

Oleodinamica Marchesini V1220 VRSP 1/2 regenerative hydraulic valve

Manufacturer: Oleodinamica Marchesini
Manufacturer part number / published order designation: V1220
Published model: V1220

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: V1220

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.

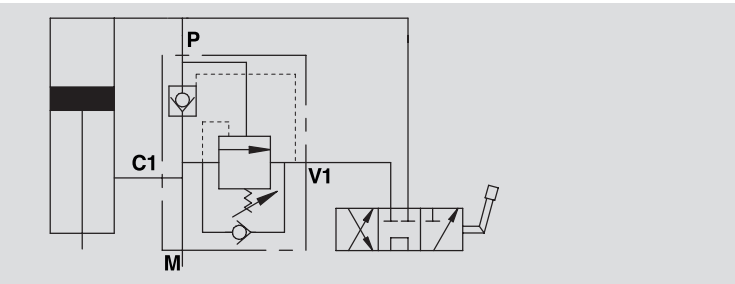
Source A: Oleodinamica Marchesini VRSP technical datasheet

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

VALVOLE RIGENERATRICI DI CIRCUITO
REGENERATIVE VALVES



SCHEMA IDRAULICO
HYDRAULIC DIAGRAM



IMPIEGO:
Questa valvola consente di recuperare l'olio che arriva a C1 dallo stelo e di mandarlo al fondello attraverso la bocca P, sommandolo alla portata della pompa. Quando la pressione nel fondello del cilindro raggiunge il valore di taratura, l'olio che arriva dallo stelo viene mandato al serbatoio attraverso la bocca V1, ripristinando così un sistema non rigenerativo con spinta massima.
La pressione di esclusione del rigenerativo dipende solo dalla pressione nel fondello del cilindro.

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

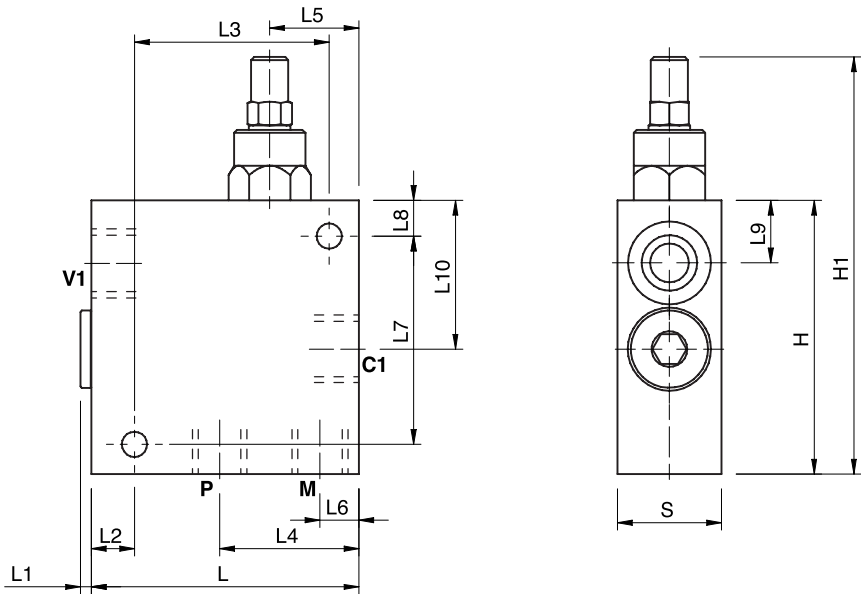
MONTAGGIO:
Collegare C1 allo stelo del cilindro, V1 all'alimentazione, P contemporaneamente al fondello del cilindro e all'alimentazione e M all'eventuale manometro.

USE AND OPERATION:
This valve allows the recovery the oil from port C1 connected to the rod side and pass it to the head side of the cylinder via port P, therefore adding it to the pump flow rate. When the cylinder head side pressure achieves the setting value, oil from the rod side is sent to tank through port V1, restoring a non-regenerative system with maximum force. The shut off pressure of the regenerative circuit depends only on the head side of the cylinder.

MATERIALS AND FEATURES:
Body: zinc-plated steel.
Internal parts: hardened and ground steel.
Seals: BUNA N standard.
Leakage: Minimal leakage.

CONNECTIONS:
Connect C1 to the cylinder rod side, V1 to the supply, P to the cylinder head side and to the supply, M to the pressure gauge if required.

CODICE CODE	SIGLA TYPE	RAPP. PILOT. PILOT RATIO	PORTATA MAX MAX FLOW Lt. / min	RANGE DI RIGENERAZIONE PRESSURE RANGE Bar	PRESSIONE MAX MAX PRESSURE Bar
V1220	VRSP 1/2"	1:4,5	60	50-100	350
V1230	VRSP 3/4"	1:5,5	95	60-110	350



CODICE CODE	SIGLA TYPE	V1-V2 C1-C2 GAS	M GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	L7 mm	L8 mm	L9 mm	L10 mm	H mm	H1 mm	S mm	PESO WEIGHT Kg.
V1220	VRSP 1/2"	G 1/2"	G 1/4"	90	4	10	70	49,5	30	16	70	12	21	50	92	142	35	2,026
V1230	VRSP 3/4"	G 3/4"	G 1/4"	105	4	10	85	59	37	20	85	12	22	62,5	120	177	40	3,496