

# Oleodinamica Marchesini V0182 VBPDE 3/8 AL double pilot-operated check valve

Manufacturer: Oleodinamica Marchesini  
Manufacturer part number / published order designation: V0182  
Published model: V0182

## 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: V0182

Manufacturer series image is representative.

No publication date inferred from upload path.

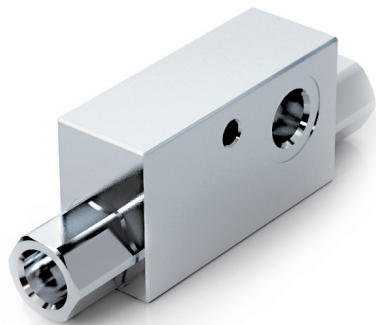
## Source-page index

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.

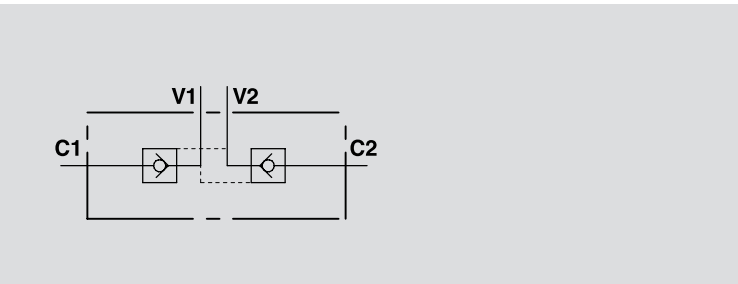
### Source A: Oleodinamica Marchesini VBPDE AL technical datasheet

| 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 DOPPIO EFFETTO  
CON ATTACCHI LATERALI  
DOUBLE PILOT OPERATED CHECK VALVES  
WITH LATERAL CONNECTIONS



SCHEMA IDRAULICO  
HYDRAULIC DIAGRAM



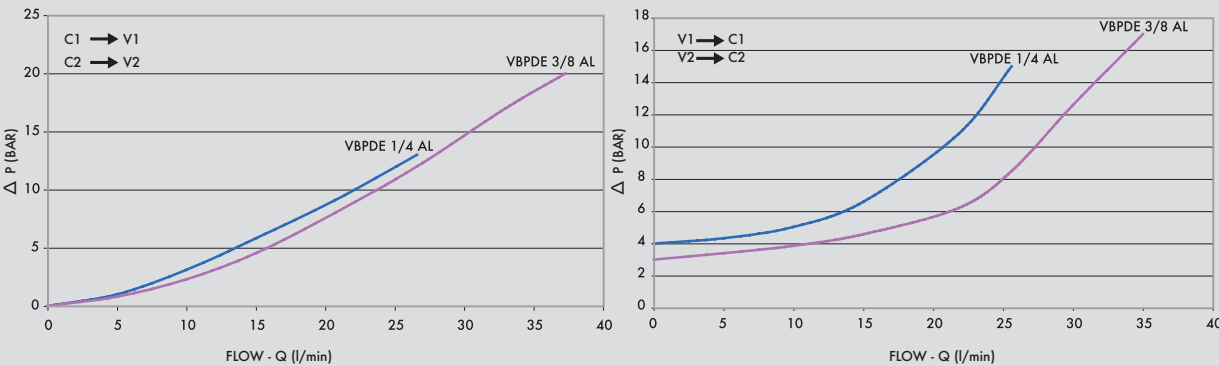
**IMPIEGO:**  
Valvola utilizzata per bloccare in posizione un cilindro in entrambi i sensi, consentendo il flusso in una direzione ed impedendolo in senso contrario fino a quando non viene applicata la pressione di pilotaggio. Valvola caratterizzata dalla posizione contrapposta degli attacchi V1 e V2 sulla faccia laterale del corpo.

**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 V1 e V2 all'alimentazione e C1 e C2 all'attuatore.

**A RICHIESTA**  
• senza guarnizione OR sul pilota

PERDITE DI CARICO  
PRESSURE DROP CURVE



**USE AND OPERATION:**  
Pilot check valves are used to block the cylinder in both directions. Flow is free in one direction and blocked in the reverse direction until pilot pressure is applied. The distinguishing feature of this valve are the side positioned ports V1 and V2.

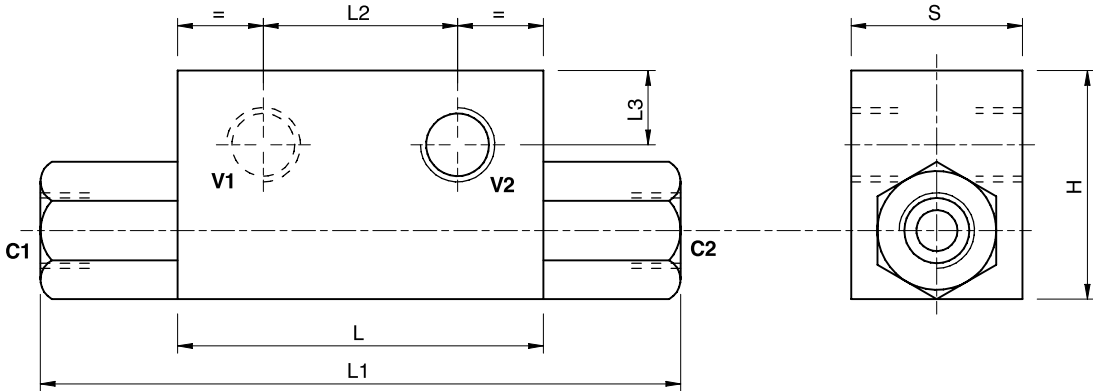
**MATERIALS AND FEATURES:**  
Body: zinc-plated steel.  
Internal parts: hardened and ground steel.  
Seals: BUNA N standard.  
Leakage: Guided poppet - negligible leakage.

**CONNECTIONS:**  
Connect V1 and V2 to the supply and C1 and C2 to the actuator.

**ON REQUEST**  
• without seal on pilot piston

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 |
|----------------|---------------|----------------------------|--------------------------------------|--------------------------------------|------------------------------------------------|
| V0181          | VBPDE 1/4" AL | 1: 5,5                     | 20                                   | 350                                  | 4                                              |
| V0182          | VBPDE 3/8" AL | 1: 5,5                     | 35                                   | 350                                  | 3                                              |



| CODICE<br>CODE | SIGLA<br>TYPE | V1 - V2<br>C1 - C2 | L  | L1  | L2 | L3 | H  | D  | PESO<br>WEIGHT<br>kg |
|----------------|---------------|--------------------|----|-----|----|----|----|----|----------------------|
| V0181          | VBPDE 1/4" AL | G 1/4"             | 64 | 113 | 32 | 13 | 40 | 30 | 0,638                |
| V0182          | VBPDE 3/8" AL | G 3/8"             | 80 | 128 | 40 | 16 | 45 | 30 | 0,810                |