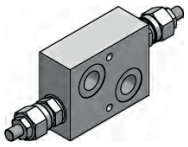
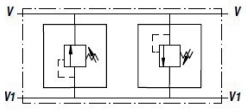
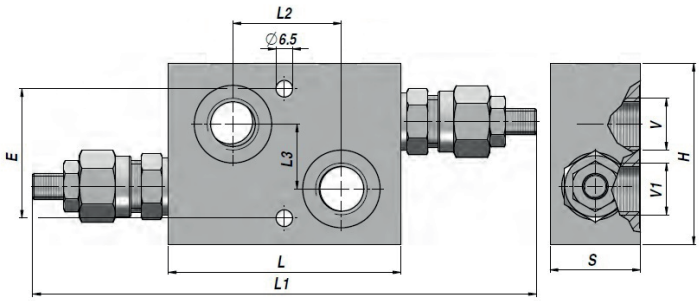
VALVE ANTICHOC DOUBLE
DUAL CROSS-OVER RELIEF VALVE

VAIL 5







Code *Code*	V BSP	V1 BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1 max	L2	L3	E	H	S	kg
V140021102	3/8"	3/8"	25	210	VAIL 5-38/TS.S	70	190	34	23	50	70	35	0,67
V140021152	1/2"	1/2"	35	210	VAIL 5-12/TS.S	75	195	33	23	50	70	35	0,63

RESSORT - *SPRING* : A= 5:40 bar - **B= 50:220 bar (Standard)** - C= 180:350 bar (pour ,,,/TS.S/ac Acier - *Steel*)

REGLAGE - *SETTING* : Vis+protection - *Screw + protection cup*

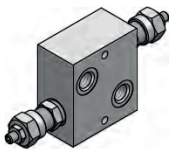


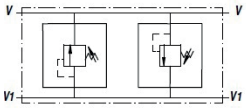
SUR DEMANDE - *ON REQUEST* : ACIER - *STEEL* (,,,/TS.S/ac - 350 bar)

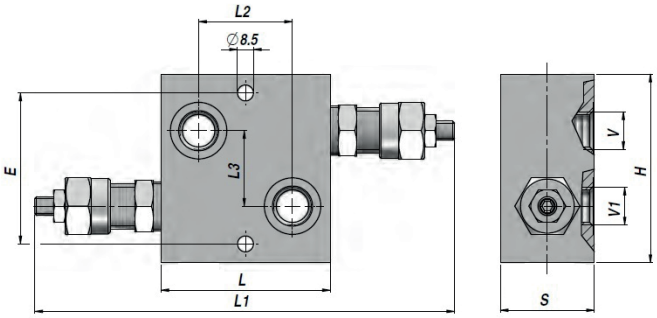
MATERIEL CORPS : ALUMINIUM — MONTAGE EN LIGNE
BODY MATERIAL : *ALUMINIUM* — *LINE MOUNTING*

VALVE ANTICHOC DOUBLE
DUAL CROSS-OVER RELIEF VALVE

VAIL 10







Code *Code*	V BSP	V1 BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1 max	L2	L3	E	H	S	kg
V140031102	1/2"	1/2"	70	210	VAIL 10-12/TS.S	90	224	50	32	65	82	40	1,12
V140031152	3/4"	3/4"	70	210	VAIL 10-34/TS.S	90	224	50	32	65	82	40	1,1

RESSORT - *SPRING* : A= 5:40 bar - **B= 50:220 bar (Standard)** - C= 180:350 bar (pour ,,,/TS.S/ac Acier - *Steel*)

REGLAGE - *SETTING* : Vis+protection - *Screw + protection cup*



SUR DEMANDE - *ON REQUEST* : ACIER - *STEEL* (,,,/TS.S/ac - 350 bar)

MATERIEL CORPS : ALUMINIUM — MONTAGE EN LIGNE
BODY MATERIAL : *ALUMINIUM* — *LINE MOUNTING*

La société peut apporter toute modification au produit sans avis préalable.
The company reserves the right to modify the product at any time without prior notice.



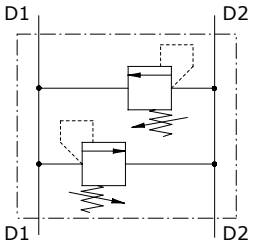
Type VAIL
pressure relief valves

• Double antishock direct acting relief valve

Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C *(104°F)* temperature.

	VAIL 5-38	VAIL 5-12	VAIL 10-12	VAIL 10-34	VAIL 20-34	VAIL 20-100
Nominal flow	25 l/min *(6.6 US gpm)*	35 l/min *(9.2 US gpm)*	70 l/min *(18.4 US gpm)*	70 l/min *(18.4 US gpm)*	100 l/min *(26.4 US gpm)*	120 l/min *(31.7 US gpm)*
Max. pressure	Aluminium body = 210 bar *(3050 psi)* Steel body = 350 bar *(5100 psi)*					
Oil leakage at 80% of max. setting	3 cm^3/min *(0.18 in^3/min)*					
Fluid	mineral based oil					
Viscosity	from 10 to 200 cSt					
Max. level of contamination	18/16/13 ISO4406					
Fluid temperature	*with NBR seals* from -20°C *(-4°F)* to 80°C *(176°F)*					
Environmental temp. for working conditions	from -40°C *(-40°F)* to 100°C *(212°F)*					
Weight *aluminium*	0.67 kg *(1.48 lb)*	0.69 kg *(1.52 lb)*	1.12 kg *(2.47 lb)*	1.10 kg *(2.43 lb)*	1.87 kg *(4.12 lb)*	1.85 kg *(4.08 lb)*
Weight *steel*	1.31 kg *(2.89 lb)*	1.35 kg *(2.98 lb)*	2.20 kg *(4.85 lb)*	2.11 kg *(4.65 lb)*	3.55 kg *(7.83 lb)*	3.93 kg *(8.66 lb)*

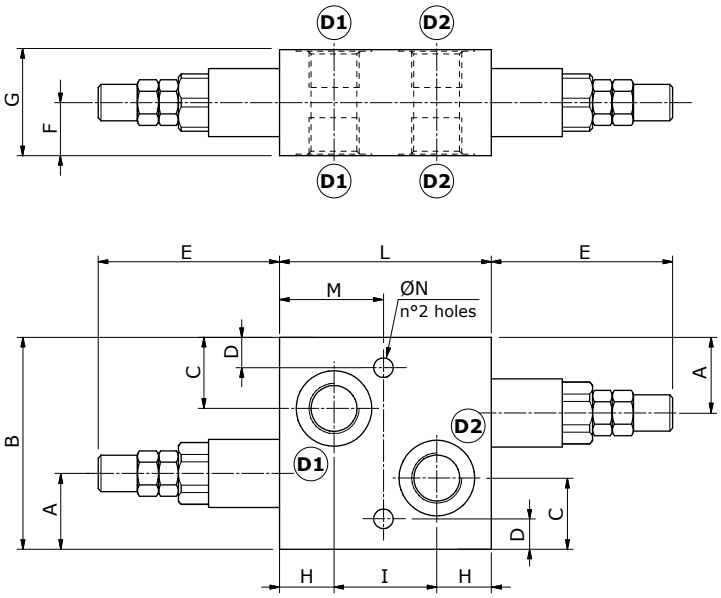
NOTE - For different conditions, please contact Sales Dpt.



Dimensions

Valve type	All ports
VAIL 5-38	G3/8
VAIL 5-12	G1/2
VAIL 10-12	G1/2
VAIL 10-34	G3/4
VAIL 20-34	G3/4
VAIL 20-100	G1

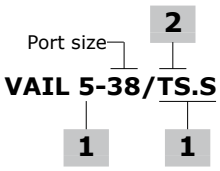
Valve type	All ports
VAIL 5-38/SAE	SAE8
VAIL 5-12/SAE	SAE10
VAIL 10-12/SAE	SAE10
VAIL 10-34/SAE	SAE12
VAIL 20-34/SAE	SAE12
VAIL 20-100/SAE	SAE16

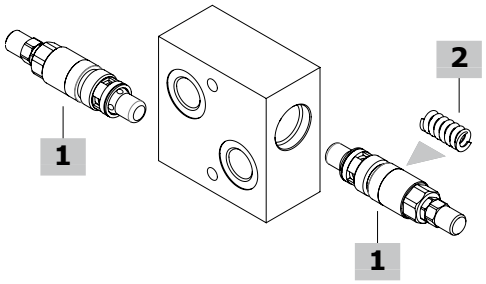


Dimensions are in mm-*in*

Valve type	A	B	C	D	E	F	G	H	I	L	M	ØN
VAIL 5-38 **VAIL 5-38/SAE**	25-*0.98*	70-*2.75*	23.5-*0.92*	10-*0.39*	60-*4.92*	17.5-*0.69*	35-*1.38*	18-*0.70*	34-*1.34*	70-*2.75*	35-*1.38*	6.5-*0.25*
VAIL 5-12 **VAIL 5-12/SAE**	25-*0.98*	70-*2.75*	23.5-*0.92*	10-*0.39*	60-*4.92*	17.5-*0.69*	35-*1.38*	18-*0.70*	39-*1.53*	75-*2.95*	37.5-*1.48*	6.5-*0.25*
VAIL 10-12 **VAIL 10-12/SAE**	29-*1.41*	82-*3.23*	25-*0.98*	8.5-*0.33*	67-*2.64*	20-*0.79*	40-*1.57*	20-*0.79*	50-*1.97*	90-*3.54*	45-*1.77*	8.5-*0.33*
VAIL 10-34 **VAIL 10-34/SAE**	29-*1.41*	82-*3.23*	25-*0.98*	8.5-*0.33*	67-*2.64*	20-*0.79*	40-*1.57*	20-*0.79*	50-*1.97*	90-*3.54*	45-*1.77*	8.5-*0.33*
VAIL 20-34 **VAIL 20-34/SAE**	31.5-*1.84*	95-*3.74*	30.5-*1.2*	10-*0.39*	76.5-*3.01*	25-*0.98*	50-*1.97*	22-*0.87*	56-*2.20*	100-*3.93*	50-*1.97*	8.5-*0.33*
VAIL 20-100 **VAIL 20-100/SAE**	31.5-*1.84*	95-*3.74*	30.5-*1.2*	10-*0.39*	76.5-*3.01*	25-*0.98*	50-*1.97*	32-*1.26*	56-*2.20*	120-*4.72*	60-*2.36*	8.5-*0.33*

