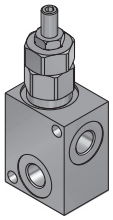
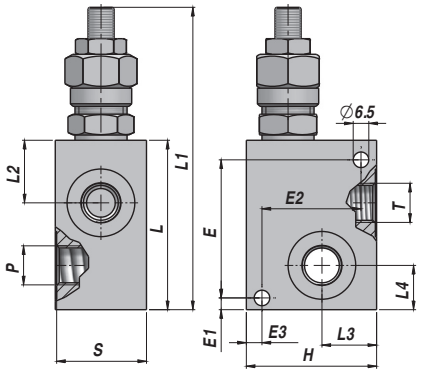
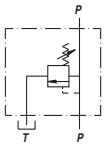
VMDL 20

LIMITEUR DE PRESSION
RELIEF VALVE







Code *Code*	P BSP	T BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1 max	L2	L3	L4	E	E1	E2	E3	H	S	kg
VAG003.0210B1	1/4"	1/4"	20	350	VMDL A20-010-B1	52	94	19	15	14	42	5	30	5	40	30	0,24
VAG003.0220B1	3/8"	3/8"	20	350	VMDL A20-020-B1	52	94	19	15	14	42	5	30	5	40	30	0,24

RESSORT - *SPRING* : A= 5:60 bar - **B= 50:240 bar (Standard)** - C= 90:350 bar - D= 20:130 bar

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

 1
 2
 3

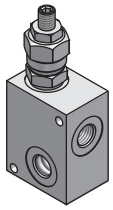
SUR DEMANDE - *ON REQUEST:* ACIER - *STEEL* (VMDL-S - 400 bar)

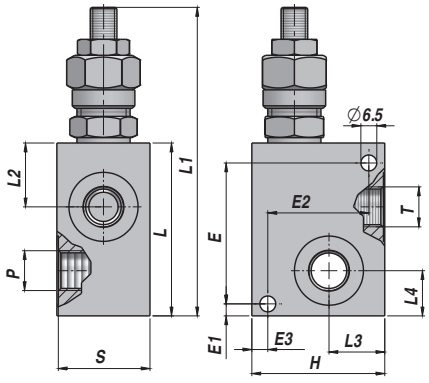
MATERIEL CORPS : ALUMINIUM
BODY MATERIAL : ALUMINIUM

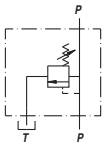
MONTAGE EN LIGNE
LINE MOUNTING

VMD 35

LIMITEUR DE PRESSION
RELIEF VALVE







Code *Code*	P BSP	T BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1 max	L2	L3	L4	E	E1	E2	E3	H	S	kg
VAG002.0320B1	3/8"	3/8"	35	350	VMD A35-020-B1	65	129	24	20	17	53	5	34	6	50	35	0,40
VAG002.0330B1	1/2"	1/2"	35	350	VMD A35-030-B1	65	129	24	20	17	53	5	34	6	50	35	0,39

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

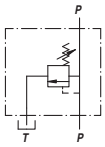
SUR DEMANDE - *ON REQUEST:* ACIER - *STEEL* (VMD-S - 400 bar)

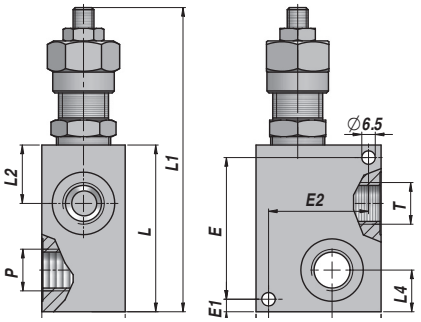
MATERIEL CORPS : ALUMINIUM
BODY MATERIAL : ALUMINIUM

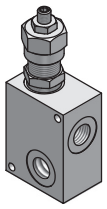
MONTAGE EN LIGNE
LINE MOUNTING

LIMITEUR DE PRESSION
RELIEF VALVE

VMD 80







Code *Code*	P BSP	T BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1 max	L2	L3	L4	E	E1	E2	E3	H	S	kg
VAG002.0830B1	1/2"	1/2"	80	260	VMD A80-030-B1	80	157	28	23.5	20	68	6	48	6	60	40	0,72
VAG002.0840B1	3/4"	3/4"	80	260	VMD A80-040-B1	80	157	28	23.5	20	68	6	48	6	60	40	0,70

