Oleodinamica Marchesini B8500 valve mounting flange

Manufacturer: Oleodinamica Marchesini

Manufacturer part number / published order designation: B8500

Published model: B8500

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

VisiblecurrentOEMdrawing B8500 onlyV0385/V0424/V0434. No valve pressure/flow/mass/materialgrade borrowed.

Source-page index

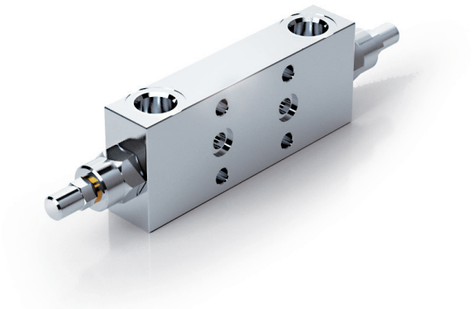
Source page numbers below are physical pages of each complete original PDF. The original printed page labels and technical content remain unchanged. Compiled page numbers count this cover/index.

Source A: Oleodinamica Marchesini VBCD DE FL accessories original reference

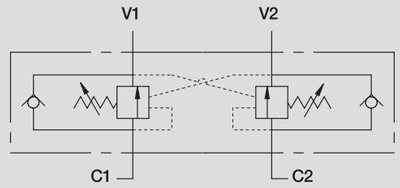
Original pages	Compiled pages	Relevant content
1	2	Exact original row, accessory drawing or technical context

VALVOLE DI BLOCCO E CONTROLLO DISCESA A DOPPIO EFFETTO A FLANGIA

DOUBLE OVERCENTRE VALVES FLANGEABLE



SCHEMA IDRAULICO
HYDRAULIC DIAGRAM



CODICE CODE	SIGLA TYPE	RAPP. PILOT PILOT RATIO	PORTATA MAX MAX FLOW Lt. / min	PRESSIONE MAX MAX PRESSURE Bar
V0385	VBCD 1/4" DE FL	1 : 4,5	40	350
V0424	VBCD 3/8" DE FL	1 : 4,5	40	350
V0434	VBCD 1/2" DE FL	1 : 4,5	60	350
V0447	VBCD 3/4" DE FL	1 : 5,5	100	350

IMPIEGO:
Valvola utilizzata per controllare il movimento e il blocco dell'attuatore in entrambe le direzioni realizzando la discesa controllata del carico che non sfugge trascinato dal proprio peso, in quanto la valvola non consente alcuna cavitazione dell'attuatore. Gli attacchi a flangia consentono il montaggio diretto della valvola sull'attuatore.

MATERIALI E CARATTERISTICHE:
Corpo: acciaio zincato.
Componenti interni: acciaio temprato termicamente e rettificato.
Guarnizioni: BUNA N standard.
Tenuta: trafilamento trascurabile.
Taratura standard: 320 Bar.
La taratura della valvola deve essere almeno 1,3 volte superiore alla pressione indotta dal carico per consentire alla valvola di chiudersi anche quando sottoposta alla pressione corrispondente al carico massimo.

MONTAGGIO:
Collegare V1 e V2 all'alimentazione e flangiare C1 e C2 direttamente sull'attuatore.

A RICHIESTA
- pressione di taratura diversa da quella standard.
- piombatura (CODICE/P) e predisposizione alla piombatura (CODICE/PP).

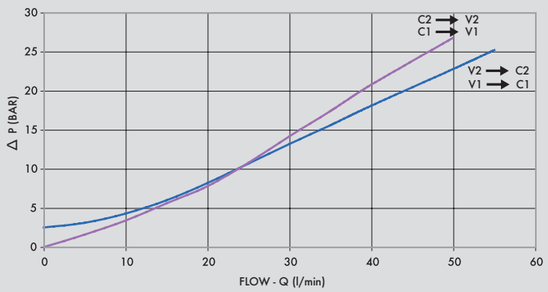
USE AND OPERATION:
These valves are used to control the actuator movements and block it in both directions. In order to have the descent of a load under control and avoid the load's weight being carried away the valve will prevent any cavitation of the actuator. Flange ports enable direct mounting of the valve onto the actuator.

MATERIALS AND FEATURES:
Body: zinc-plated steel.
Internal parts: hardened and ground steel.
Seals: BUNA N standard.
Leakage: negligible leakage.
Standard setting: 320 Bar.
Valve setting must be at least 1.3 times more than load pressure in order to enable the valve to close even when subjected to the maximum load pressure.

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

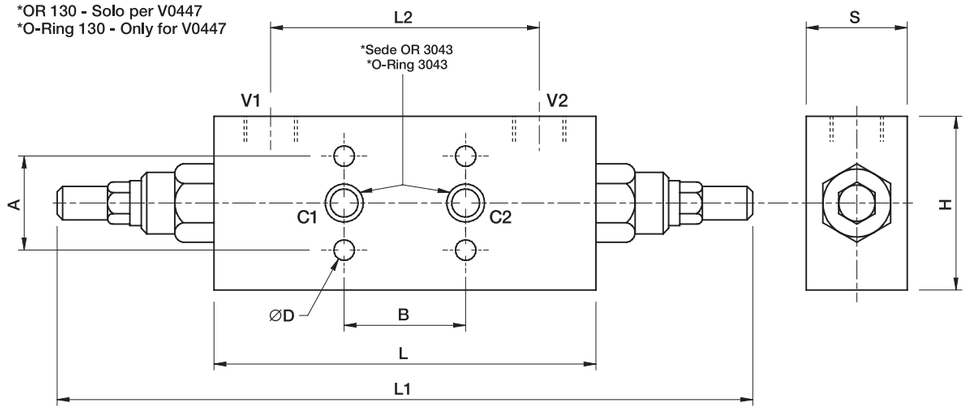
ON REQUEST
- non standard pressure settings
- sealing cap (CODE/P) and arrangement for sealing cap (CODE/PP)

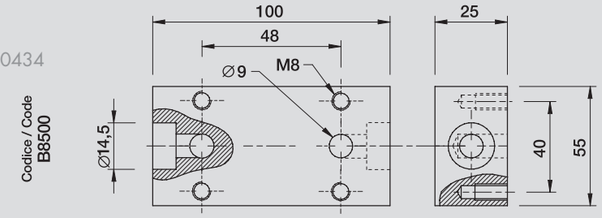
PERDITE DI CARICO
PRESSURE DROP CURVE



Temperatura olio: 50°C - Viscosità olio: 30 cSt
Oil temperature: 50° C - Oil viscosity: 30 cSt

*OR 130 - Solo per V0447
*O-Ring 130 - Only for V0447



CODICE CODE	SIGLA TYPE	V1 - V2 GAS	C1 - C2 mm	L mm	L1 mm	L2 mm	D mm	A mm	B mm	H mm	S mm	PESO WEIGHT kg
V0385	VBCD 1/4" DE FL	G 1/4"	Ø9	151	247	110	Ø8,5	40	48	60	30	2,050
V0424	VBCD 3/8" DE FL	G 3/8"	Ø9	151	247	110	Ø8,5	40	48	60	30	2,043
V0434	VBCD 1/2" DE FL	G 1/2"	Ø9	151	247	110	Ø8,5	40	48	60	30	2,010
V0447	VBCD 3/4" DE FL	G 3/4"	Ø13,5	191	304	144	Ø10,5	60	65	80	35	3,800

BASE PER VALVOLE V0385/V0424/V0434
VALVE'S FLANGE ONLY FOR V0385/V0424/V0434