Ordering codes and description composition





VAIL complete valves

With direct acting valves: standard setting 160 bar @ 5 l/min (2300 psi at 1.32 US gpm)

TYPE	CODE	DESCRIPTION
Configuration with G3/8 standard thread		
VAIL 5-38/TS.S	1140021102	Aluminium body, range 50-220 bar *(725-3200 psi)*
VAIL 5-38/TS.S/ac	1140022100	Steel body, as previous one
Configuration with G1/2 standard thread		
VAIL 5-12/TS.S	1140021152	Aluminium body, setting range 50-220 bar *(725-3200 psi)*
VAIL 5-12/TS.S/ac	1140022150	Steel body, as previous one
VAIL 10-12/TS.S	1140031102	Aluminium body, setting range 50-220 bar *(725-3200 psi)*
VAIL 10-12/TS.S/ac	1140032101	Steel body, as previous one
Configuration with G3/4 standard thread		
VAIL 10-34/TS.S	1140031152	Aluminium body, setting range 50-220 bar *(725-3200 psi)*
VAIL 10-34/TS.S/ac	1140032150	Steel body, as previous one
VAIL 20-34/TS.S	1140041102	Aluminium body, setting range 50-220 bar *(725-3200 psi)*
VAIL 20-34/TS.S/ac	1140042101	Steel body, as previous one
Configuration with G1" standard thread		
VAIL 20-100/TS.S	1140041152	Aluminium body, setting range 50-220 bar *(725-3200 psi)*
VAIL 20-100/TS.S/ac	1140042151	Steel body, as previous one
Configuration with SAE8 standard thread		
VAIL 5-38/TS.S/SAE	1140021200	Aluminium body, range 50-220 bar *(725-3200 psi)*
Configuration with SAE10 standard thread		
VAIL 5-12/TS.S/SAE	1140021250	Aluminium body, setting range 50-220 bar *(725-3200 psi)*
VAIL 10-12/TS.S	1140031200	Aluminium body, setting range 50-220 bar *(725-3200 psi)*
Configuration with SAE12 standard thread		
VAIL 10-34/TS.S/SAE	1140031250	Aluminium body, setting range 50-220 bar *(725-3200 psi)*
VAIL 20-34/TS.S/SAE	1140041200	Aluminium body, setting range 50-220 bar *(725-3200 psi)*
Configuration with SAE16 standard thread		
VAIL 20-100/TS.S/SAE	1140041250	Aluminium body, setting range 50-220 bar *(725-3200 psi)*

For other steel body configurations, SAE thread and configurations with FPM (Viton) seals please contact our Sales Dpt.

1 Direct acting pressure relief valves

Standard setting 160 bar @ 5 l/min (2300 psi at 1.32 US gpm)

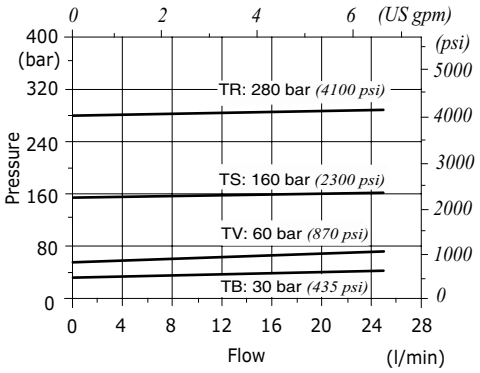
TYPE	CODE	DESCRIPTION
For G1/2 and G3/4 ports configuration		
VMP 5/TS.S	1100520400	Setting range 50-220 bar *(725-3200 psi)*
VMP 10/TS.S	1100530400	Setting range 50-220 bar *(725-3200 psi)*
For G3/4 and G1" ports configuration		
VMP 20/TS.S	1100540400	Setting range 50-220 bar *(725-3200 psi)*

2 Pressure setting spring

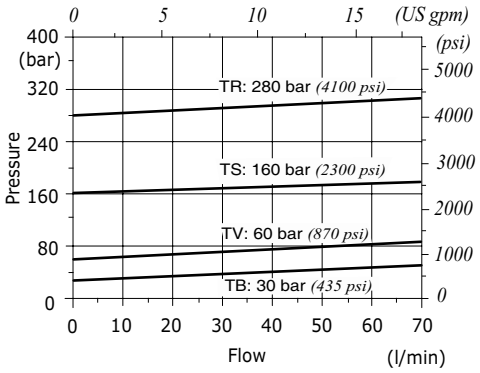
CODE	TYPE	DESCRIPTION
For VMP 5 valve		
TB	3MOL314311	Setting range 5-40 bar *(72.5-580 psi)*
TV	3MOL314330	Setting range 20-80 bar *(290-1160 psi)*
TS	3MOL315330	Setting range 50-220 bar *(725-3200 psi)*
TR	3ML1143600	Setting range 180-350 bar *(2600-5100 psi)*
For VMP 10 valve		
TB	3ML1154100	Setting range 5-40 bar *(72.5-580 psi)*
TV	3ML1154300	Setting range 20-80 bar *(290-1160 psi)*
TS	3ML1164200	Setting range 50-220 bar *(725-3200 psi)*
TR	3ML1164400	Setting range 180-350 bar *(2600-5100 psi)*
For VMP 20 valve		
TB	3MOL316410	Setting range 5-40 bar *(72.5-580 psi)*
TV	3ML1154300	Setting range 20-80 bar *(290-1160 psi)*
TS	3MOL317420	Setting range 50-220 bar *(725-3200 psi)*
TR	3MOL317440	Setting range 180-350 bar *(2600-5100 psi)*

Rating diagrams

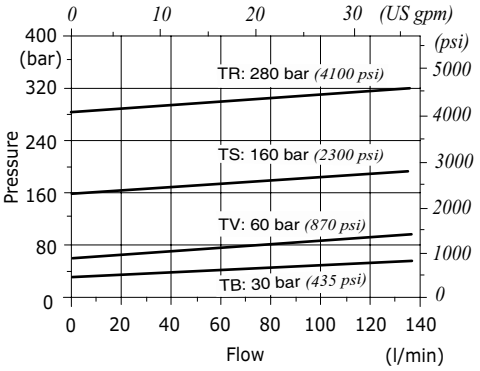
VAIL 5 pressure vs. flow
Std. setting @ 5 l/min *(1.32 US gpm)*



VAIL 10 pressure vs. flow
Std. setting @ 5 l/min *(1.32 US gpm)*

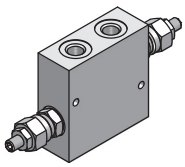


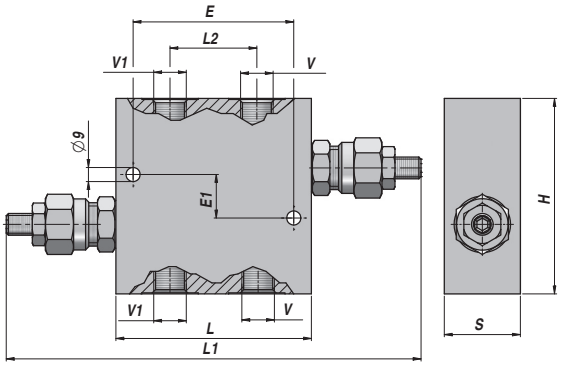
VAIL 20 pressure vs. flow
Std. setting @ 5 l/min *(1.32 US gpm)*

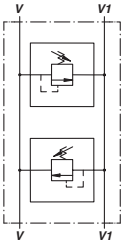


VBDC 35

VALVE ANTICHOC DOUBLE
DUAL CROSS-OVER RELIEF VALVE







Code *Code*	V BSP	V1 BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1	L2	E	E1	H	S	kg
VAG022.0320B1	3/8"	3/8"	35	350	VBDC A35-020-B1	90	218	40	74	20	90	35	0,80
VAG022.0330B1	1/2"	1/2"	35	350	VBDC A35-030-B1	90	218	40	74	20	90	35	0,80

RESSORT - *SPRING* : A= 5:50 bar - **B= 40:210 bar (Standard)** - C= 100:350 bar

REGLAGE - *SETTING* :
1= Vis - *Screw* (Standard)
2= Volant - *Knob*
3= Vis+protection - *Screw + protection cup*


1

2

3

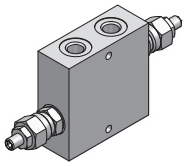
SUR DEMANDE - *ON REQUEST* : ACIER - *STEEL* (VBDC-S - 400 bar)

