

Oleodinamica Marchesini V0114 VBPDE 3/8 L CMP/FLV double pilot-operated check valve

Manufacturer: Oleodinamica Marchesini
Manufacturer part number / published order designation: V0114
Published model: V0114

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: V0114

Manufacturer series image is representative.

No publication date inferred from upload path.

Cracking pressure 1 bar transcribed from visible factory table; hidden text layer contains a differing legacy value.

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.

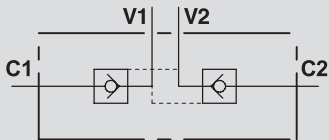
Source A: Oleodinamica Marchesini VBPDE CMP/FLV technical datasheet

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
COMPATTA
COMPACT DOUBLE PILOT OPERATED CHECK VALVES



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. Questo modello è stato studiato appositamente per cilindri con interasse molto corto ai quali è fissata tramite una vite forata fornita con la valvola.

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

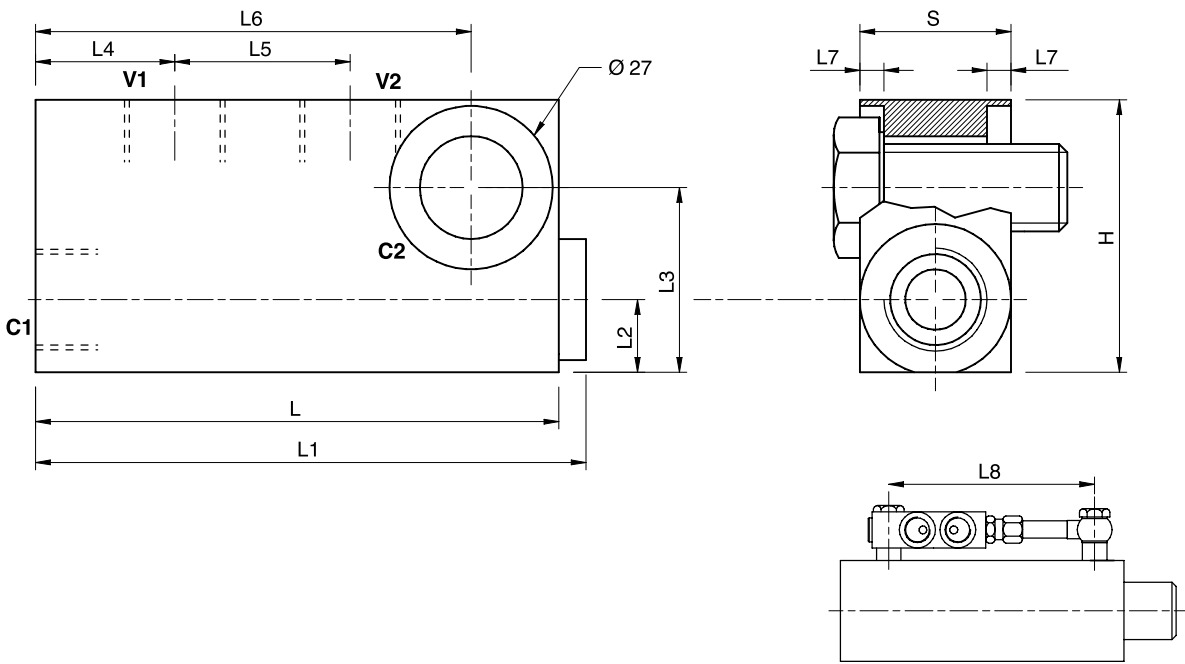
MONTAGGIO:
Collegare V1 e V2 all'alimentazione e C1 e C2 all'attuatore tramite l'apposita vite.

USE AND OPERATION:
Pilot check valves are used to block the actuator in both directions. Flow is free in one direction and blocked in the reverse direction until pilot pressure is applied. This valve is ideal for very short cylinders and is fixed to them by a drilled bolt supplied with the valve.

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 by the screw.

CODICE CODE	SIGLA TYPE	RAPP. PILOT PILOT RATIO	PORTATA MAX MAX FLOW Ltr. / min	PRESSIONE MAX MAX PRESSURE Bar	PRESSIONE APERTURA CRACKING PRESSURE Bar
V0117	VBPDE 1/4" L CMP/FLV	1 : 4,9	20	300	1
V0114	VBPDE 3/8" L CMP/FLV	1 : 4,9	20	300	1



CODICE CODE	SIGLA TYPE	V1 - V2 C1 - C2	L	L1	L2	L3	L4	L5	L6	L7	L8	H	S	PESO WEIGHT kg
V0117	VBPDE 1/4" L CMP/FLV*	G 1/4"	84	88,5	10	27	28	24	68,5	3	123	40	20	0,450
V0114	VBPDE 3/8" L CMP/FLV*	G 3/8"	86,5	91	12	30,5	23	29	72	4	127	45	25	0,654

* Valvola completa di vite forata e nr. 2 rondelle bonded. Controllare i diametri esterni delle borchie dei cilindri rispetto alla quota della lamatura.
* The valve is supplied with screw and 2 bonded washers. Please check the external diameters of the cylinder bosses compared to the counterbore.