

# Oleodinamica Marchesini V0660/PP180 VS2C 1/2 sequence valve with check valve - prepared for sealing cap

Manufacturer: Oleodinamica Marchesini  
Manufacturer part number / published order designation: V0660/PP180  
Published model: V0660/PP180

## 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.

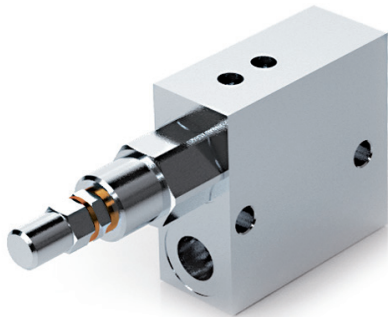
## Source-page index

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.

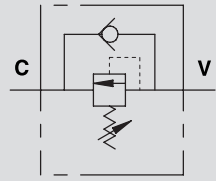
### Source A: Oleodinamica Marchesini VS2C technical datasheet

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

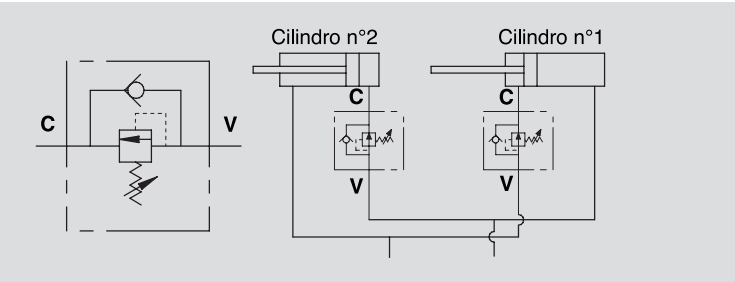
VALVOLE DI SEQUENZA AD AZIONE DIRETTA  
DIRECT ACTING SEQUENCE VALVES



SCHEMA IDRAULICO  
HYDRAULIC DIAGRAM



SCHEMA DI MONTAGGIO  
APPLICATION CIRCUIT



**IMPIEGO:**  
Valvola utilizzata principalmente per far funzionare in sequenza due cilindri: al raggiungimento di un determinato valore di taratura, la valvola si apre e va ad alimentare un secondo attuatore. La valvola di ritegno permette il libero passaggio del flusso nella direzione opposta. È indicata in impianti dove la pressione sull'attuatore secondario sia limitata, in quanto le pressioni si sommano.

**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 C al cilindro e V all'alimentazione.  
Per l'impiego con due attuatori seguire le indicazioni di montaggio illustrate nello schema.

**A RICHIESTA**  
• Molle per diversi campi di taratura (vedi tabelle)  
• Pressioni di taratura specifiche (CODICE/T 000 specificando il valore di taratura)

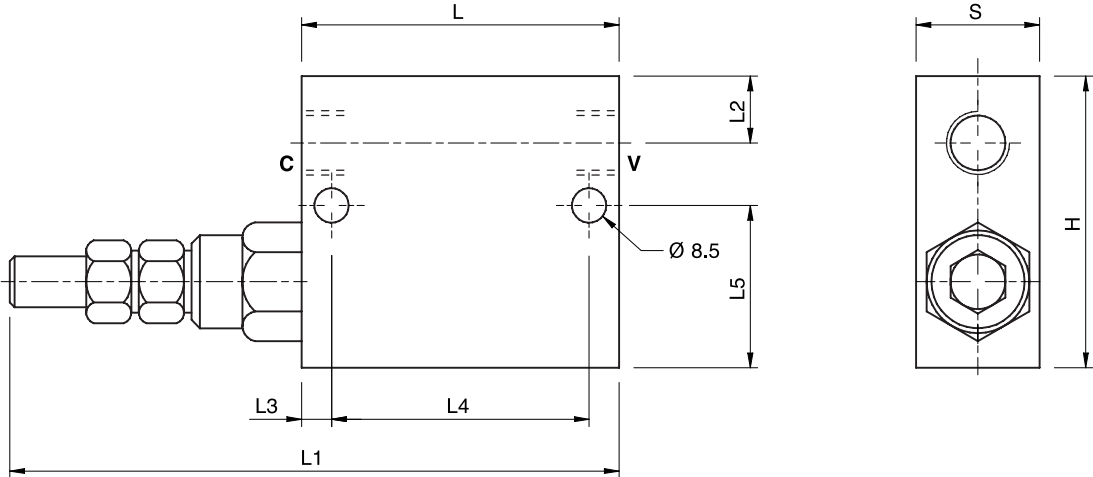
**USE AND OPERATION:**  
Sequence valve is used to feed 2 cylinders in sequence: it provides flow to the secondary circuit when a primary circuit function has reached the pressure setting. Reverse flow is free. It's ideal for circuits with low pressure on the secondary actuator as the pressures are added.

