Oleodinamica Marchesini V0642/180 VSQAPP 3/8 pressure-compensated sequence valve

Manufacturer: Oleodinamica Marchesini

Manufacturer part number / published order designation: V0642/180

Published model: V0642/180

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: V0642/180

Manufacturer series image is representative; original drawing defines the execution.

No publication date inferred from upload path.

Catalogue defaults do not replace checking actual valve settings.

Source-page index

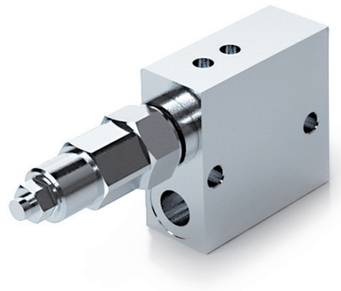
Source page numbers below are physical pages of each complete original PDF. The original printed page labels and technical content remain unchanged. Compiled page numbers count this cover/index.

Source A: Oleodinamica Marchesini VSQAPP technical datasheet

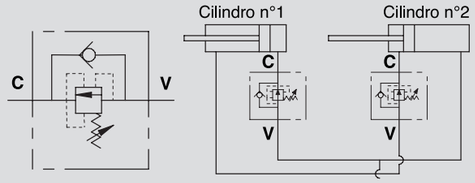
Original pages	Compiled pages	Relevant content
1	2	Complete relevant manufacturer code/ratings table, circuit, drawing, curves and original conditions

VALVOLE DI SEQUENZA AD ANNULLAMENTO PRESSIONE PRIMARIA

SEQUENCE VALVES WITH PRIMARY PRESSURE COMPENSATION



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. E' insensibile alle contropressioni, pertanto consente di utilizzare la pressione impostata dall'impianto per azionare entrambi gli attuatori.

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 reached the pressure setting. Reverse flow is free. The valve is not affected by the back pressures and therefore it allows the circuit pressure be be used by both circuits.

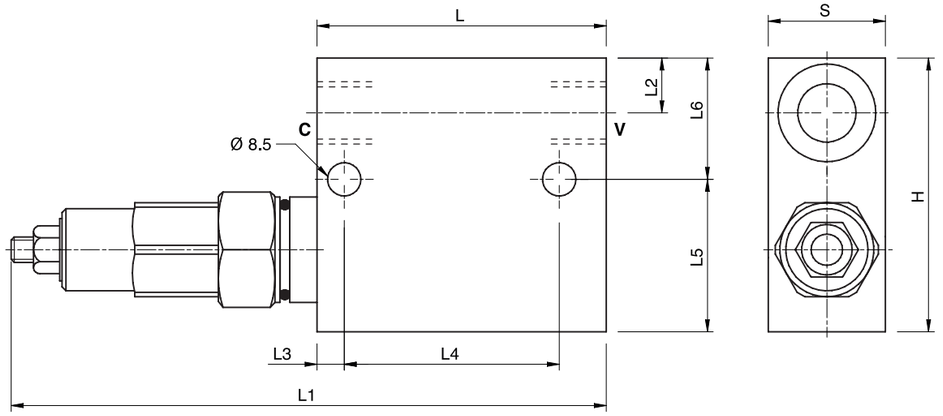
MATERIALS AND FEATURES:
Body: zinc-plated steel.
Internal parts: hardened and ground steel.
Seals: BUNA N standard.
Leakage: Guided poppet - negligible leakage.

APPLICATIONS:
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)

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

CODICE CODE	SIGLA TYPE	PORTATA MAX MAX FLOW Lt. / min	PRESSIONE MAX MAX PRESSURE Bar
V0642	VSQAPP 3/8"	35	350
V0662	VSQAPP 1/2"	70	350
V0667	VSQAPP 3/4"	110	400



REGOLAZIONE - ADJUSTEMENT

CODICE/V • CODE/V — Volantino • Handknob
CODICE/PP • CODE/PP — Predisposizione alla piombatura • Arranged for sealing cap
CODICE/P • CODE/P — Piombatura • Sealing cap

CODICE CODE	SIGLA TYPE	C - V GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	H mm	S mm	PESO/ WEIGHT Kg
V0642	VSQAPP 3/8"	G 3/8"	74	156	14	7	55	39	31	70	30	1,250
V0662	VSQAPP 1/2"	G 1/2"	80	162	15	7	55	37	33	70	30	1,280
V0667	VSQAPP 3/4"	G 3/4"	100	192	20	10	80	50	50	100	40	2,844

MOLLE - SPRINGS (3/8" - 1/2")

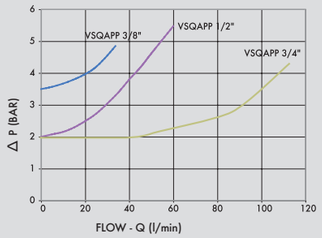
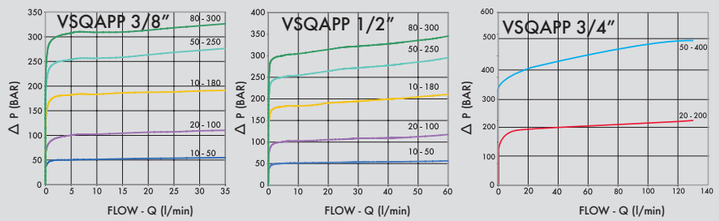
Campo di taratura Setting range (bar)	Incremento bar per giro Pressure increase (bar/turn) Q= 4l/min	Taratura standard Standard setting (bar)
10 - 50*	7	30
20 - 100	12	75
10 - 180 standard	30	90
50 - 250	45	130
80 - 300	50	150

MOLLE - SPRINGS (3/4")

Campo di taratura Setting range (bar)	Incremento bar per riga Pressure increase (bar/turn) Q= 4l/min	Taratura standard Standard setting (bar)
20 - 200	40	160
50 - 400 standard	80	180

*Per tarature inferiori a 70 Bar: Q = 12 l/min
*For setting less than 70 Bar: Q = 12 l/min

PERDITE DI CARICO
PRESSURE DROP CURVE



PRESSIONE/PORTATA
PRESSURE/FLOW