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

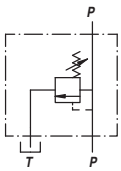
SUR DEMANDE - *ON REQUEST:* ACIER - *STEEL* (VMD-S - 350 bar)

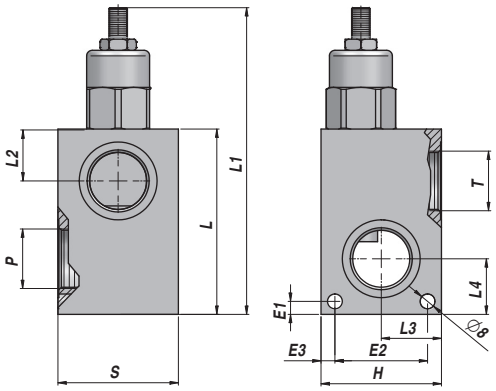
MATERIEL CORPS : ALUMINIUM
BODY MATERIAL : ALUMINIUM

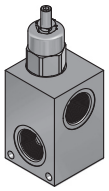
MONTAGE EN LIGNE
LINE MOUNTING

LIMITEUR DE PRESSION (TYPE DIFFERENTIEL)
RELIEF VALVE (DIFFERENTIAL TYPE)

VMD-S 150







Code *Code*	P BSP	T BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1 max	L2	L3	L4	E1	E2	E3	H	S	kg
VSG002.1550B1	1"	1"	150	350	VMD-S150-050-B1	100	166	28	32.5	30	7	50	7.5	65	65	2,76
VSG002.1560B1	1"1/4	1"1/4	150	350	VMD-S150-060-B1	100	166	28	32.5	30	7	50	7.5	65	65	2,43

RESSORT - *SPRING* : **B= 30:350 bar (Standard)**

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


1

2

3

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

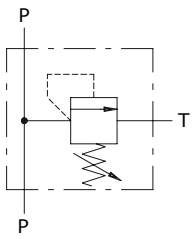
Type VMDL..20 - VMD..35 - VMD..80
pressure relief valves

- Direct acting

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

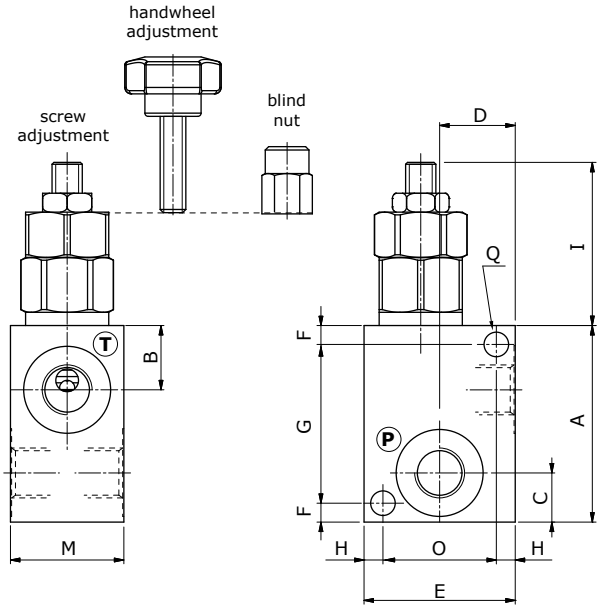
		VMDL..2001	VMDL..2002	VMD..3502	VMD..3503	VMD..8003	VMD..8004
Nominal flow		20 l/min *(5.3 US gpm)*		35 l/min *(9.2 US gpm)*		80 l/min *(21.1 US gpm)*	
Max. pressure		Aluminium body = 210 bar *(3050 psi)* Steel body = 350 bar *(5100 psi)*					
Fluid		mineral based oil					
Viscosity		from 10 to 200 cSt					
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	*aluminium*	0.24 kg *(0.53 lb)*	0.24 kg *(0.53 lb)*	0.40 kg *(0.88 lb)*	0.39 kg *(0.86 lb)*	0.72 kg *(1.59 lb)*	0.72 kg *(1.59 lb)*
	steel	-	-	0.85 kg *(1.87 lb)*	0.78 kg *(1.72 lb)*	1.45 kg *(3.20 lb)*	1.35 kg *(2.98 lb)*

