

Oleodinamica Marchesini V0455/SF180 supplier-listed AG-AR relief valve

Manufacturer: Oleodinamica Marchesini

Manufacturer part number / published order designation: V0455/SF180

Published model: V0455/SF180

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

V0455/SF180 is an observed supplier order designation. Current/retained manufacturer originals identify base V0455 VAU AG-AR only, not an exact SF execution. Brake release is supplier-stated; the legacy diagram caption does not certify a labelled SF outlet or circuit. No base ratings, settings, mass, dimensions, port mapping or bolt arrangement certify this SF article.

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: Complete original base-family reference only; not an exact full-code rating, circuit or dimensional certificate.

Original pages	Compiled pages	Relevant content
1	2	Complete original base-family reference only; not an exact full-code rating, circuit or dimensional certificate.

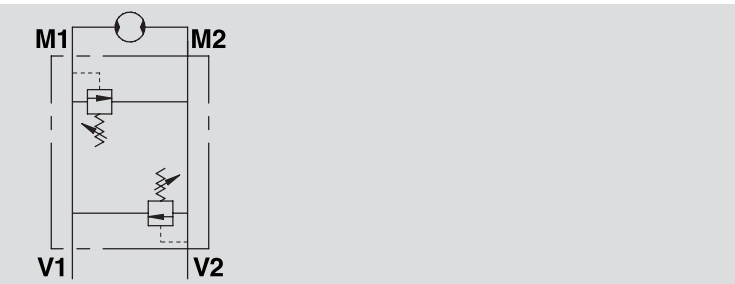
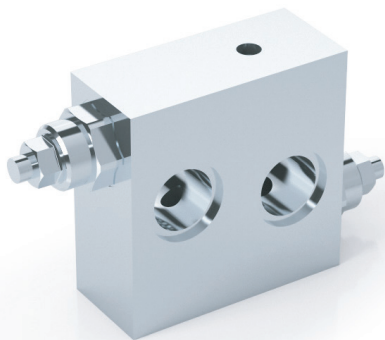
Source B: Genuine earlier manufacturer original linked by actual Hydrabuy base-family own offer. Visible brake-release caption does not provide exact SF row or labelled SF outlet. Not proof of exact SF circuit.

Supplemental stage/component reference; not a complete assembly drawing.

Original pages	Compiled pages	Relevant content
1-2	3-4	Genuine earlier manufacturer original linked by actual Hydrabuy base-family own offer. Visible brake-release caption does not provide exact SF row or labelled SF outlet. Not proof of exact SF circuit.

VALVOLE ANTIURTO FLANGIABILI SU MOTORI
SAMHYDRAULIK SERIE AG-AR
DUAL CROSS LINE RELIEF VALVES FLANGEABLE
ON SAMHYDRAULIK MOTORS AG-AR

SCHEMA IDRAULICO
HYDRAULIC DIAGRAM



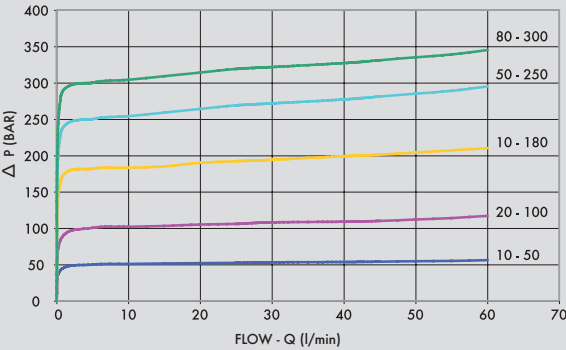
IMPIEGO:
Costituite da due valvole di massima pressione con scarico incrociato, sono utilizzate per limitare la pressione in entrambi i rami di un attuatore o motore idraulico ad un determinato valore di taratura. La flangiatura diretta, adatta per motori Samhydraulik della serie AG-AR, garantisce la massima sicurezza, minime perdite di carico e compattezza d'installazione.

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

MONTAGGIO:
Flangiare M1 e M2 direttamente al motore tramite i bulloni forati (a richiesta) e collegare V1 e V2 all'alimentazione.

