

# Oleodinamica Marchesini V1011KIT weld-on single pilot-operated check valve kit

Manufacturer: Oleodinamica Marchesini  
Manufacturer part number / published order designation: V1011KIT  
Published model: V1011KIT

## 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 literal KIT printed in current original rows; body+stem+cartridge supplied unassembled for post-weld fitting. Realcompletekit, not borrowed barebody ratings. V1011single vsV1010/V1012double explicit.

## 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.

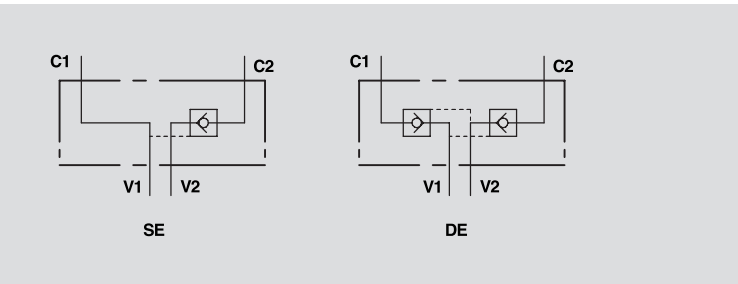
### Source A: Oleodinamica Marchesini VBAS exact execution reference

| Original pages | Compiled pages | Relevant content                                                                                                                               |
|----------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 1              | 2              | Original applicable size/kit row, actual NPT/range option legend, circuit and installation drawing; reference-only BSP data qualified on index |

VALVOLE DI BLOCCO A SALDARE  
DOUBLE PILOT OPERATED CHECK VALVES TO WELD



SCHEMA IDRAULICO  
HYDRAULIC DIAGRAM

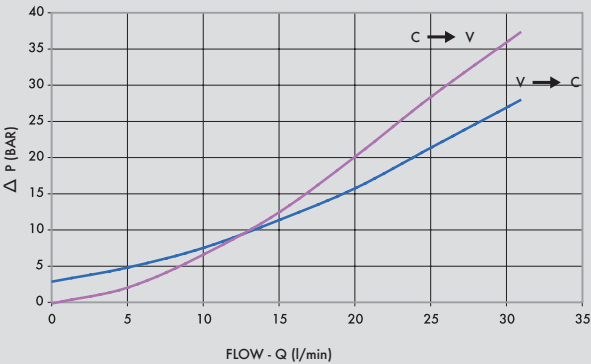


**IMPIEGO:**  
La funzionalità di questi fondelli è analoga a quella della valvola di ritegno pilotata avendo all'interno la cartuccia di ritegno. Sono particolarmente utilizzati su appoggi idraulici in quanto vengono saldati direttamente sul cilindro. Queste valvole sono state studiate appositamente per rallentare la velocità e le vibrazioni su appoggi idraulici. V1011 è semplice effetto, V1010 e V1012 sono doppio effetto.

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

**MONTAGGIO:**  
Collegare V1 e V2 all'alimentazione e saldare C1 e C2 all'attuatore. La cartuccia di ritegno e lo stelo pilota sono da montare dopo l'installazione del fondello, pertanto vengono forniti separatamente smontati.