NOTE - For different conditions, please contact Sales Dpt.

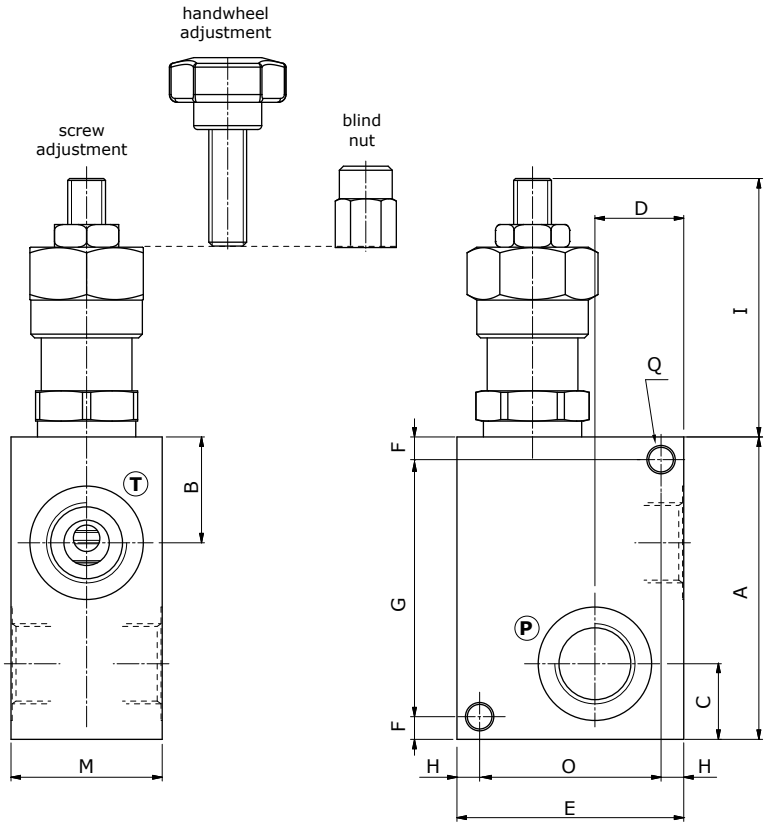


Dimensions

VMDL..20



VMD..35 - VMD..80

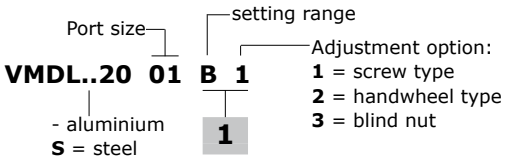


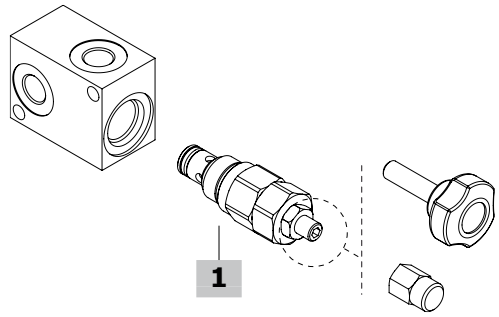
Valve type	All ports
VMDL..2001	G1/4
VMDL..2002	G3/8
VMD..3502	G3/8
VMD..3503	G1/2
VMD..8003	G1/2
VMD..8004	G3/4

