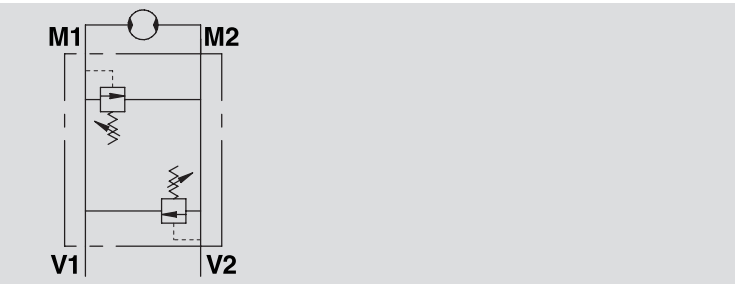
### Source A: Oleodinamica Marchesini VAU OM WSC technical datasheet

| Original pages | Compiled pages | Relevant content                                                                                           |
|----------------|----------------|------------------------------------------------------------------------------------------------------------|
| 1              | 2              | Applicable original base row, finite spring/orifice/adjustment evidence and hydraulic/installation drawing |

VALVOLE ANTIURTO FLANGIABILI CON VITI SU MOTORI  
DANFOSS OMP/OMR  
DUAL CROSS LINE RELIEF VALVES FLANGEABLE ON DANFOSS  
MOTORS OMP/OMR BY SCREWS



SCHEMA IDRAULICO  
HYDRAULIC DIAGRAM



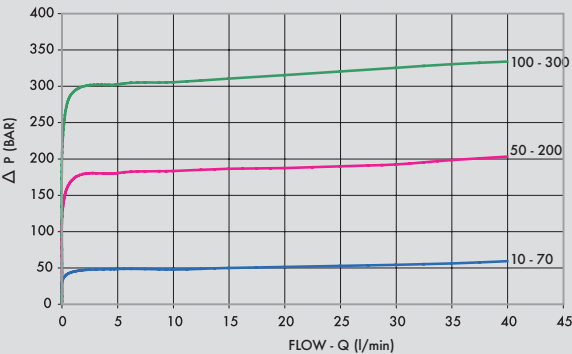
**IMPIEGO:**  
Costituite da due valvole di massima pressione con scarico incrociato, sono utilizzate per limitare la pressione in entrambi i rami del motore idraulico ad un determinato valore di taratura.  
La flangiatura diretta, adatta per motori Danfoss della serie OMP-OMR, garantisce la massima sicurezza, minime perdite di carico e compattezza d'installazione.

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

**MONTAGGIO:**  
Flangiare M1 e M2 direttamente al motore tramite i bulloni forati (a richiesta) e collegare V1 e V2 all'alimentazione.

**A RICHIESTA**  
• molle per diversi campi di taratura (vedi tabella)  
• pressione di taratura diversa da quella standard (CODICE/T000 specificando il valore di taratura)

PRESSIONE / PORTATA  
PRESSURE / FLOW



**USE AND OPERATION:**  
Made up by two cross port relief valves, these valves are used to limit the pressure in the ports of a hydraulic motor to a certain setting. Direct flange mounting for Danfoss motors type OMP-OMR provides maximum safety, very low pressure drop and a robust installation.

**MATERIALS AND FEATURES:**  
Body: zinc-plated steel.  
Internal parts: hardened and ground steel.  
Seals: BUNA N standard.  
Poppet type: minor leakage.

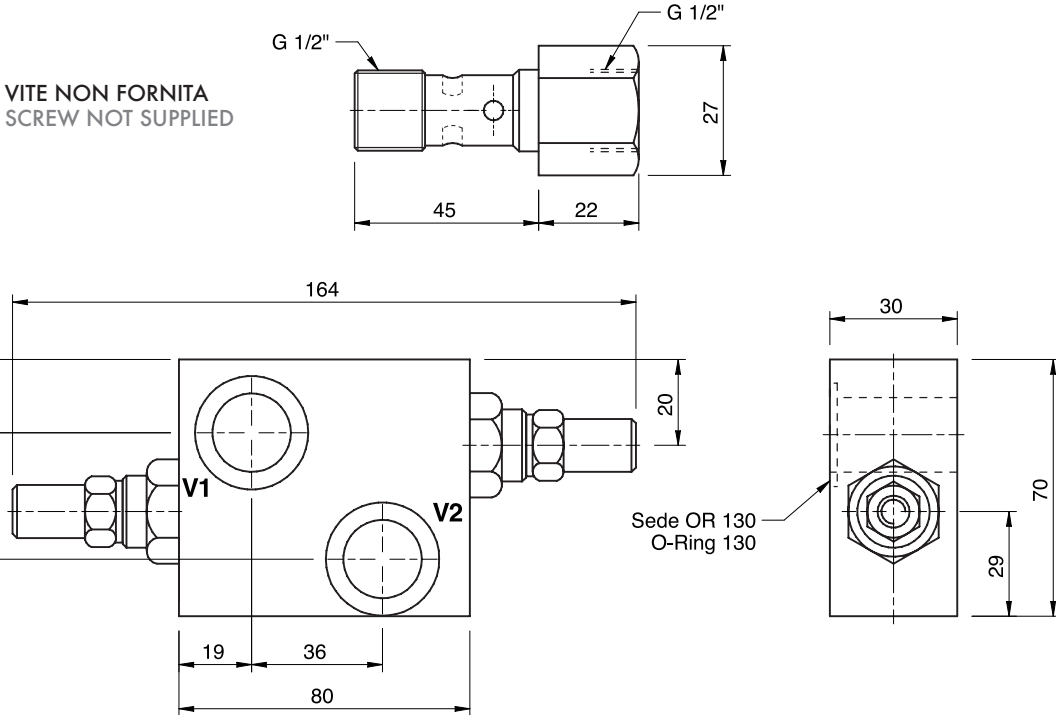
**CONNECTIONS:**  
Flange M1 and M2 directly to the motor by bolts (available on request) and connect ports V1 and V2 to the supply.

**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 FLOW<br>Bar |
|----------------|-----------------|--------------------------------------|----------------------------------|
| V0503/000*     | VAU 1/2" OM WSC | 50                                   | 350                              |
| CR01736Z       | VITE 1/2"       | -                                    | 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   | PESO/<br>WEIGHT<br>Kg |
|----------------|-----------------|-----------------------|
| V0503/000*     | VAU 1/2" OM WSC | 1,150                 |

| CODICE<br>CODE | CAMPO DI TARATURA<br>SETTING RANGE (Bar) |
|----------------|------------------------------------------|
| COD/070        | 10 - 70                                  |
| COD/200        | 50 - 200                                 |
| COD/300        | 100 - 300                                |

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