A RICHIESTA
• molle per diversi campi di taratura (vedi tabella)
• pressione di taratura diversa da quella standard (CODICE/T000 specificando il valore di taratura)

PRESSIONE / PORTATA
PRESSURE / FLOW



USE AND OPERATION:
Made up by two cross port relief valves, these valves are used to limit the pressure in the ports of a hydraulic motor to a certain setting. Direct flange mounting for Samhydraulik motors type AG-AR provides maximum safety, very low pressure drop and a robust installation.

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

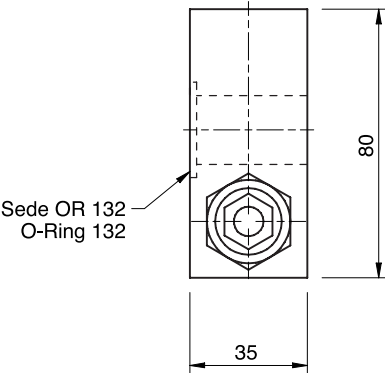
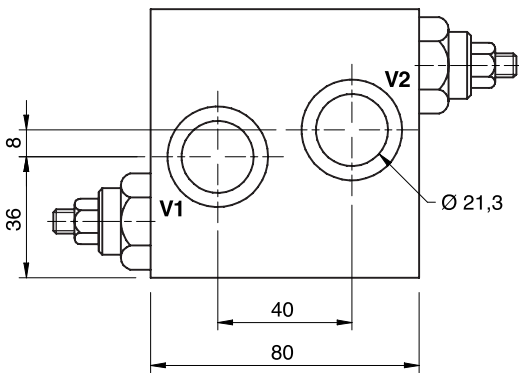
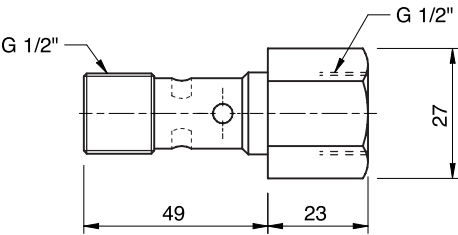
CONNECTIONS:
Flange M1 and M2 directly to the motor by bolts (available on request) and connect ports V1 and V2 to the supply.

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 FLOW Bar
V0455	VAU 1/2" AG - AR	60	350
CR01058Z	VITE 1/2"	-	350

VITE NON FORNITA
SCREW NOT SUPPLIED



CODICE CODE	SIGLA TYPE	PESO/ WEIGHT Kg
V0455	VAU 1/2" AG - AR	1,480

MOLLE - SPRINGS

Campo di taratura Setting range (bar)	Incremento 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

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

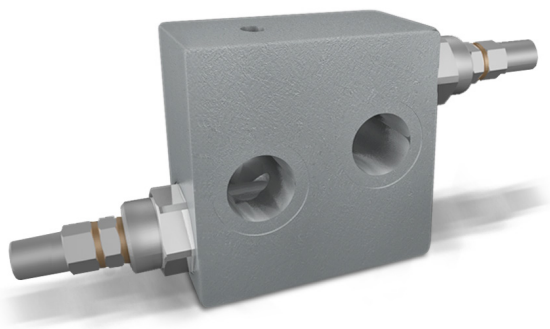
REGOLAZIONE - ADJUSTMENT

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

VALVOLA ANTIURTO FLANGIABILE SU MOTORI SAMHYDRAULIK SERIE AG - AR

TIPO / TYPE

VAU AG-AR

SCHEMA IDRAULICO (con sbloccafreno)
HYDRAULIC DIAGRAM (with brake unclapping)**IMPIEGO:**

Costituite da due valvole di massima pressione con scarico incrociato, sono utilizzate per limitare la pressione in entrambi i rami di un attuatore o motore idraulico ad un determinato valore di taratura. Trovano il miglior impiego sia come valvole antishock sia per regolare i due rami di un circuito idraulico a diversi valore di pressione. La flangiatura diretta, adatta per motori Samhydraulik della serie AG-AR, garantisce la massima sicurezza, minime perdite di carico e compattezza d'installazione.

