Oleodinamica Marchesini V0646/120 compact in-line sequence valve

Manufacturer: Oleodinamica Marchesini

Manufacturer part number / published order designation: V0646/120

Published model: V0646/120

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

Current visible original range list30-120/30-140/50-140/80-250 matches actualsupplier. Hidden older20-120/20-230/230-350 text not assigned. Sourceimage proof required.

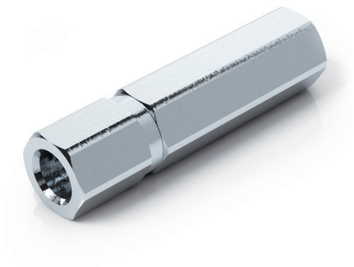
Source-page index

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.

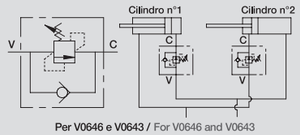
Source A: Oleodinamica Marchesini VSQL exact execution reference

Original pages	Compiled pages	Relevant content
1	2	Original applicable size/kit row, actual NPT/range option legend, circuit and installation drawing; reference-only BSP data qualified on index

VALVOLE DI SEQUENZA AD AZIONE DIRETTA IN LINEA COMPATTA
IN LINE DIRECT ACTING SEQUENCE VALVES



SCHEMA IDRAULICO
HYDRAULIC DIAGRAM



SCHEMA DI MONTAGGIO
APPLICATION CIRCUIT

IMPIEGO:
Valvola utilizzata principalmente per far funzionare in sequenza due cilindri: al raggiungimento di un determinato valore di taratura, la valvola si apre e va ad alimentare un secondo attuatore. La valvola di ritegno permette il libero passaggio del flusso nella direzione opposta. È indicata in impianti dove la pressione sull'attuatore secondario sia limitata, in quanto le pressioni si sommano.

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

MONTAGGIO:
Collegare C al cilindro e V all'alimentazione.
Per l'impiego con due attuatori seguire le indicazioni di montaggio illustrate nello schema.

A RICHIESTA
- Molle per diversi campi di taratura (vedi tabelle)
- Pressioni di taratura specifiche (CODICE/T 000 specificando il valore di taratura)

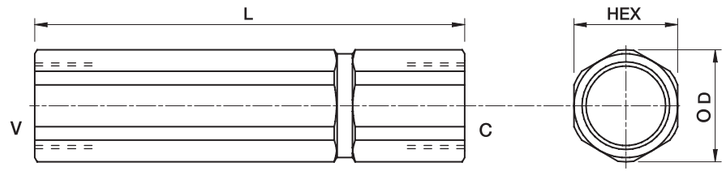
USE AND OPERATION:
Sequence valve is used to feed 2 cylinders in sequence: it provides flow to the secondary circuit when a primary circuit function has been completed reaching the pressure setting. Return flow is free. It's ideal for circuits with low pressure on the secondary actuator as the pressures are added together.

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

CONNECTIONS:
Connect C to the cylinder and V to the supply.
For the installation on two cyliniders follow the mounting instructions shown in the application circuit.

ON REQUEST
- different setting range (see the table)
- other setting available (CODE/T000 please specify the desired setting)

CODICE / CODE	SIGLA / TYPE	PORTATA MAX / MAX FLOW	PRESSIONE MAX / MAX PRESSURE
V0646/000	VSQL 3/8"	40	350
V0643/000	VSQL 1/2"	80	350
V0645/000	VSQL 3/4"	120	350



CODICE / CODE	SIGLA / TYPE	C - V / GAS	L / mm	HEX / mm	D / mm	PESO/ WEIGHT / Kg
V0646/000	VSQL 3/8"	3/8"	96	24	26,5	0,290
V0643/000	VSQL 1/2"	1/2"	124	32	34,5	0,589
V0645/000	VSQL 3/4"	3/4"	124	42	34,5	1,079

PRESSURE RANGE
V0646 : 30-120 bar
V0643 : 30-140 bar
V0645 : 50-140 bar E 80-250 bar