

Oleodinamica Marchesini V1003 V - EQ 20 two-way cast-iron flow divider-combiner

Manufacturer: Oleodinamica Marchesini
Manufacturer part number / published order designation: V1003
Published model: V1003

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: V1003

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.

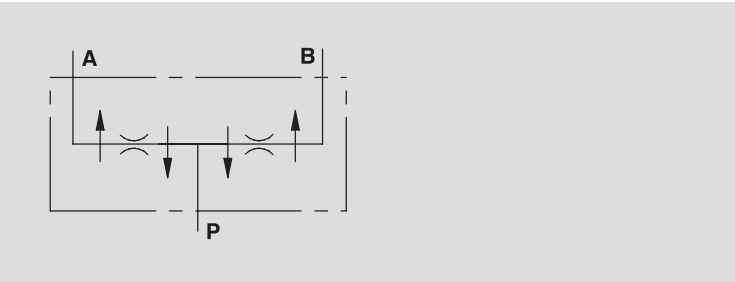
Source A: Oleodinamica Marchesini V-EQ technical datasheet

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

VALVOLE EQUILIBRATRICI DI FLUSSO A 2 VIE
2 WAY FLOW DIVIDERS



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: ghisa.
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.

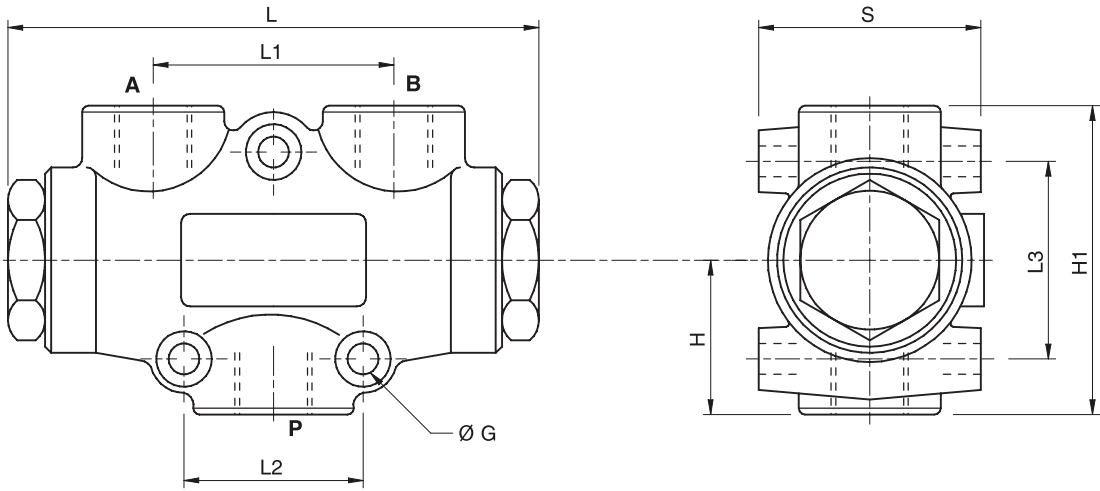
USE AND OPERATION:
These valves are used when two equal actuators, that are not mechanically coupled, supplied by the same pump and controlled by a single valve, must move simultaneously both in extension and retraction.

MATERIALS AND FEATURES:
Internal parts: hardened and ground steel.
Seals: BUNA N standard and Teflon.
Leakage: Matched diameters. Minimal leakage.
Cylinder stroke error tolerance of $\pm 3\%$ of maximum flow. Any flow 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 Lt. / min	PORTATA MAX* MAX FLOW Lt. / min	PRESS. ESERCIZIO WORKING PRESSURE Bar	PICCO DI PRESSIONE PEAK PRESSURE Bar
V1001	V - EQ 8	1	3	250	300
V1000	V - EQ 10	3	6	250	300
V1002	V - EQ 15	6	10	250	300
V1003	V - EQ 20	10	20	250	300
V1004	V - EQ 22	20	32	250	300
V1005	V - EQ 25	25	40	250	300
V1006	V - EQ 30	40	60	250	300
V1007	V - EQ 50	60	80	250	300

*I valori di portata si riferiscono all'ingresso P
*Capacity values refers to input P



CODICE CODE	SIGLA TYPE	P GAS	A - B GAS	L mm	L1 mm	L2 mm	L3 mm	ØG mm	H mm	H1 mm	S mm	PESO WEIGHT Kg.
V1001	V - EQ 8	G 3/8"	G 3/8"	117	53	40	45	7	35	68	48	1,270
V1000	V - EQ 10	G 3/8"	G 3/8"	117	53	40	45	7	35	68	48	1,270
V1002	V - EQ 15	G 3/8"	G 3/8"	117	53	40	45	7	35	68	48	1,280
V1003	V - EQ 20	G 3/8"	G 3/8"	117	53	40	45	7	35	68	48	1,280
V1004	V - EQ 22	G 3/8"	G 3/8"	117	53	40	45	7	35	68	48	1,280
V1005	V - EQ 25	G 1/2"	G 3/8"	117	53	40	45	7	35	68	48	1,280
V1006	V - EQ 30	G 1/2"	G 3/8"	117	53	40	45	7	35	68	48	1,260
V1007	V - EQ 50	G 1/2"	G 3/8"	117	53	40	45	7	35	68	48	1,260