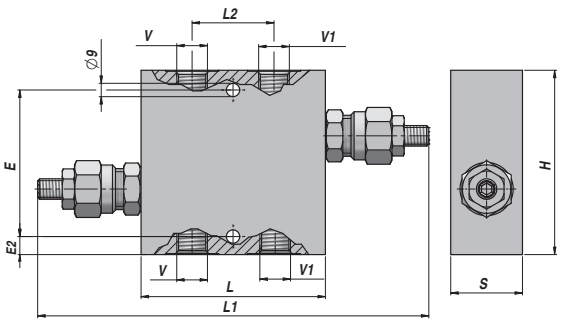
MATERIEL CORPS : ALUMINIUM
BODY MATERIAL : ALUMINIUM

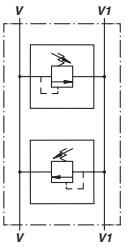
MONTAGE EN LIGNE
LINE MOUNTING

VBDC 80

VALVE ANTICHOC DOUBLE
DUAL CROSS-OVER RELIEF VALVE







Code *Code*	V BSP	V1 BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1	L2	E	E1	H	S	kg
VAG022.0830B1	1/2"	1/2"	80	260	VBDC A80-030-B1	94	250	38	65	-	100	40	1,65
VAG022.0840B1	3/4"	3/4"	80	260	VBDC A80-040-B1	94	250	38	65	-	100	40	1,60

RESSORT - *SPRING* : A= 5:50 bar - **B= 20:260 bar (Standard)** - C= 120:350 bar

REGLAGE - *SETTING* :
1= Vis - *Screw* (Standard)
2= Volant - *Knob*
3= Vis+protection - *Screw + protection cup*


1

2

3

SUR DEMANDE - *ON REQUEST* : ACIER - *STEEL* (VBDC-S - 400 bar)

MATERIEL CORPS : ALUMINIUM
BODY MATERIAL : ALUMINIUM

MONTAGE EN LIGNE
LINE MOUNTING

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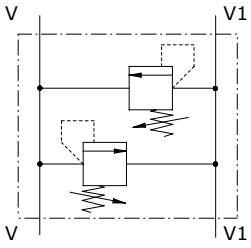
Type VBDC..35 - VBDC..80
pressure relief valves

• Dual cross relief valve

Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C *(104°F)* temperature.

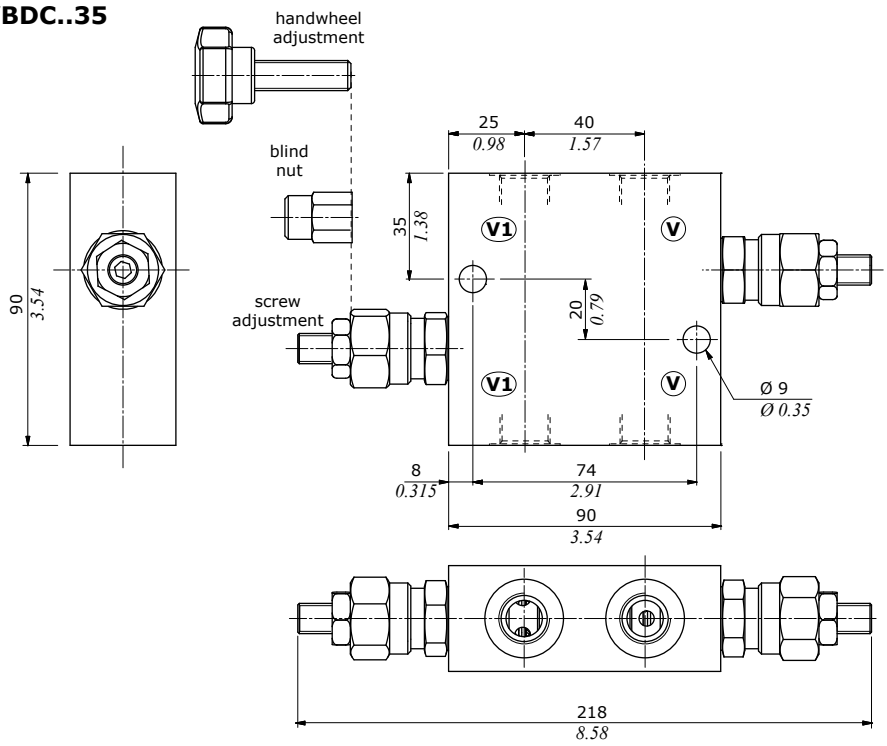
		VBDC..3502	VBDC..3503	VBDC..8003	VBDC..8004
Nominal flow		35 l/min *(9.2 US gpm)*	35 l/min *(9.2 US gpm)*	80 l/min *(21 US gpm)*	80 l/min *(21 US gpm)*
Max. pressure		Aluminium body = 210 bar *(3050 psi)* Steel body = 350 bar *(5100 psi)*			
Fluid		mineral based oil			
Viscosity		from 10 to 200 cSt			
Max. level of contamination		18/16/13 ISO4406			
Fluid temperature		*with NBR seals* from -20°C *(-4°F)* to 80°C *(176°F)*			
Environmental temp. for working conditions		from -40°C *(-40°F)* to 100°C *(212°F)*			
Weight	*alum.*	0.80 kg *(1.76 lb)*	0.80 kg *(1.76 lb)*	1.65 kg *(3.64 lb)*	1.60 kg *(3.53 lb)*
	steel	2.10 kg *(4.63 lb)*	2 kg *(4.41 lb)*	3.40 kg *(7.49 lb)*	3.30 kg *(7.27 lb)*

NOTE - For different conditions, please contact Sales Dpt.



Dimensions

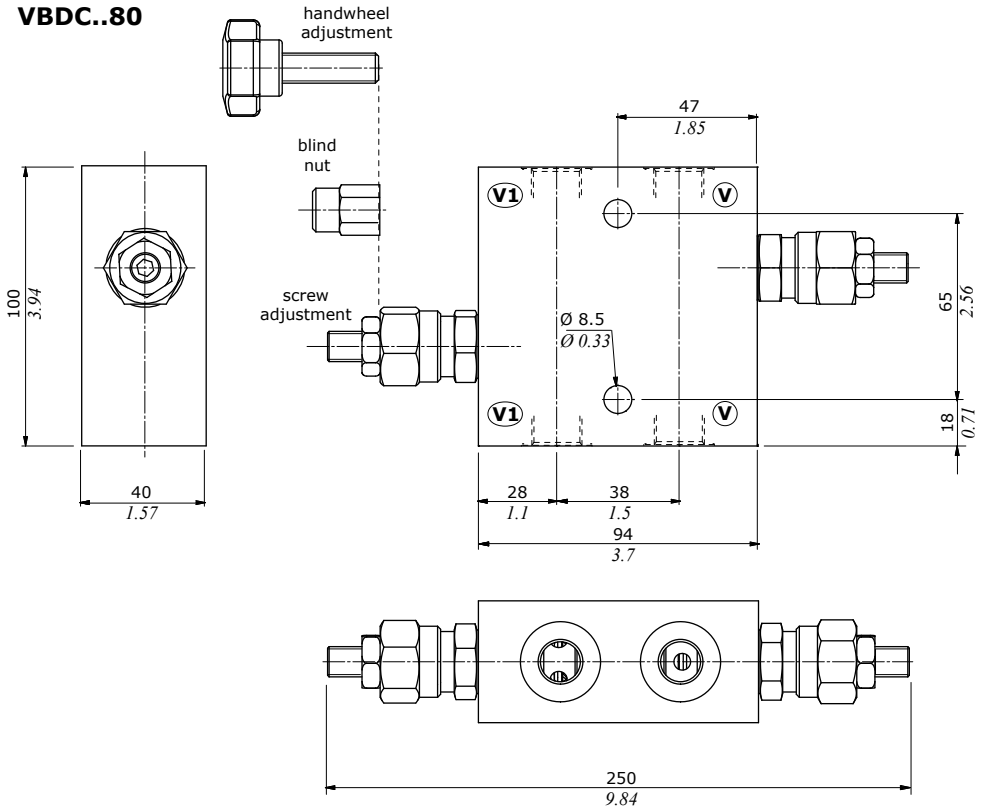
VBDC..35



Valve type	All ports
VBDC..3502	G3/8
VBDC..3503	G1/2

Dimensions are in mm-*in*

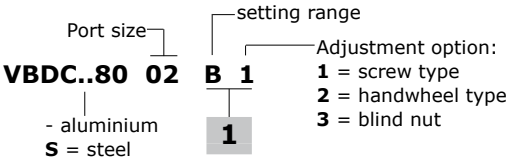
VBDC..80

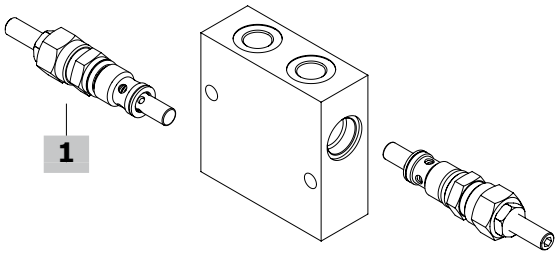


Valve type	All ports
VBDC..8003	G1/2
VBDC..8004	G3/4

Dimensions are in mm-*in*

Ordering codes and description composition





Type		Setting range bar *(psi)*	Std. setting bar *(psi)*
VMD..35	A	5-50 *(72.5-725)*	40 *(580)*
	B	40-210 *(580-3050)*	100 *(1450)*
	C	100-350 *(1450-5100)*	100 *(1450)*
VMD..80	A	5-50 *(72.5-725)*	40 *(580)*
	B	20-260 *(290-3770)*	100 *(1450)*
	C	120-350 *(1750-5100)*	120 *(1740)*

VBDC..35 - VBDC..80 complete valves

Standard setting 100 bar @ 3 l/min (1450 psi @ 0.79 US gpm)

TYPE	CODE	DESCRIPTION
Configuration with G3/8 standard thread		
VBDC3502B1	1145221100	Aluminium body, setting range 40-210 bar *(580-3045 psi)*
VBDCS3502B1	1145222100	Steel body, setting range 40-210 bar *(580-3045 psi)*
Configuration with G1/2 standard thread		
VBDC3503B1	1145221101	Aluminium body, setting range 40-210 bar *(580-3045 psi)*
VBDCS3503B1	1145222101	Steel body, setting range 40-210 bar *(580-3045 psi)*
Configuration with G3/4 standard thread		
VBDC8004B1	1145231100	Aluminium body, setting range 20-260 bar *(290-3770 psi)*
VBDCS8004C1	1145232100	Steel body, setting range 120-350 bar *(1740-5070 psi)*

For different configurations and SAE thread please contact our Sales Dpt.