PERDITE DI CARICO  
PRESSURE DROP CURVE



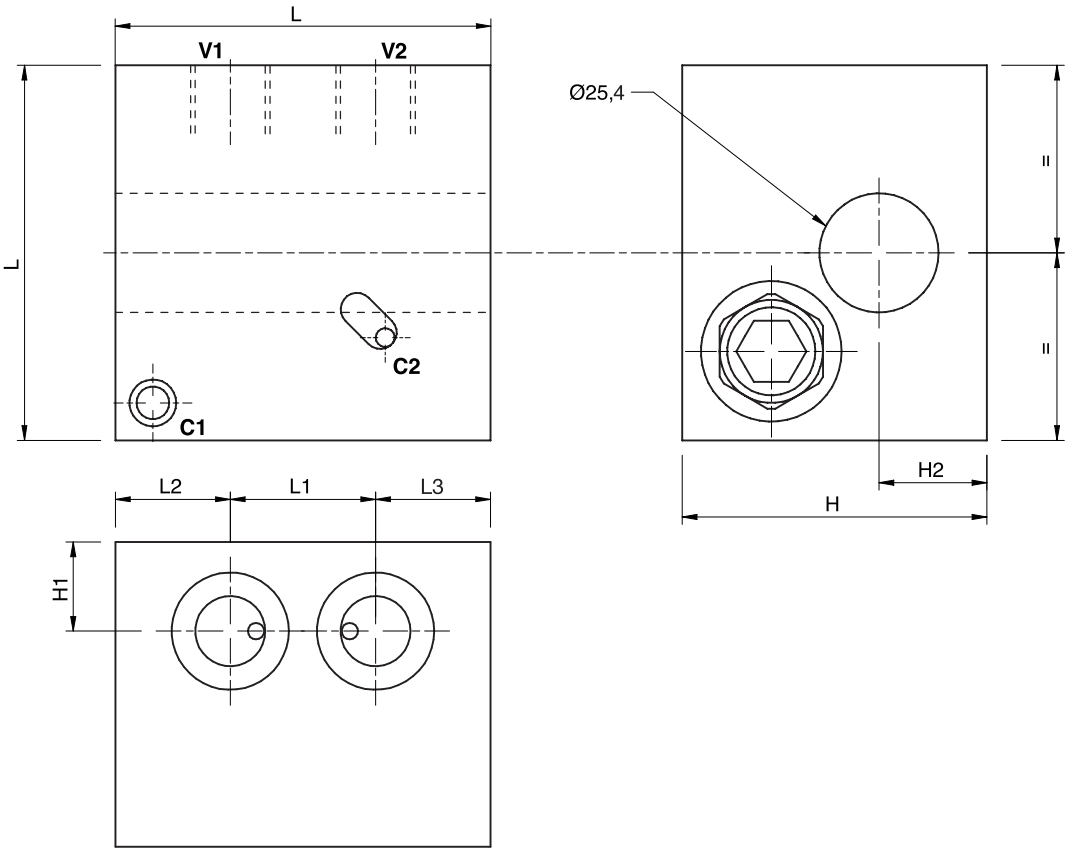
**USE AND OPERATION:**  
Having inside the check cartridge, the function of this valve is nearly the same of the pilot operated check valves. Directly weld onto the cylinder. This valve has been designed to reduce the speed and limit potential vibrations of the cylinder. V1011 is single pilot operated check valve, V1010 and V1012 are double pilot operated check valves.

**MATERIALS AND FEATURES:**  
Body: steel.  
Internal parts: hardened and ground steel.  
Seals: BUNA N standard.  
Leakage: Ball type - negligible leakage.

**CONNECTIONS:**  
Connect V1 and V2 to the supply and weld C1 and C2 to the actuator. The check cartridge and the pilot piston have to be fitted after installation of the valve, therefore they are supplied separately.

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 |
|----------------|---------------|----------------------------|--------------------------------------|--------------------------------------|------------------------------------------------|
| V1011KIT       | VBAS 70 SE    | 1:5.5                      | 25                                   | 350                                  | 3                                              |
| V1011/DEKIT    | VABS 70 DE    | 1:5.5                      | 25                                   | 350                                  | 3                                              |
| V1010KIT       | VABS 80 DE    | 1:5.5                      | 25                                   | 350                                  | 3                                              |
| V1010/SEKIT    | VBAS 80 SE    | 1:5.5                      | 25                                   | 350                                  | 3                                              |
| V1012KIT       | VABS 90 DE    | 1:5.5                      | 25                                   | 350                                  | 3                                              |
| V1012/SEKIT    | VBAS 90 SE    | 1:5.5                      | 25                                   | 350                                  | 3                                              |



| CODICE<br>CODE | SIGLA<br>TYPE | V1 - V2<br>GAS | L<br>mm | L1<br>mm | L2<br>mm | L3<br>mm | H<br>mm | H1<br>mm | H2<br>mm | PESO<br>WEIGHT<br>kg |
|----------------|---------------|----------------|---------|----------|----------|----------|---------|----------|----------|----------------------|
| V1011KIT       | VBAS 70 SE    | G 3/8"         | 70      | 28       | 27       | 15       | 65      | 17       | 24       | 1,97                 |
| V1011/DEKIT    | VABS 70 DE    | G 3/8"         | 70      | 28       | 27       | 15       | 65      | 17       | 24       | 1,97                 |
| V1010KIT       | VABS 80 DE    | G 3/8"         | 80      | 31       | 24,5     | 24,5     | 65      | 19       | 24       | 2,59                 |
| V1010/SEKIT    | VBAS 80 SE    | G 3/8"         | 80      | 31       | 24,5     | 24,5     | 65      | 19       | 24       | 2,59                 |
| V1012KIT       | VABS 90 DE    | G 3/8"         | 90      | 28       | 31       | 31       | 65      | 19       | 24       | 3,382                |
| V1012/SEKIT    | VBAS 90 SE    | G 3/8"         | 90      | 28       | 31       | 31       | 65      | 19       | 24       | 3,382                |