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

**CONNECTIONS:**  
Connect C to the cylinder and V to the supply.  
For the installation on two cylinders follow the mounting instructions shown in the application circuit.

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

| CODICE<br>CODE | SIGLA<br>TYPE | PORTATA MAX<br>MAX FLOW<br>Lt. / min | RANGE DI PRESSIONE<br>PRESSURE RANGE<br>Bar | PRESSIONE APERTURA<br>OPENING PRESSURE<br>Bar |
|----------------|---------------|--------------------------------------|---------------------------------------------|-----------------------------------------------|
| V0636          | VS2C 1/4"     | 30                                   | 350                                         | 5                                             |
| V0640          | VS2C 3/8"     | 35                                   | 350                                         | 7                                             |
| V0660          | VS2C 1/2"     | 70                                   | 350                                         | 5                                             |
| V0665          | VS2C 3/4"     | 110                                  | 400                                         | 1                                             |



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                                   |

| CODICE<br>CODE | SIGLA<br>TYPE | C - V<br>GAS | L<br>mm | L1<br>mm | L2<br>mm | L3<br>mm | L4<br>mm | L5<br>mm | H<br>mm | S<br>mm | PESO/<br>WEIGHT<br>Kg |
|----------------|---------------|--------------|---------|----------|----------|----------|----------|----------|---------|---------|-----------------------|
| V0636          | VS2C 1/4"     | G 1/4"       | 74      | 144      | 14       | 7        | 55       | 39       | 70      | 30      | 1,250                 |
| V0640          | VS2C 3/8"     | G 3/8"       | 74      | 146      | 14       | 7        | 55       | 39       | 70      | 30      | 1,172                 |
| V0660          | VS2C 1/2"     | G 1/2"       | 80      | 152      | 15       | 7        | 55       | 37       | 70      | 30      | 1,130                 |
| V0665          | VS2C 3/4"     | G 3/4"       | 100     | 164      | 20       | 10       | 80       | 50       | 100     | 40      | 2,900                 |

**MOLLE - SPRINGS (VS2C 3/8" - 1/2")**

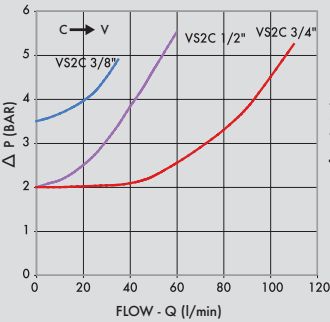
| Campo di taratura<br>Setting range (bar) | Incremento bar per giro<br>Pressure increase (bar/turn)<br>Q= 4l/min | Taratura standard<br>Standard setting<br>(bar) |
|------------------------------------------|----------------------------------------------------------------------|------------------------------------------------|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

**MOLLE - SPRINGS (VS2C 3/4")**

| 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) |
|------------------------------------------|----------------------------------------------------------------------|------------------------------------------------|
| 20 - 200                                 | 40                                                                   | 160                                            |
| 50 - 400 standard                        | 80                                                                   | 180                                            |

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

PERDITE DI CARICO  
PRESSURE DROP CURVE



PRESSIONE/PORTATA  
PRESSURE/FLOW