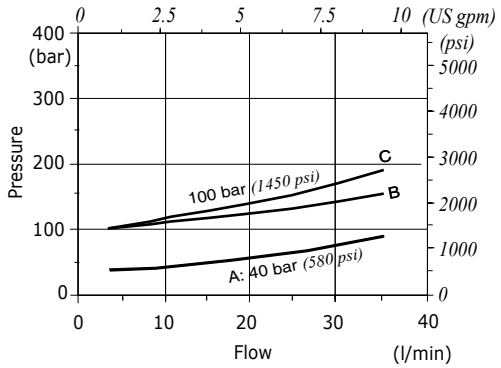
1 Direct acting pressure relief valves

Standard setting 100 bar @ 3 l/min (1450 psi @ 0.79 US gpm)

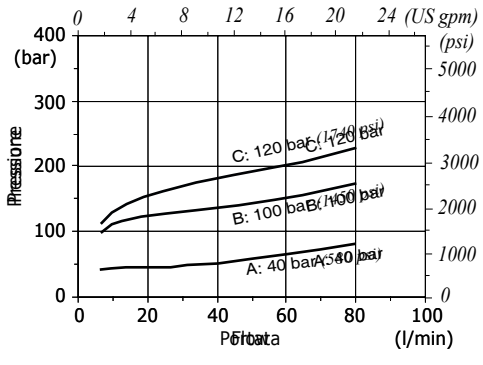
TYPE	CODE	DESCRIPTION
For VBDC..35 valve		
VMDC35B1(M20X1,5)	1100220400	Screw adjustment from 40 to 210 bar *(580-3050 psi)*
For VBDC..80 valve		
VMDC80B1(M26X1,5)	1100230400	Screw adjustment from 40 to 260 bar *(580-3770 psi)*

Rating diagrams

VBDC..35 pressure vs. flow
Std. setting @ 5 l/min *(1.32 US gpm)*

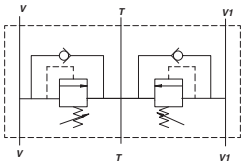


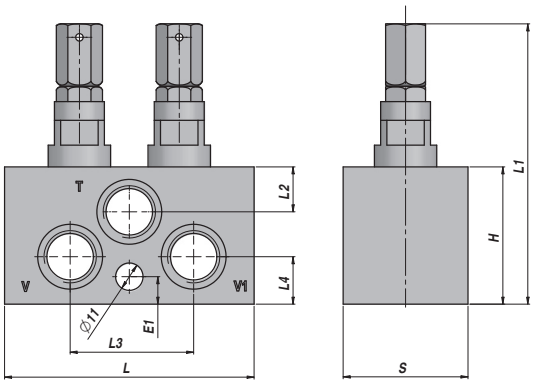
VBDC..80 pressure vs. flow
Std. setting @ 5 l/min *(1.32 US gpm)*

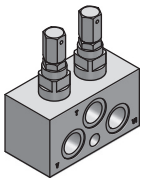


VALVE ANTICHOC DOUBLE (TYPE DIFFERENTIEL) + ANTICAVITATION
DUAL CROSS RELIEF VALVE (DIFFERENTIAL TYPE) + ANTICAVITATION

VMDA-CSV







Code *Code*	V-V1 BSP	T BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1 max	L2	L3	L4	E1	H	S	kg
VAG020.0320D3	3/8"	3/8"	45	350	VMDA-CSV-020-D3	100	118	37	64	19	10	55	50	1,85
VAG020.0330D3	1/2"	1/2"	70	350	VMDA-CSV-030-D3	100	118	37	64	19	10	55	50	1,85

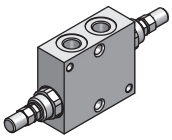
RESSORT - *SPRING* : C= 95:125 bar - **D= 125:160 bar (Standard)**

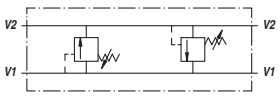
MATERIEL CORPS : ALUMINIUM
BODY MATERIAL : ALUMINIUM

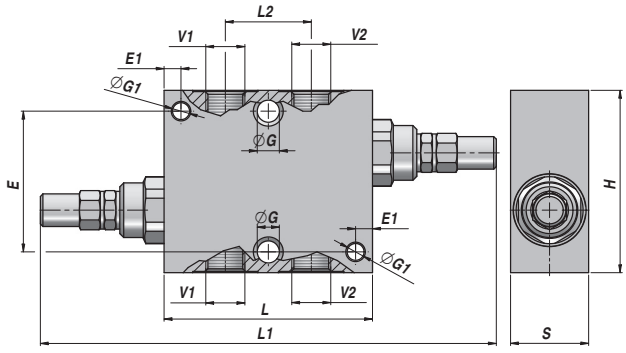
MONTAGE EN LIGNE
LINE MOUNTING

VALVE ANTICHOC DOUBLE
DUAL CROSS-OVER RELIEF VALVE

VAU/DE







Code *Code*	V1 BSP	V2 BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1	L2	ØG	E	ØG1	E1	H	S	kg
V0590.0438	1/4"	1/4"	30	300	VAU/DE 1/4" C	60	156	26	-	54	6.5	6.5	70	30	0,99
V0590.0440	3/8"	3/8"	45	300	VAU/DE 3/8" C	80	176	33	8.5	54	-	-	70	30	1,21
V0590.0450	1/2"	1/2"	70	300	VAU/DE 1/2" C	80	200	38	8.5	54	-	-	70	30	1,15
V0590.0460	3/4"	3/4"	110	300	VAU/DE 3/4" C	95	215	44	8.5	54	-	-	80	35	1,68

RESSORT - *SPRING* : A= 10:50 bar - B= 20:100 bar - **C= 10:180 bar (Standard)** - D= 50:250 bar - E= 80:300 bar

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

La société peut apporter toute modification au produit sans avis préalable.
The company reserves the right to modify the product at any time without prior notice.



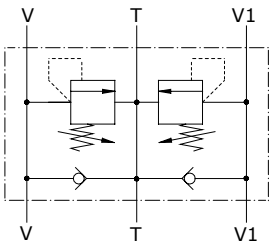
Type VMDACSV
pressure relief valves

• Double antishock differential relief valve with anticavitation

Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C *(104°F)* temperature.

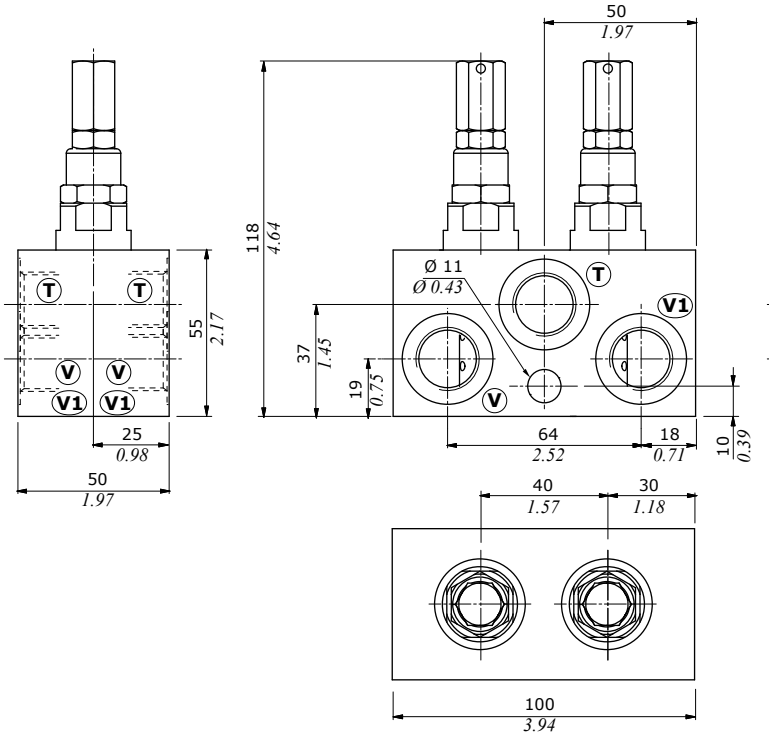
		VMDACSV 02	VMDACSV 03
Nominal flow		45 l/min *(11.9 US gpm)*	70 l/min *(18.5 US gpm)*
Max. pressure		Steel body = 350 bar *(5100 psi)*	
Fluid		mineral based oil	
Viscosity		from 10 to 200 cSt	
Max. level of contamination		18/16/13 ISO4406	
Fluid temperature		*with NBR seals* from -20°C *(-4°F)* to 80°C *(176°F)*	
Environmental temperature for working conditions		from -40°C *(-40°F)* to 100°C *(212°F)*	
Weight	*steel*	1.96 kg *(4.31 lb)*	1.85 kg *(4.08 lb)*

NOTE - For different conditions, please contact Sales Dpt.