MATERIALI E CARATTERISTICHE:

Corpo: acciaio zincato

Componenti interni: acciaio temprato termicamente e rettificato

Guarnizioni: BUNA N standard

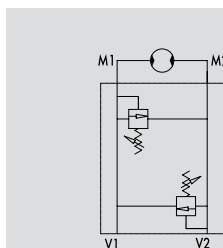
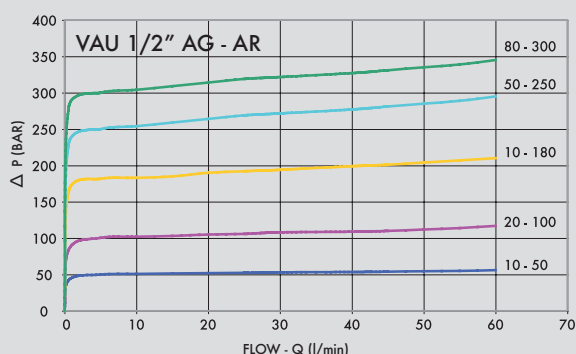
Tenuta: a cono guidato. Trafilamento trascurabile

MONTAGGIO:

Flangiare M1 e M2 direttamente al motore tramite i bulloni forati in dotazione e collegare V1 e V2 all'alimentazione.

A RICHIESTA

- molle per diversi campi di taratura (vedi tabella)
- pressione di taratura diversa da quella standard (CODICE/T000 specificando il valore di taratura)

PERDITE DI CARICO**PRESSURE DROPS CURVE**

DUAL CROSS RELIEF VALVE FLANGEABLE ON SAMHYDRAULIK MOTORS AG - AR

USE AND OPERATION:

Made up by 2 relief valves with crossed tank, this valve is used to block pressure to a certain setting in the 2 ports of an actuator/hydraulic motor. It's ideal to provide protection against sudden shock pressures and to adjust different pressures in the 2 ports of an hydraulic circuit as well. Direct flange is ideal for Samhydraulik motors type AG-AR and provides a maximum safety, very low pressure drops and solid installation.

MATERIALS AND FEATURES:

Body: zinc-plated steel.

Internal parts: hardened and ground steel.

Seals: BUNA N standard

Poppet type: minor leakage

APPLICATIONS:

Flange M1 and M2 directly to the motor and connect ports V1 and V2 to pressure flow.

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

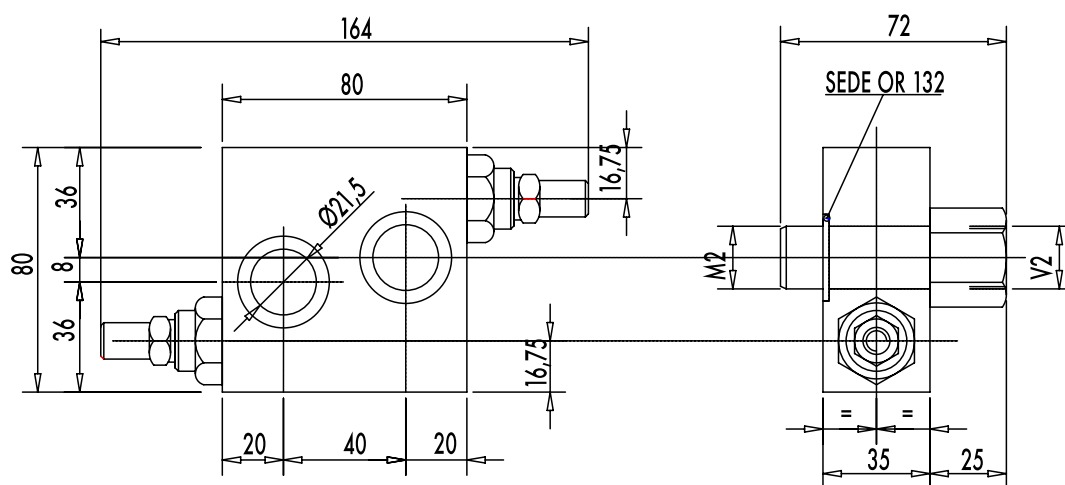
SIGLA
TYPE

PORTATA MAX
MAX FLOW
Lt. / min

V0455

VAU 1/2" AG - AR

60



5

CODICE
CODE

SIGLA
TYPE

V2 - M2

GAS

PESO/
WEIGHT

Kg

V0455

VAU 1/2" AG - AR

G 1/2"

1,480

MOLLE - SPRINGS

Campo di taratura Setting range (bar)	Incremento bar per riga 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

REGOLAZIONE - ADJUSTEMENT

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

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