

Oleodinamica Marchesini V1031 DFL A CARTUCCIA 2-5 LPM two-way steel flow divider-combiner - cartridge design

Manufacturer: Oleodinamica Marchesini
Manufacturer part number / published order designation: V1031
Published model: V1031

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

Factory peak-pressure cells contain question marks; peak pressure is omitted. DFL C page uses exact DFL A CARTUCCIA article designations.

Actual selected supplier article; no order-code configuration was generated.

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 DFL C technical datasheet

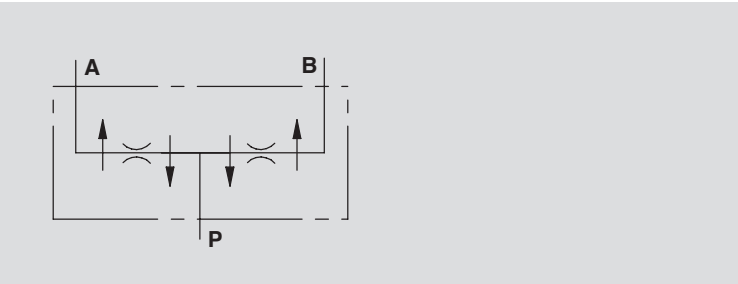
Original pages	Compiled pages	Relevant content
1	2	Original exact article/base-size table, applicable option legend, circuit, installation drawing and ratings

VALVOLE EQUILIBRATRICI DI FLUSSO A 2 VIE
(VERSIONE A CARTUCCIA)
2 WAY STEEL FLOW DIVIDERS (CARTRIDGE VERSION)

NEW



SCHEMA IDRAULICO
HYDRAULIC DIAGRAM



IMPIEGO:
Valvole che consentono la divisione del fluido in ingresso in due parti uguali (50/50), mentre nella direzione opposta lo riunificano indipendentemente dalla variazione di pressione generata dagli attuatori e dalla loro portata. Vengono utilizzate quando due attuatori uguali, non accoppiati meccanicamente, alimentati dalla stessa pompa e regolati dallo stesso distributore, devono muoversi contemporaneamente in entrata e in uscita.

MATERIALI E CARATTERISTICHE:
Corpo: acciaio zincato.
Componenti interni: acciaio temprato termicamente e rettificato.
Guarnizioni: BUNA N standard e Teflon.
Tenuta: per accoppiamento. Trafilamento trascurabile.
Tolleranza: max $\pm 3\%$ calcolata sulla portata max.
Eventuali differenze sono compensate a fine corsa del cilindro.

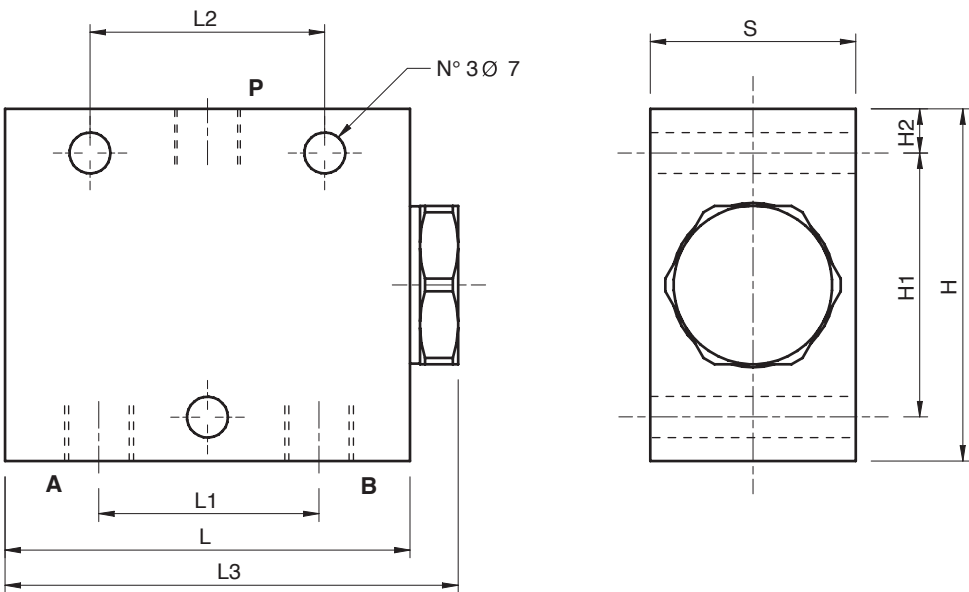
MONTAGGIO:
Collegare P all'alimentazione e A e B agli attuatori.

USE AND OPERATION:
These valves are used when two equal actuators, that are not mechanically coupled, supplied by the same pump and controlled by a single valve, must move simultaneously both in extension and retraction.

MATERIALS AND FEATURES:
Body: zinc-plated steel.
Internal parts: hardened and ground steel.
Seals: BUNA N standard and Teflon.
Load holding : matched diameters, minimal leakage.
Cylinder stroke error tolerance of $\pm 3\%$ of maximum flow. Any synchronisation errors are compensated for at the end of stroke.

CONNECTIONS:
Connect P to supply flow and A and B to the actuators.

CODICE CODE	SIGLA TYPE	PORTATA MIN* MIN FLOW l/min	PORTATA MAX* MAX FLOW l/min	PRESS. ESERCIZIO MAX WORKING PRESSURE bar	PICCO DI PRESSIONE PEAK PRESSURE bar
V1031	DFL A CARTUCCIA 2-5 LPM	2	5	350	?
V1032	DFL A CARTUCCIA 3-10 LPM	3	10	350	?
V1033	DFL A CARTUCCIA 7-20 LPM	7	20	350	?
V1034	DFL A CARTUCCIA 15-40 LPM	15	40	350	?



CODICE CODE	SIGLA TYPE	P Gas	A-B Gas	L mm	L1 mm	L2 mm	L3 mm	H mm	H1 mm	H2 mm	S mm	PESO WEIGHT Kg.
V1031	DFL A CARTUCCIA 2-5 LPM	3/8"	3/8"	69	37	40	77,2	60	45	7,5	35	0,986
V1032	DFL A CARTUCCIA 3-10 LPM	3/8"	3/8"	69	37	40	77,2	60	45	7,5	35	0,986
V1033	DFL A CARTUCCIA 7-20 LPM	3/8"	3/8"	69	37	40	77,2	60	45	7,5	35	0,986
V1034	DFL A CARTUCCIA 15-40 LPM	3/8"	3/8"	69	37	40	77,2	60	45	7,5	35	0,986