Dimensions are in mm-*in*

Valve type	A	B	C	D	E	F	G	H	I	M	O	ØQ
VMDL..20	~~45~~-*1.77*	~~17~~-*0.67*	~~13~~-*0.51*	~~20~~-*0.79*	40-*1.57*	5-*0.197*	42-*1.65*	5-*0.197*	~~44~~-*1.73*	30-*1.18*	30-*1.18*	6.5-*0.256*
VMD..35	65-*2.56*	24-*0.95*	17-*0.67*	20-*0.79*	50-*1.97*	5-*0.197*	53-*2.09*	6-*0.236*	64-*2.52*	35-*1.38*	34-*1.34*	6.5-*0.256*
VMD..80	80-*3.15*	28-*1.10*	20-*0.79*	23.5-*0.93*	60-*2.36*	6-*0.236*	68-*2.68*	6-*0.236*	77-*3.03*	40-*1.57*	48-*1.89*	6.5-*0.256*

Ordering codes and description composition





Type		Setting range bar *(psi)*	Std. setting bar *(psi)*
VMDL..20	A	5-60 *(72.5-870)*	40 *(580)*
	B	50-240 *(725-3500)*	100 *(1450)*
	C	90-350 *(130-5100)*	100 *(1450)*
	D	20-100 *(290-1450)*	100 *(1450)*
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)*

VMD complete valves

Standard setting 150 bar @ 5 l/min (2200 psi @ 1.32US gpm)

TYPE	CODE	DESCRIPTION
Configuration with G1/4 standard thread		
VMDL2001B1	1110711100	Aluminium body, setting range from 50 to 240 bar *(725-3500 psi)*
Configuration with G3/8 standard thread		
VMDL2002B1	1110721100	Aluminium body, setting range from 50 to 240 bar *(725-3500 psi)*
VMD3502B1	1110821100	Aluminium body, setting range from 40 to 210 bar *(580- 3050 psi)*
VMDS3502B1	1110822100	Steel body, setting range from 40 to 210 bar *(580- 3050 psi)*
Configuration with G1/2 standard thread		
VMD3503B1	1110821101	Aluminium body, setting range from 40 to 210 bar *(580- 3050 psi)*
VMD8003B1	1110831100	Aluminium body, setting range from 20 to 260 bar *(290-3770 psi)*
VMDS3503B1	1110822101	Steel body, setting range from 40 to 210 bar *(580- 3050 psi)*
VMDS8003B1	1110832100	Steel body, setting range from 20 to 260 bar *(290-3770 psi)*
Configuration with G3/4 standard thread		
VMD8004B1	1110831101	Aluminium body, setting range from 20 to 260 bar *(290-3770 psi)*
VMDS8004B1	1110832101	Steel body, setting range from 20 to 260 bar *(290-3770 psi)*

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

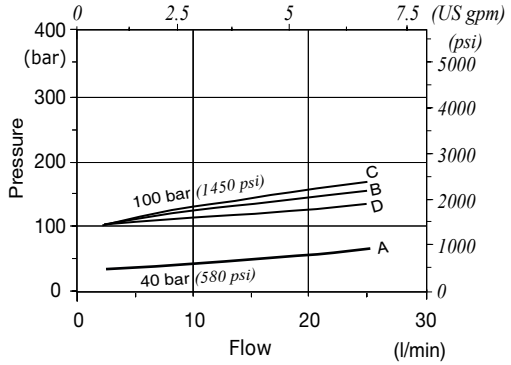
1 Direct acting pressure relief valves

Standard setting 150 bar @ 5 l/min (2200 psi @ 1.32 US gpm)

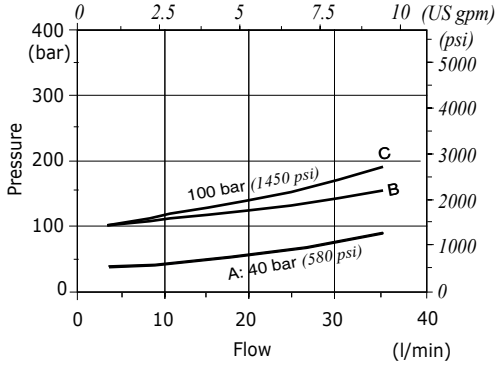
TYPE	CODE	DESCRIPTION
For VMDL..20 valve		
MC08F/0G2B	0MC08002069	Screw adjustment from 50 to 240 bar *(725-3500 psi)*
For VMD..35 valve		
VMDC35B1(M20X1,5)	1100220400	Screw adjustment from 40 to 210 bar *(580-3050 psi)*
For VMD..80 valve		
VMDC80B1(M26X1,5)	1100230400	Screw adjustment from 40 to 260 bar *(290-3770 psi)*

