

# Oleodinamica Marchesini V0201 VBPSL 1/4 single pilot-operated check valve

Manufacturer: Oleodinamica Marchesini  
Manufacturer part number / published order designation: V0201  
Published model: V0201

## 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-offered article: V0201

Manufacturer series image is representative.

No publication date inferred from upload path.

## 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.

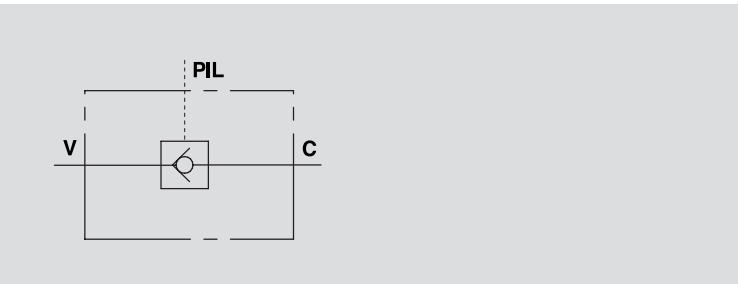
### Source A: Oleodinamica Marchesini VBPSL technical datasheet

| Original pages | Compiled pages | Relevant content                                                                                     |
|----------------|----------------|------------------------------------------------------------------------------------------------------|
| 1              | 2              | Complete relevant manufacturer ratings/code table, original circuit, drawings, curves and conditions |

VALVOLE DI BLOCCO PILOTATE A SEMPLICE EFFETTO  
A 3 VIE IN LINEA  
3 WAY SINGLE PILOT OPERATED CHECK VALVES IN LINE



SCHEMA IDRAULICO  
HYDRAULIC DIAGRAM



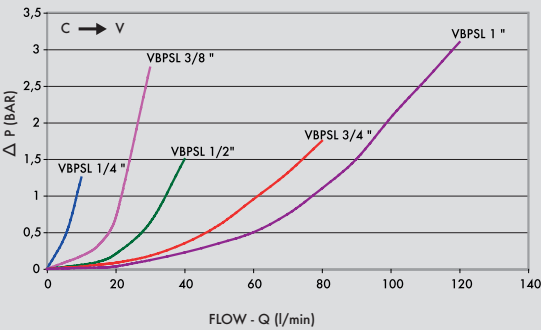
**IMPIEGO:**  
Valvola utilizzata per bloccare in posizione un cilindro in un solo senso, consentendo il flusso in una direzione ed impedendolo in senso contrario fino a quando non si applica la pressione di pilotaggio. È realizzata per il montaggio in linea.

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

**MONTAGGIO:**  
Collegare V all'alimentazione, C all'attuatore dove si desidera la tenuta e PIL. alla linea di pilotaggio.

**A RICHIESTA**  
• molla 8 Bar

**PERDITE DI CARICO  
PRESSURE DROP CURVE**



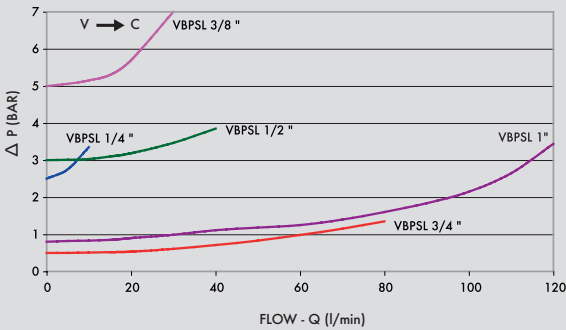
**USE AND OPERATION:**  
These valves are used to block the cylinder in one direction. The flow is free in one direction and blocked in the reverse direction until pilot pressure is applied. They are designed for in-line mounting.

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

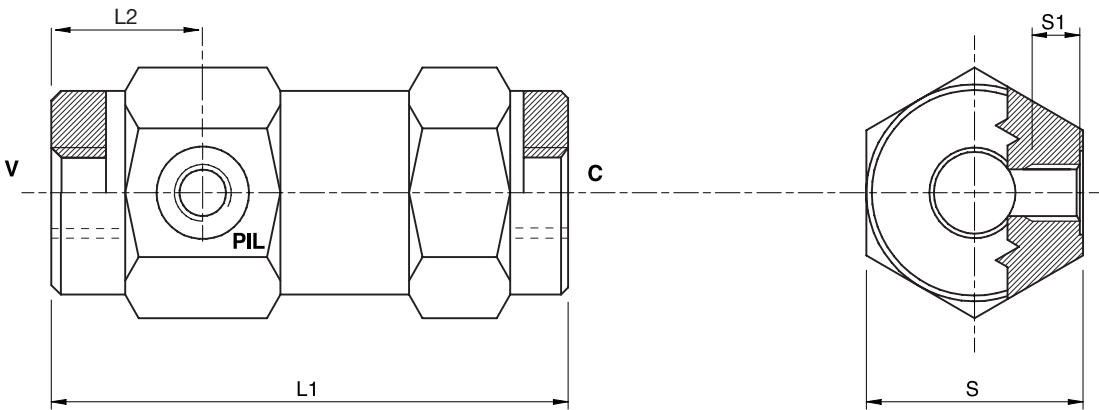
**CONNECTIONS:**  
Connect V to the supply, C to the actuator side you want the flow to be blocked and PIL to the pilot line.

**ON REQUEST**  
• 8 Bar spring

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



| CODICE<br>CODE | SIGLA<br>TYPE | RAPP. PILOT<br>PILOT RATIO | PORTATA MAX<br>MAX FLOW<br>Lt. / min | PRESSIONE MAX<br>MAX PRESSURE<br>Bar | PRESSIONE APERTURA<br>CRACKING PRESSURE<br>Bar |
|----------------|---------------|----------------------------|--------------------------------------|--------------------------------------|------------------------------------------------|
| V0201          | VBPSL 1/4"    | 1 : 9,8                    | 20                                   | 350                                  | 2,5                                            |
| V0202          | VBPSL 3/8"    | 1 : 6,5                    | 30                                   | 300                                  | 5                                              |
| V0203          | VBPSL 1/2"    | 1 : 4,6                    | 45                                   | 300                                  | 3                                              |
| V0204          | VBPSL 3/4"    | 1 : 4,4                    | 80                                   | 250                                  | 0,5                                            |
| V0205          | VBPSL 1"      | 1 : 3,5                    | 120                                  | 220                                  | 1                                              |



| CODICE<br>CODE | SIGLA<br>TYPE | V - C<br>GAS | PIL<br>GAS | L1<br>mm | L2<br>mm | S<br>mm | S1<br>mm | PESO<br>WEIGHT<br>kg |
|----------------|---------------|--------------|------------|----------|----------|---------|----------|----------------------|
| V0201          | VBPSL 1/4"    | G 1/4"       | G 1/4"     | 103      | 32       | 36      | 11       | 0,690                |
| V0202          | VBPSL 3/8"    | G 3/8"       | G 1/4"     | 109      | 33       | 40      | 11,5     | 0,900                |
| V0203          | VBPSL 1/2"    | G 1/2"       | G 1/4"     | 120      | 36       | 42      | 11       | 1,040                |
| V0204          | VBPSL 3/4"    | G 3/4"       | G 1/4"     | 145      | 45       | 55      | 14       | 2,300                |
| V0205          | VBPSL 1"      | G 1"         | G 1/4"     | 165      | 59,5     | 55      | 14       | 2,350                |