Dimensions

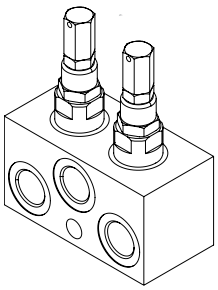
Valve type	All ports
VMDACSV02D	G3/8
VMDACSV03D	G1/2



Ordering codes and description composition

Port size — Setting range

VMDACSV 03 D



Spring type	Setting range bar *(psi)*	Std. setting bar *(psi)*
D	95-160 *(1800-2300)*	140 *(2030)*

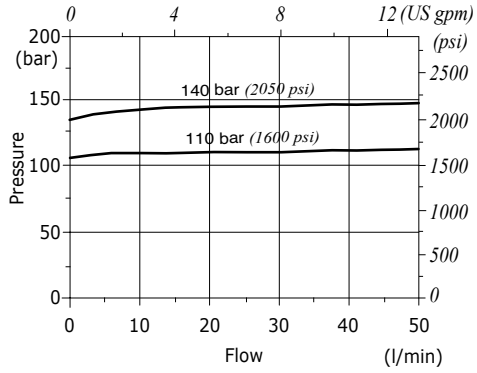
VMDACSV complete valves

TYPE	CODE	DESCRIPTION
Configuration with G3/8 standard thread		
VMDACSV02D	1152521100	Steel body, setting range 125-160 bar *(1800-2300 psi)*, std setting 140 bar @ 5 l/min *(2030 psi @ 1.32 US gpm)*
VMDACSV03D	1152531101	Steel body, setting range 125-160 bar *(1800-2300 psi)*, std setting 140 bar @ 5 l/min *(2030 psi @ 1.32 US gpm)*

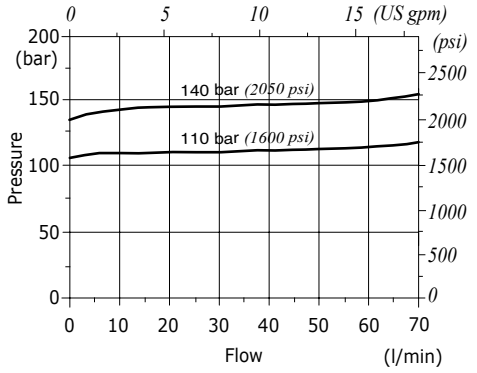
For different configurations and SAE thread please contact our Sales Dpt.

Rating diagrams

VMDACSV02D pressure vs. flow
Examples setting range @ 5 l/min *(1.32 US gpm)*



VMDACSV03D pressure vs. flow
Examples setting range@ 5 l/min *(1.32 US gpm)*

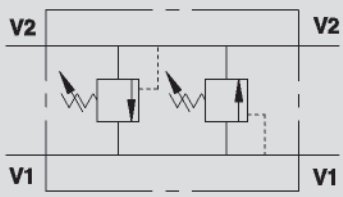


VALVOLE ANTIURTO
CROSS LINE RELIEF VALVES

TIPO / TYPE
VAU



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. Trovano il miglior impiego sia come valvole antishock sia per regolare i due rami di un circuito idraulico a diversi valori di pressione.

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 V1 e V2 o all'alimentazione o all'attuatore/motore idraulico. Viceversa per le due bocche V1 e V2 rimanenti. Se ne raccomanda il montaggio vicino all'attuatore per limitare le perdite di carico e ottenere un pronto funzionamento.

A RICHIESTA
• molle per diversi campi di taratura (vedi tabella)
• pressioni di taratura specifiche (CODICE/T000 specificando il valore di taratura)

USE AND OPERATION:
Made up from two cross line relief valves, this valve is used to limit the pressure to a certain setting in the two ports of an actuator/hydraulic motor. It's ideal to provide protection against sudden shock pressures or to limit the maximum pressures in the two ports of a hydraulic circuit.

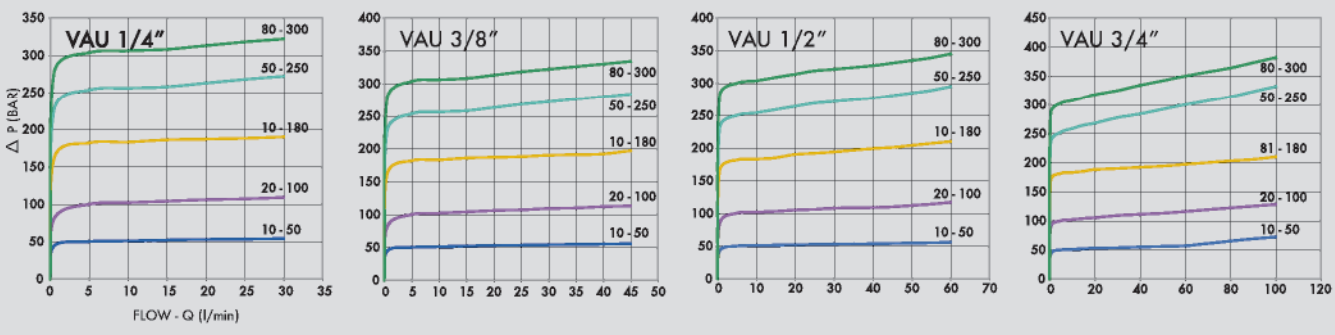
MATERIALS AND FEATURES:
Body: zinc-plated steel.
Internal parts: hardened and ground steel.
Seals: BUNA N standard.
Leakage: Guided poppet - negligible leakage.

CONNECTIONS:
Connect V1 and V2 to the pressure flow or to the actuator/ hydraulic motor. Vice versa for the remaining ports V1 and V2. Mounting close to the actuator is highly recommended in order to avoid pressure drops and to have a fast response.

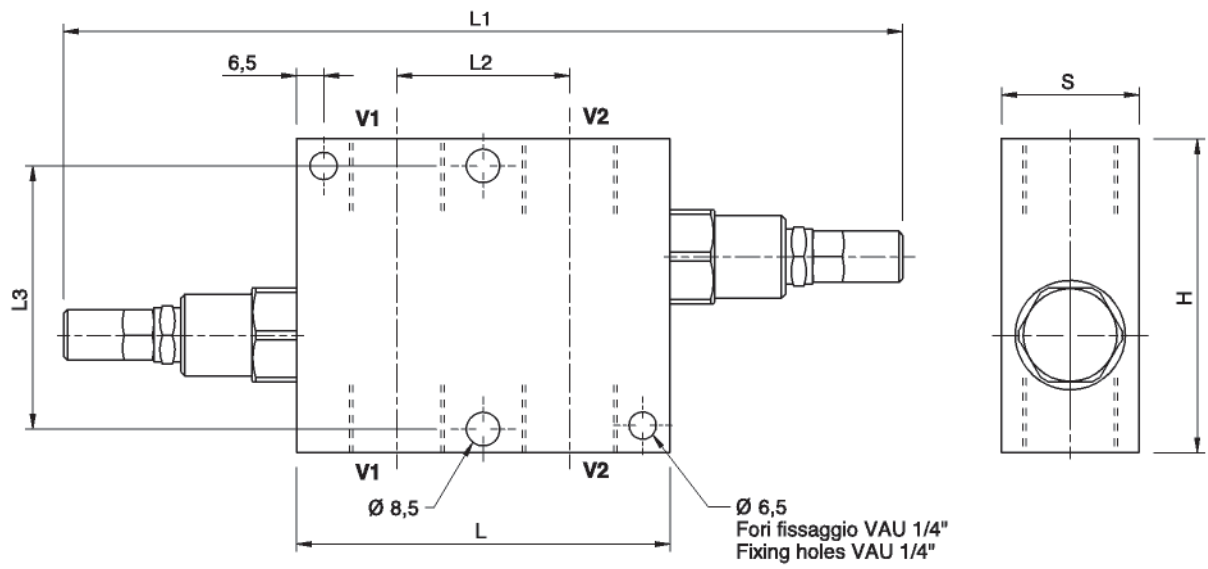
ON REQUEST
• different setting range (see the table)
• other settings available (CODE/T000 please specify the desired setting)

PRESSIONE / PORTATA
PRESSURE / FLOW

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
V0438	VAU 1/4"	30	350
V0440	VAU 3/8"	45	350
V0450	VAU 1/2"	70	350
V0460	VAU 3/4"	110	350



5

CODICE CODE	SIGLA TYPE	V1 - V2 GAS	L mm	L1 mm	L2 mm	L3 mm	H mm	S mm	PESO/ WEIGHT Kg
V0438	VAU 1/4"	G 1/4"	60	156	26	54	70	30	0,988
V0440	VAU 3/8"	G 3/8"	80	176	33	54	70	30	1,208
V0450	VAU 1/2"	G 1/2"	80	200	38	54	70	30	1,150
V0460	VAU 3/4"	G 3/4"	95	215	44	54	80	35	1,680

MOLLE - SPRINGS

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

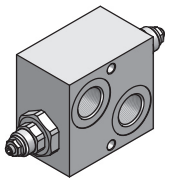
REGOLAZIONE - ADJUSTEMENT

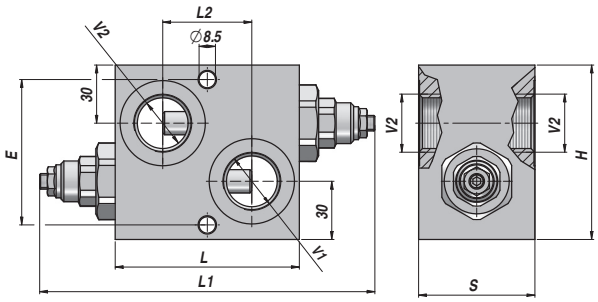
CODICE/V • CODE/V	Volantino • Handknob
CODICE/PP • CODE/PP	Predisposizione alla piombatura • Arranged for sealing cap
CODICE/P • CODE/P	Piombatura • Sealing cap