Rating diagrams

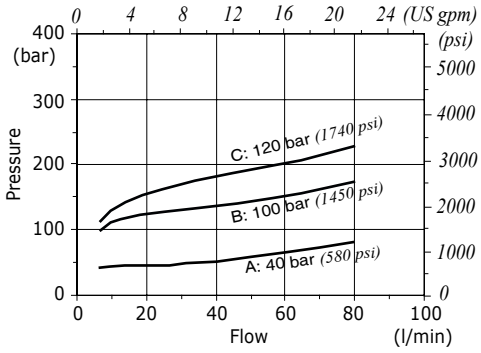
VMDL..20 pressure vs. flow
standard setting @ 5 l/min *(1.32 US gpm)*



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



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



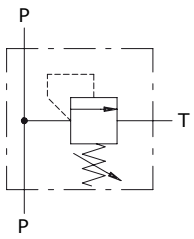
Type VMDS150
pressure relief valves

- Differential acting

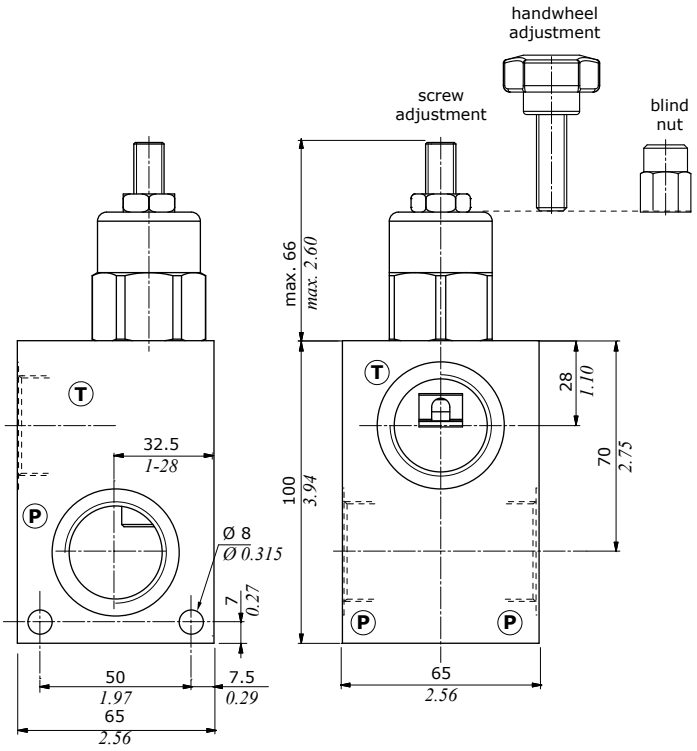
Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C *(104°F)* temperature.

		VMDS15005	VMDS15006
Nominal flow		150 l/min *(39.6 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*	2.76 kg *(6.08 lb)*	2.43 kg *(5.42 lb)*

NOTE - For different conditions, please contact Sales Dpt.



