# Oleodinamica Marchesini V0358 VRAP 80/90 SV XL FS plough overturning valve

Manufacturer: Oleodinamica Marchesini

Manufacturer part number / published order designation: V0358

Published model: V0358

## 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.

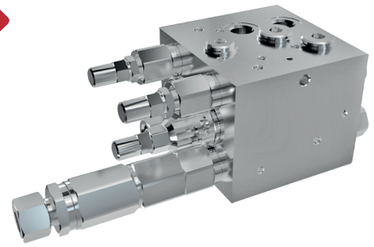
## Source A: Oleodinamica Marchesini VRAP SV XL FS technical datasheet


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

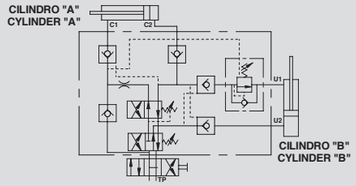
# VALVOLE RIBALTAMENTO ARATRO CON ALLINEAMENTO DEL CARICO CON TRATTORE FUORI SOLCO CON RETROMARCIA

## DOUBLE ACTING PLOUGH OVERTURNING VALVE WITH ALIGNMENT FOR ON LAND 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. 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 rovesciamento e completa la rotazione. Arrivato a questo punto il cilindro B 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 Bar.

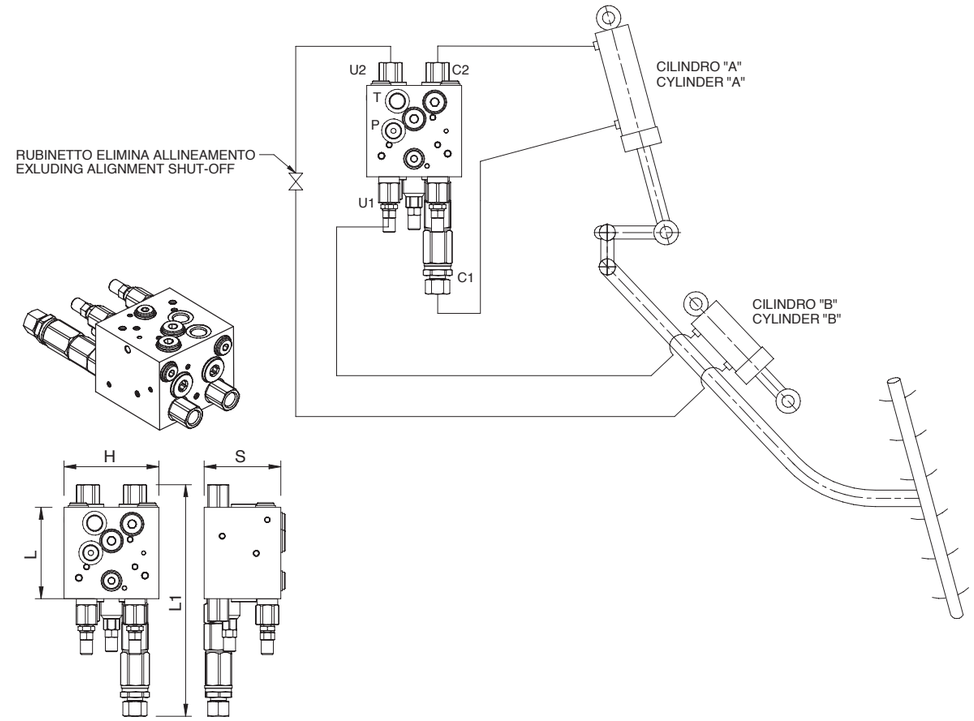
**MONTAGGIO:**
Collegare C1 allo stelo e C2 al fondello del cilindro A, U1 al fondello e U2 allo stelo del cilindro B di allineamento e P e T alle prese macchina. Data la particolare configurazione, queste valvole possono essere montate in linea sul cilindro idraulico o fissate direttamente alla struttura 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.
**Operating instructions**: first the alignment cylinder B starts lining up the load.
Once it reaches the end of stroke, the overturning cylinder A starts the rotation.
Upon the completion of this the alignment cylinder B 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.

**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<br>CODE | SIGLA<br>TYPE | PRESSIONE MASSIMA DI SCAMBIO<br>MAX EXCHANGE PRESSURE<br>Bar | PRESSIONE MAX<br>MAX PRESSURE<br>Bar |
|---|---|---|---|
| **V0358** | VRAP 80/90 SV XL FS | 230 | 400 |
| **V0359** | VRAP 110/130 SV XL FS | 230 | 400 |




| CODICE<br>CODE | SIGLA<br>TYPE | C2<br>U1 - U2<br>GAS | C1<br>GAS | L<br>mm | L1<br>mm | H<br>mm | S<br>mm | PESO<br>WEIGHT<br>Kg. |
|---|---|---|---|---|---|---|---|---|
| **V0358** | VRAP 80/90 SV XL FS | G 3/8" | 12L | 95 | 241 | 100 | 80 | 6,28 |
| **V0359** | VRAP 110/130 SV XL FS | G 3/8" | 12L | 95 | 241 | 100 | 80 | 6,28 |