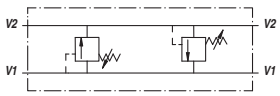
***Per tarature inferiori a 70 Bar: Q = 12 l/min** *For setting less than 70 Bar: Q = 12 l/min

VAU/DE 1"

VALVE ANTICHOC DOUBLE (TYPE DIFFERENTIEL)
DUAL CROSS-OVER RELIEF VALVE (DIFFERENTIAL TYPE)







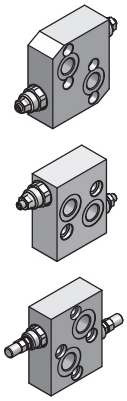
Code *Code*	V1 BSP	V2 BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1	L2	E	H	S	kg
V0590.0470	1"	1"	160	350	VAU/DE 1" Q	95	199	46	75	90	60	3,20

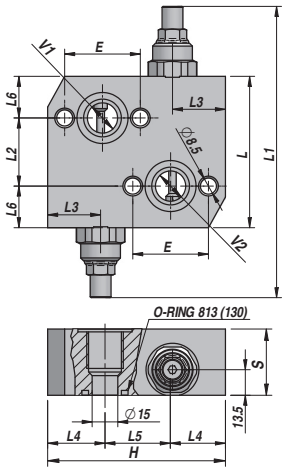
RESSORT - *SPRING* : N= 20:200 bar - **Q= 50:400 bar (Standard)**

MATERIEL CORPS : ACIER — MONTAGE EN LIGNE
BODY MATERIAL : STEEL — *LINE MOUNTING*

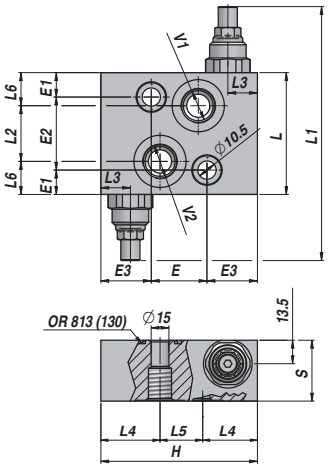
VAU/DE MP-R-S-T

VALVE ANTICHOC POUR MOTEURS
CROSS LINE RELIEF VALVE FOR MOTORS

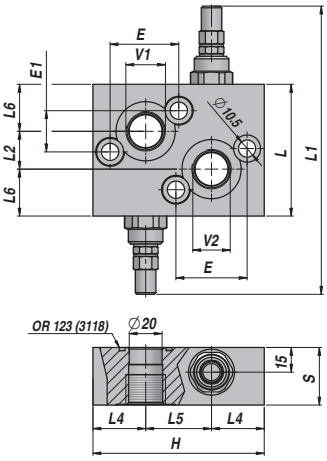




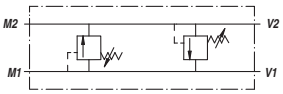
VAU OMP-OMR



VAU OMS



VAU OMT



Code *Code*	V1 BSP	V2 BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1	L2	L3	L4	L5	L6	E	E1	E2	E3	H	S	kg
V0590.0500	1/2"	1/2"	60	300	VAU/DE 1/2"C (OMP/R)	80	164	36	28	29	36	22.0	40.0	-	-	-	94	35	1,75
V0590.0490	1/2"	1/2"	50	300	VAU/DE 1/2"C (OMS)	70	154	32	17	34	22	19.0	32.0	14	42	29	90	35	1,33
V0590.0505	3/4"	3/4"	100	300	VAU/DE 3/4"C (OMT)	80	188	23	-	32	40	28.5	43.2	25	-	-	104	35	1,92

RESSORT - *SPRING* : B= 20:100 bar - **C= 10:180 bar (Standard)** - D= 50:250 bar - E= 80:300 bar

SUR DEMANDE - *ON REQUEST* : VAU/DE/SF ... AVEC DEBLOCAGE FREIN - *WITH BRAKE RELEASE PORT*

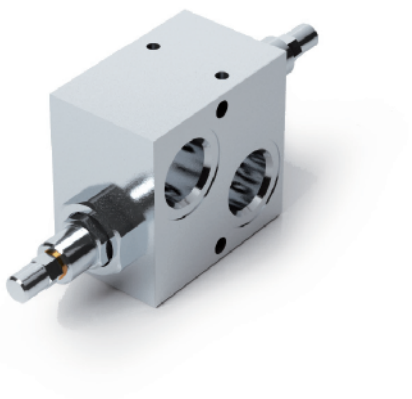
MATERIEL CORPS : ACIER — FLASQUABLE
BODY MATERIAL : STEEL — *FACE MOUNTING*

Disponibilités & Tarifs en ligne sur **www.unidro-contarini.com/fr/disponibilites-tarifs**
*Availability & Rates online on **www.unidro-contarini.com/fr/disponibilites-tarifs/***

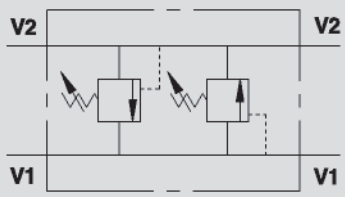
La société peut apporter toute modification au produit sans avis préalable.
The company reserves the right to modify the product at any time without prior notice.

VALVOLA ANTIURTO DIFFERENZIATA 1”
CROSS LINE DIFFERENTIAL AREA RELIEF VALVE, 1”

TIPO / TYPE
VAU



SCHEMA IDRAULICO
HYDRAULIC DIAGRAM



IMPIEGO:
Costituita da due valvole di massima pressione con scarico incrociato, viene utilizzata per limitare la pressione in entrambi i rami di un attuatore o motore idraulico ad un determinato valore di taratura. Trova il miglior impiego sia come valvole antishock sia per regolare i due rami di un circuito idraulico a diversi valori di pressione. L’apertura differenziata rende questa valvola più lenta all’apertura ma più costante alla taratura al variare della portata.

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 V1 e V2 o all’alimentazione o all’attuatore/motore idraulico. Viceversa per le due bocche V1 e V2 rimanenti. Se ne raccomanda il montaggio vicino all’attuatore per limitare le perdite di carico e ottenere un pronto funzionamento.

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

USE AND OPERATION:
Made up from two cross line relief valves, this valve is used to limit the pressure to a certain setting in the two ports of an actuator/hydraulic motor. It’s ideal to provide protection against sudden shock pressures or to limit the maximum pressures in the two ports of a hydraulic circuit. The valve differential opening is slower than the standard one, but the setting is more consistent to changing flow rate.

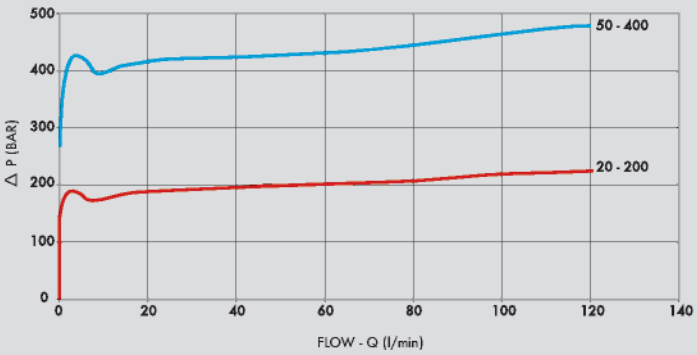
MATERIALS AND FEATURES:
Body: zinc-plated steel.
Internal parts: hardened and ground steel.
Seals: BUNA N standard.
Leakage: Guided poppet - negligible leakage.

CONNECTIONS:
Connect V1 and V2 to the pressure flow or to the actuator/ hydraulic motor. Vice versa for the remaining ports V1 and V2. Mounting by the actuator is highly recommended in order to avoid pressure drops.

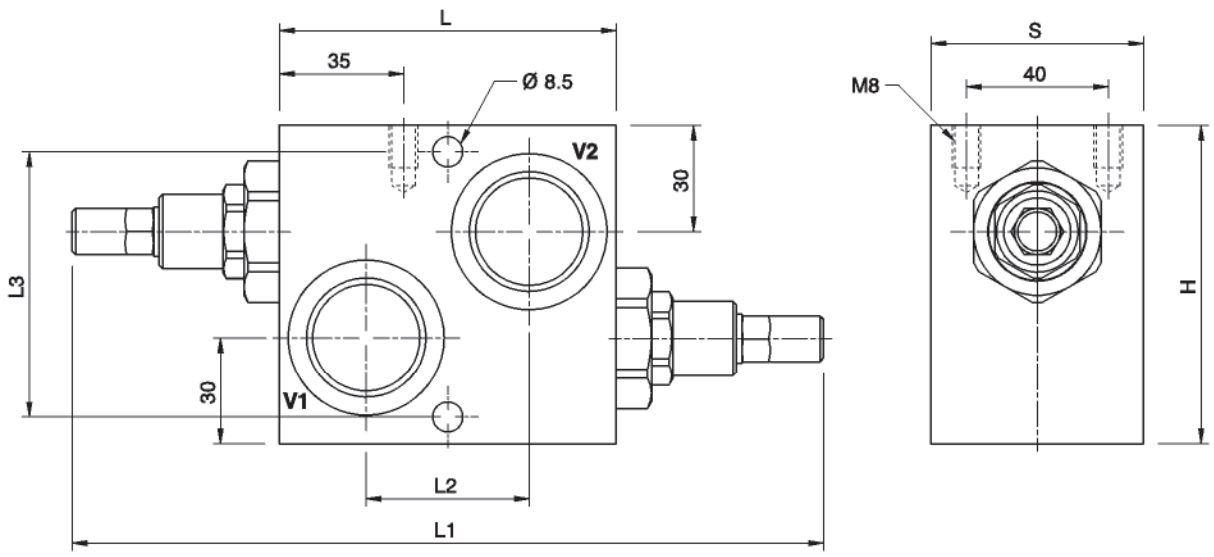
ON REQUEST
• different setting range (see the table)
• other setting available (CODE/T000 please specify the desired setting)

