Oleodinamica Marchesini V0364 VRAP 70/80 SE SV M plough overturning valve

Manufacturer: Oleodinamica Marchesini

Manufacturer part number / published order designation: V0364

Published model: V0364

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

Observed exact factory article, no generated option combinations.

Manufacturer image represents the series.

Supplied setting is separate from maximum pressure.

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.

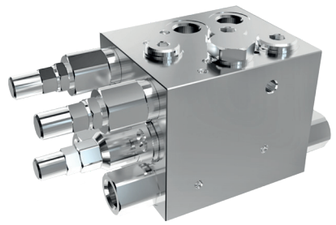
Source A: Oleodinamica Marchesini VRAP SE SV M technical datasheet

Original pages	Compiled pages	Relevant content
1	2	Complete applicable factory article row, circuit, installation and dimensions

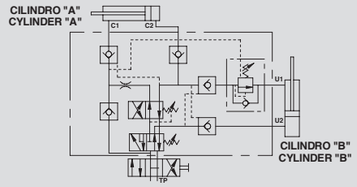
VALVOLE RIBALTAMENTO ARATRO CON ALLINEAMENTO DEL CARICO CON TRATTORE NEL SOLCO A SEMPLICE EFFETTO CON RETROMARCIA

SIMPLE ACTING PLOUGH OVERTURNING VALVE WITH ALIGNMENT FOR IN FARROW PLOUGHS WITH REVERSE

NEW



SCHEMA IDRAULICO
HYDRAULIC DIAGRAM



IMPIEGO:
Valvola realizzata per l'impiego di due cilindri in sequenza per aratri reversibili, in modo da ottenere automaticamente l'allineamento del carico e il suo ribaltamento. La rotazione del telaio avviene verso il basso dando la possibilità di dotare l'aratro di una ruota per il traino su strada. Sono state studiate 2 differenti calibrature di passaggio in funzione del diametro del cilindro su cui andranno montate.
Funzionamento: a inizio manovra parte il cilindro B di allineamento. Una volta arrivato a fine corsa parte il cilindro A di rotazione e completa la rotazione. Arrivato a questo punto il cilindro di allineamento riporta l'aratro in posizione di lavoro.
È possibile interrompere il ciclo di ribaltamento a qualunque punto e riportare l'aratro in posizione di lavoro

MATERIALI E CARATTERISTICHE:
Corpo: acciaio zincato.
Componenti interni: acciaio temprato termicamente e rettificato.
Guarnizioni: BUNA N standard.
Tenuta: a cono guidato. Non ammette trafilamenti. Le valvole vengono fornite con pressione di scambio di 150/160 Bar.

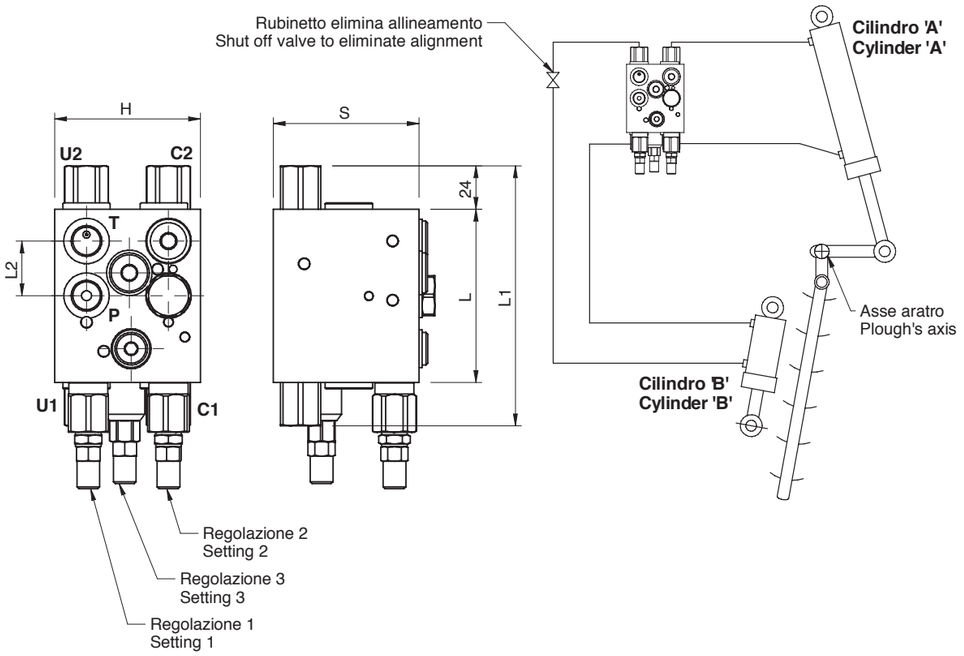
MONTAGGIO:
Collegare C1 allo stelo e C2 al fondello del cilindro di rotazione, U1 al fondello e U2 allo stelo del cilindro di allineamento e P e T alle prese macchina. Data la particolare configurazione, queste valvole possono essere montate in linea sul cilindro idraulico o fissate direttamente alla struttura dell'aratro tramite il foro filettato ricavato nel corpo.

USE AND OPERATION:
This valve has been designed for use with two cylinders in sequence for reversible plough to obtain the automatic alignment of load and its overturning. The rotation of the frame is upwards giving the possibility to equip the plough with a wheel for towing. Two different calibrated restrictors have been designed, depending on the diameter of the overturning cylinder, onto which the valves are fitted.
Operating instructions: first the alignment cylinder starts lining up the load.
Once it reaches the end of stroke, the overturning cylinder starts the rotation. Upon the completion of this the alignment cylinder takes the plough back into its working position.
It is possible to interrupt the overturning cycle at any point and retake the plough to the working position

MATERIALS AND FEATURES:
Body: zinc-plated steel. Internal parts: hardened and ground steel. Seals: BUNA N standard. Load holding: guided poppet, negligible leakage. These valves are supplied with exchange pressure at 150 bar: according to your requirements, pressure setting can be modified by adjusting the pressure regulator.

CONNECTIONS:
Connect C1 to the rod side, C2 to the head side of the rotation cylinder, U1 to the head side and U2 to the rod side of the alignment cylinder. P and T to the machine's suply. Thanks to its shape, it can be assembled in-line on the hydraulic cylinder or directly fixed onto the plough by the threaded hole in the valve body.

CODICE CODE	SIGLA TYPE	PRESSIONE MASSIMA DI SCAMBIO MAX EXCHANGE PRESSURE Bar	PRESSIONE MAX MAX PRESSURE Bar
V0364	VRAP 70/80 SE SV M	230	400
V0362	VRAP 80/100 SE SV M	230	400



CODICE CODE	SIGLA TYPE	C1-C2 U1 - U2 GAS	L mm	L1 mm	L2 mm	H mm	S mm	PESO WEIGHT Kg.
V0364	VRAP 70/80 SE SV M	G 3/8"	95	142	30	80	80	4,76
V0362	VRAP 80/100 SE SV M	G 3/8"	95	142	30	80	80	4,76