

Oleodinamica Marchesini V0425 VBCDF 1/2 DE OMP-OMR double motor counterbalance valve

Manufacturer: Oleodinamica Marchesini
Manufacturer part number / published order designation: V0425
Published model: V0425

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: V0425

Manufacturer series image is representative.

No publication date inferred from upload path.

320 bar is the catalogue standard setting, not the maximum350 bar pressure rating or an individually measured delivered setting.

No customer-specific /P or /PP setting code generated.

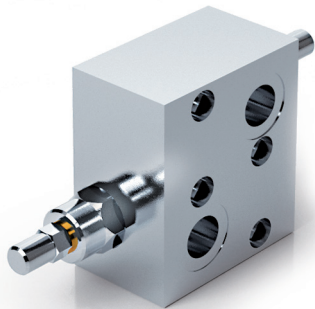
Source-page index

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.

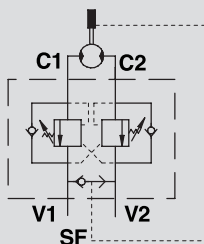
Source A: Oleodinamica Marchesini VBCDF DE OMP/OMR technical datasheet

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

VALVOLE DI BLOCCO E CONTROLLO MOVIMENTO FLANGIABILI
SU MOTORI DANFOSS SERIE OMP/OMR DOPPIO EFFETTO
DOUBLE OVERCENTRE VALVES FLANGEABLE
ON DANFOSS MOTORS OMP/OMR



SCHEMA IDRAULICO (con sbloccafreno - SF)
HYDRAULIC DIAGRAM (with brake release - SF)



IMPIEGO:
Valvola utilizzata per controllare il movimento e il blocco del motore in entrambe le direzione (DE) realizzando il movimento controllato del carico che non sfugge trascinato dal proprio peso, in quanto la valvola non consente alcuna cavitazione del motore.
La flangiatura diretta, adatta per motori Danfoss della serie OMP-OMR, garantisce la massima sicurezza, minime perdite di carico e compattezza d'installazione.

MATERIALI E CARATTERISTICHE:
Corpo: acciaio zincato.
Componenti interni: acciaio temprato termicamente e rettificato.
Guarnizioni: BUNA N standard.
Tenuta: trafilemento 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 al motore.

A RICHIESTA
• pressione di taratura diversa da quella standard.
• piombatura (CODICE/P000) e predisposizione alla piombatura (CODICE/PP).

PERDITE DI CARICO
PRESSURE DROP CURVE

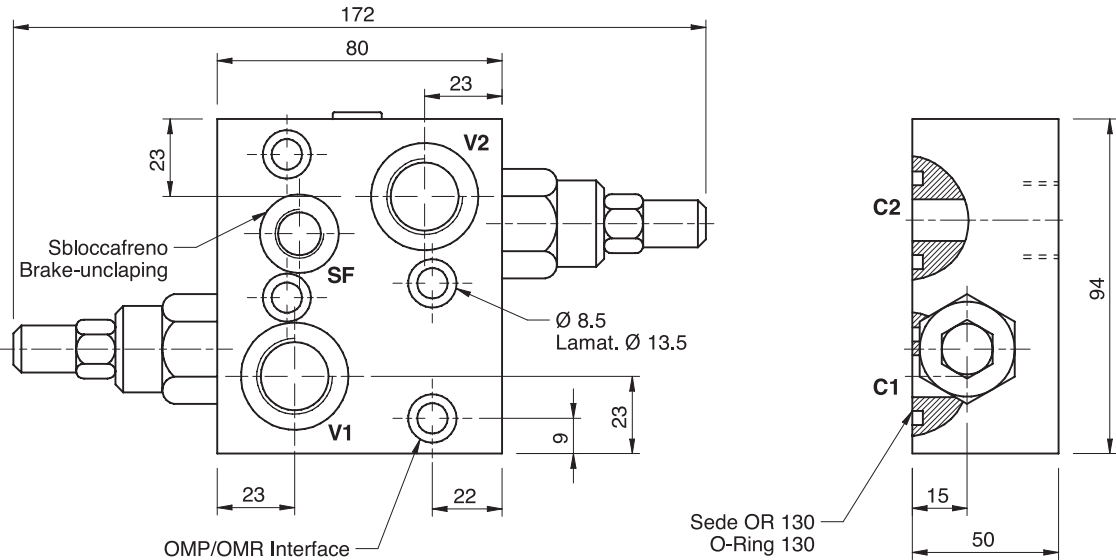
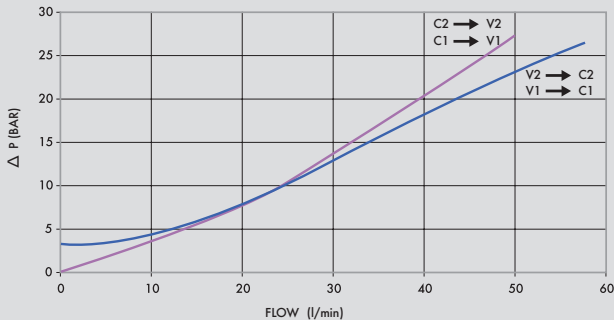
USE AND OPERATION:
These valves are used to control the motor rotation and block it in both directions. In order to have the load under control and avoid its inertia being carried away the valve will prevent any cavitation.
Direct flange is ideal for Danfoss type OMP-OMR motors and provides maximum safety, very low pressure drops and robust installation.

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 flange C1 and C2 directly to the engine.

ON REQUEST
• other pressure settings are available
• sealing cap (CODE/P000) and arrangement for sealing cap (CODE/PP)

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



CODICE CODE	SIGLA TYPE	V1 - V2 GAS	SF GAS	C1-C2 mm	PESO/ WEIGHT Kg
V0425	VBCDF 1/2" DE OMP-OMR	G 1/2"	-	Ø9	2,708
V0425/SF	VBCDF 1/2" DE OMP-OMR SF	G 1/2"	G 1/4"	Ø9	2,708