PRESSIONE / PORTATA
PRESSURE / FLOW

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
V0470	VAU 1"	160	350



CODICE CODE	SIGLA TYPE	V1 - V2 GAS	L mm	L1 mm	L2 mm	L3 mm	H mm	S mm	PESO/ WEIGHT Kg
V0470	VAU 1"	G1"	95	211	46	75	90	60	3,248

MOLLE - SPRINGS

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

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

VALVOLE ANTIURTO FLANGIABILI SU MOTORI DANFOSS SERIE OMP/OMR

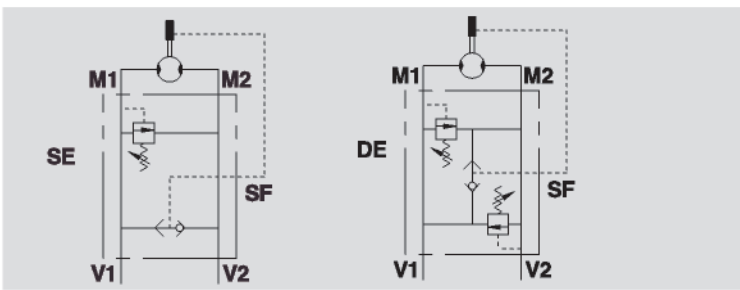
DUAL CROSS LINE RELIEF VALVES FLANGEABLE ON DANFOSS MOTORS OMP/OMR

TIPO / TYPE

VAU OMP/OMR



SCHEMA IDRAULICO (con sbloccafreno - SF)
HYDRAULIC DIAGRAM (with brake release - SF)



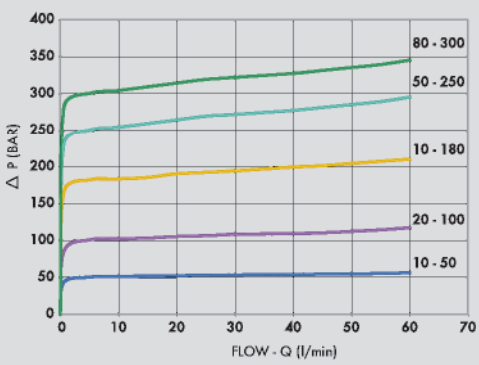
IMPIEGO:
Costituite da due valvole di massima pressione con scarico incrociato, sono utilizzate per limitare la pressione in uno (SE) o entrambi i rami di un motore (DE). Trovano il miglior impiego sia come valvole antishock sia per regolare i due rami di un circuito idraulico a diversi valore di pressione. La flangiatura diretta, adatta per motori Danfoss della serie OMP/OMR, 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 al motore e collegare le bocche 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 both (DE) or one (SE) ports of a hydraulic motor to a certain setting.
Direct flange mounting for Danfoss motors type OMP-OMR 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.

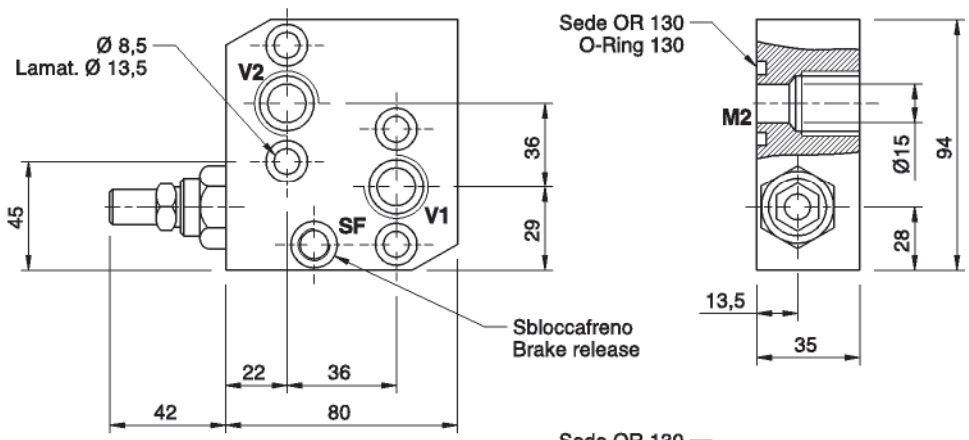
CONNECTIONS:
Flange M1 and M2 directly to the motor and connect ports V1 and V2 to the supply.

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

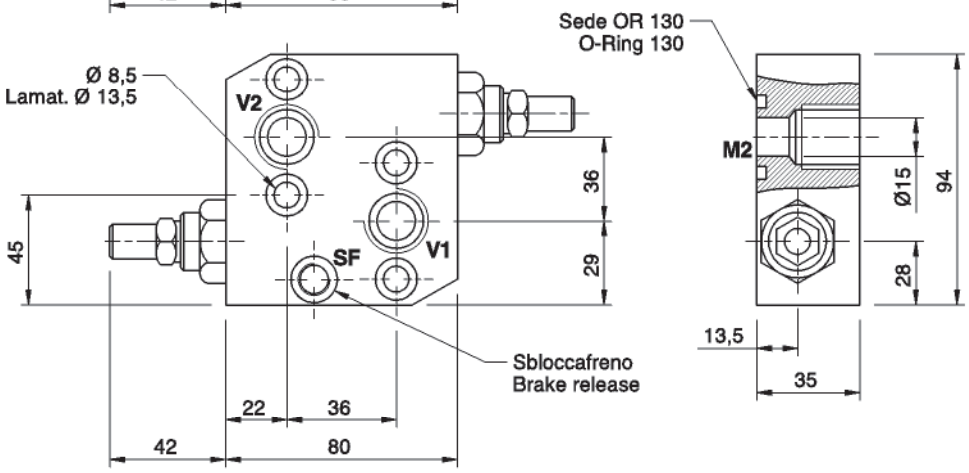
Temperatura olio: 50°C - Viscosità olio: 30 cSt
Oil temperature: 50° C - Oil viscosity: 30 cSt

CODICE CODE	SIGLA TYPE	PORTATA MAX MAX FLOW Lt. / min	PRESSIONE MAX MAX FLOW Bar
V0499	VAU 1/2" SE OMP/OMR	60	350
V0499/SF	VAU 1/2" SE OMP/OMR SF	60	350
V0500	VAU 1/2" DE OMP/OMR	60	350
V0500/SF	VAU 1/2" DE OMP/OMR SF	60	350
V0500/AC	VAU 1/2" OMP/OMR AC	60	350

VAU G1/2"SE



VAU G1/2"DE



5

CODICE CODE	SIGLA TYPE	V1 - V2 GAS	SF GAS	PESO/ WEIGHT Kg
V0499	VAU 1/2" SE OMP/OMR	G 1/2"	-	1,680
V0499/SF	VAU 1/2" SE OMP/OMR SF	G 1/2"	G 1/4"	1,680
V0500	VAU 1/2" DE OMP/OMR	G 1/2"	-	1,752
V0500/SF	VAU 1/2" DE OMP/OMR SF	G 1/2"	G 1/4"	1,752
V0500/AC	VAU 1/2" OMP/OMR AC	G 1/2"	-	1,738

MOLLE - SPRINGS

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
30 - 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/P	Piombatura • Sealing cap

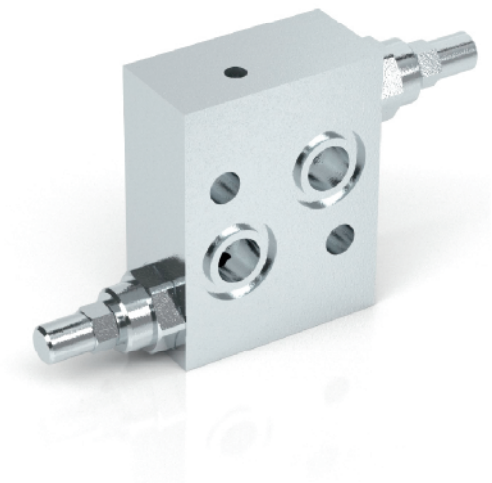
***Per tarature inferiori a 70 Bar: Q = 12 l/min** *For setting less than 70 Bar: Q = 12 l/min

VALVOLE ANTIURTO FLANGIABILI SU MOTORI DANFOSS SERIE OMS

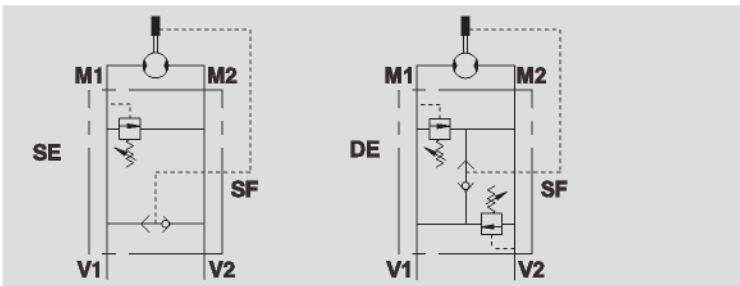
DUAL CROSS LINE RELIEF VALVE FLANGEABLE ON DANFOSS MOTORS OMS

TIPO / TYPE

VAU OMS



SCHEMA IDRAULICO (con sbloccafreno - SF)
HYDRAULIC DIAGRAM (with brake release - SF)



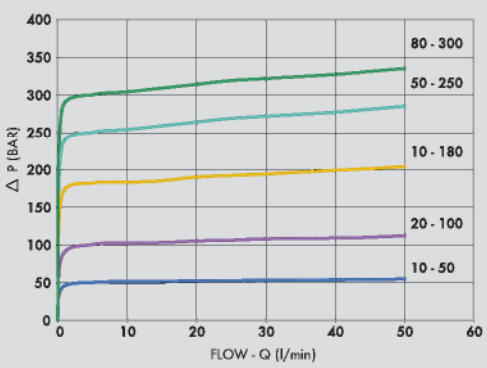
IMPIEGO:
Costituite da due valvole di massima pressione con scarico incrociato, sono utilizzate per limitare la pressione in uno (SE) o entrambi i rami di un motore (DE). La flangiatura diretta, adatta per motori Danfoss della serie OMS, garantisce la massima sicurezza, minime perdite di carico e compattezza 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 al motore e collegare le bocche 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 both (DE) or one (SE) ports of a hydraulic motor to a certain setting.
Direct flange mounting for Danfoss motors type OMS 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.

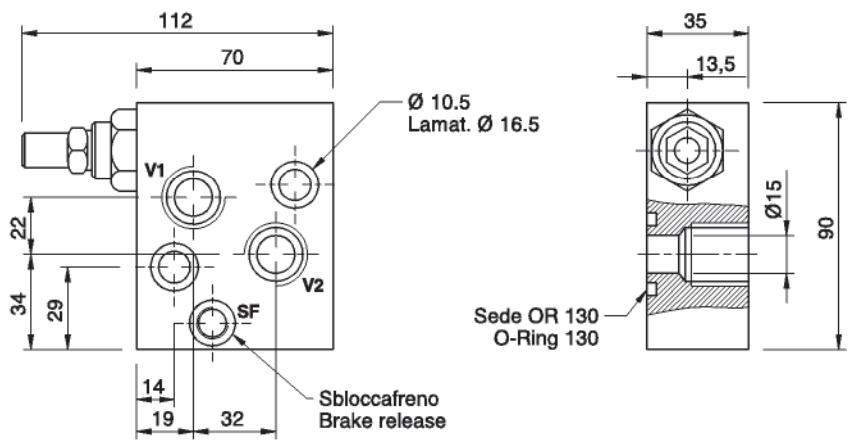
CONNECTIONS:
Flange M1 and M2 directly to the motor and connect ports V1 and V2 to the supply.

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

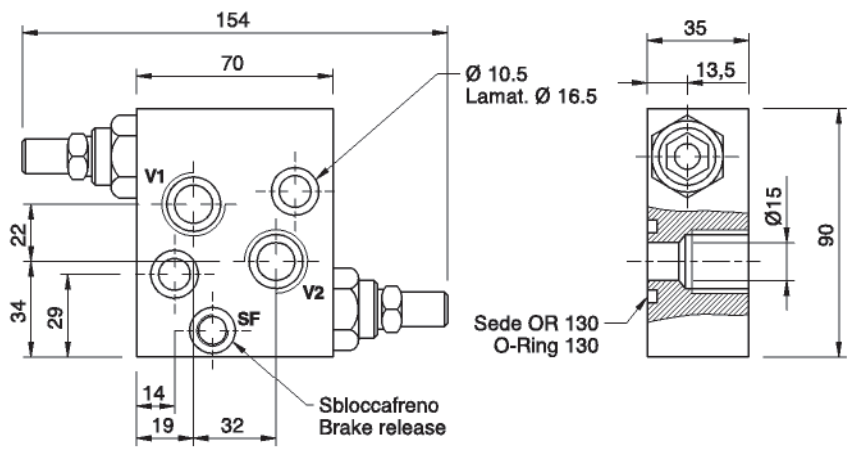
Temperatura olio: 50°C - Viscosità olio: 30 cSt
Oil temperature: 50° C - Oil viscosity: 30 cSt

CODICE CODE	SIGLA TYPE	PORTATA MAX MAX FLOW Lt. / min	PRESSIONE MAX MAX FLOW Bar
V0490	VAU 1/2" OMS	50	350
V0490/SF	VAU 1/2" OMS SF	50	350
V0489	VAU 1/2" OMS SE	50	350
V0489/SF	VAU 1/2" OMS SE SF	50	350
V0490/AC	VAU 1/2" OMS AC	50	350

VAU G1/2"SE



VAU G1/2"DE



5

CODICE CODE	SIGLA TYPE	V1 - V2 GAS	SF GAS	PESO/ WEIGHT Kg
V0490	VAU 1/2" OMS	G 1/2"	-	1,326
V0490/SF	VAU 1/2" OMS SF	G 1/2"	G 1/4"	1,326
V0489	VAU 1/2" OMS SE	G 1/2"	-	1.462
V0489/SF	VAU 1/2" OMS SF	G 1/2"	G 1/4"	1.389
V0490/AC	VAU 1/2" OMS AC	G 1/2"	-	1.417

MOLLE - SPRINGS

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
30 - 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/P	Piombatura • Sealing cap

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

VALVOLE ANTIURTO FLANGIABILI SU MOTORI DANFOSS SERIE OMT

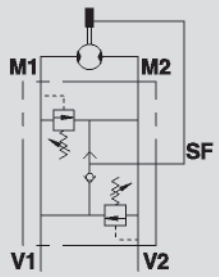
DUAL CROSS LINE RELIEF VALVES FLANGEABLE ON DANFOSS MOTORS OMT

TIPO / TYPE

VAU OMT



SCHEMA IDRAULICO (con sbloccafreno - SF)
HYDRAULIC DIAGRAM (with brake release - SF)



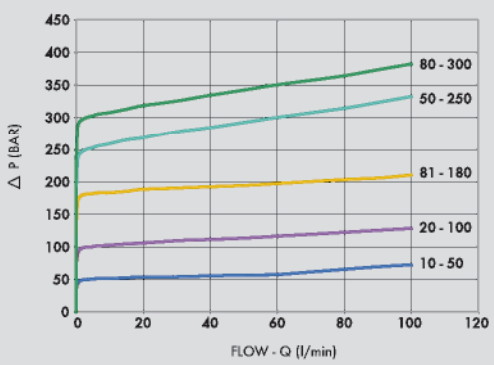
IMPIEGO:
Costituite da due valvole di massima pressione con scarico incrociato, sono utilizzate per limitare la pressione in uno (SE) o entrambi i rami di un motore (DE).
La flangiatura diretta, adatta per motori Danfoss della serie OMT, garantisce la massima sicurezza, minime perdite di carico e compattezza 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 al motore e collegare le bocche 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 both (DE) or one (SE) ports of a hydraulic motor to a certain setting.
Direct flange mounting for Danfoss motors type OMT provides maximum safety, very low pressure drop and a robust installation.

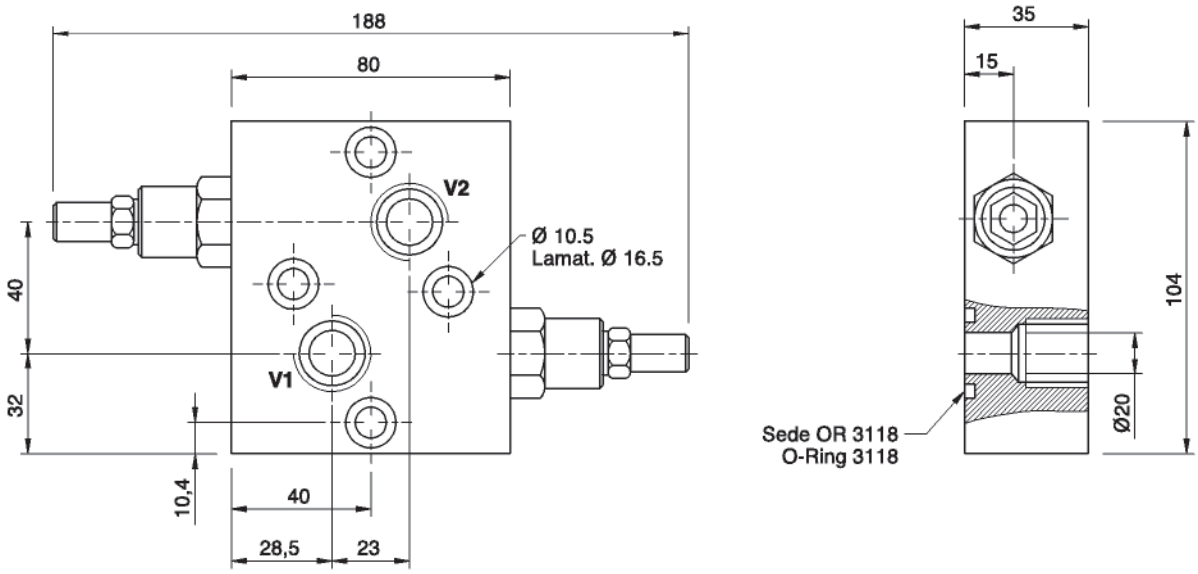
MATERIALS AND FEATURES:
Body: zinc-plated steel.
Internal parts: hardened and ground steel.
Seals: BUNA N standard.
Leakage: Guided poppet - negligible leakage.

CONNECTIONS:
Flange M1 and M2 directly to the motor 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
V0505	VAU 3/4" OMT	100	350
V0506	VAU 3/4" OMT SE	100	350



5

CODICE CODE	SIGLA TYPE	V1 - V2 GAS	PESO/ WEIGHT Kg
V0505	VAU 3/4" OMT	G 3/4"	1,920
V0506	VAU 3/4" OMT SE	G 3/4"	1.784

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
30 - 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/P	Piombatura • Sealing cap

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