Dimensions



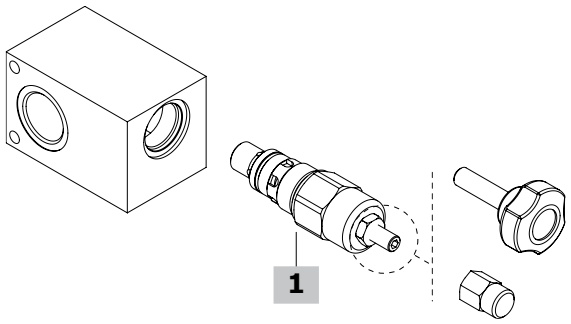
Valve type	All ports
VMDS15005	G1″
VMDS150 06	G1″1/4

Ordering codes and description composition

Port size
setting range
Adjustment option:
1 = screw type
2 = handwheel type
3 = blind nut

VMDS150 05 B 1

1



VMDS150 complete valves

Standard setting 250 bar @ 5 l/min (3600 psi @ 1.32 US gpm)

TYPE	CODE	DESCRIPTION
Configuration with G1 standard thread		
VMDS15005B1	1121352100	Steel body, setting range
(3 ATTACCHI)		30-250 bar *(435-3600 psi)*
Configuration with G1 1/4 standard thread		
VMDS15006B1	1121362100	Steel body, setting range
(3 ATTACCHI)		30-250 bar *(435-3600 psi)*

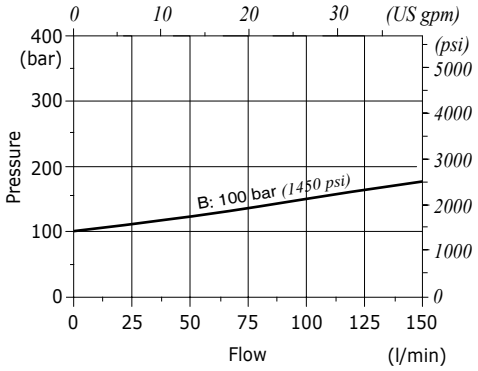
For different configurations and SAE thread please contact our Sales Dpt.

1 Direct acting pressure relief valves

TYPE	CODE	DESCRIPTION
VMDC150B1	1120250400	Screw adjustment, setting range 30-250 bar *(435-3600 psi)*, std setting 100 bar @ 5 l/min *(1450 psi @ 1.32 US gpm)*

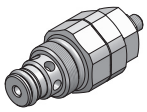
Rating diagrams

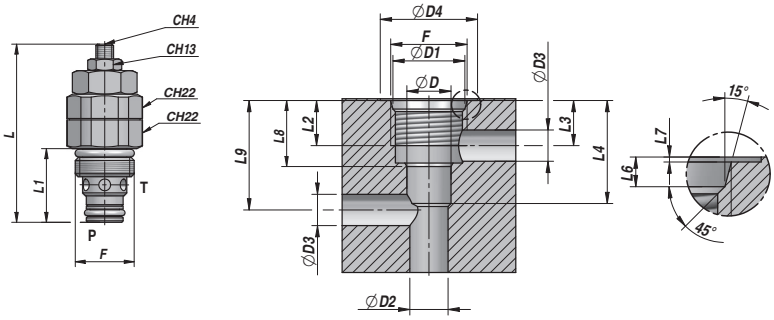
Pressure vs. flow
standard setting @ 5 l/min *(1.32 US gpm)*

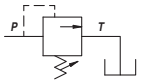


VMDC 20

LIMITEUR DE PRESSION - TYPE A CARTOUCHE
RELIEF VALVE - CARTRIDGE TYPE



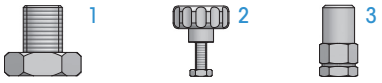




Code *Code*	F	Q MAX l/min	P MAX bar	Type *Type*	L	L1	ØD (H7)	ØD4	ØD3	L2	L8	L9	L3	L4	ØD2 max	ØD1	L6	L7	kg
VCS001.020B10	3/4-16UNF	20	400	VMDC 20-B1	73.5	27.5	12.7	28	9	15	20.6	32	13	31	11	20.7	2.7	0.5	0,12

RESSORT - *SPRING* : A= 5:60 bar - **B= 50:240 bar (Standard)** - C= 90:350 bar - D= 20:130 bar

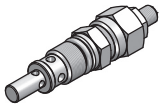
REGLAGE - *SETTING* :
1= Vis - *Screw* (Standard)
2= Volant - *Knob*
3= Vis+protection - *Screw + protection cup*

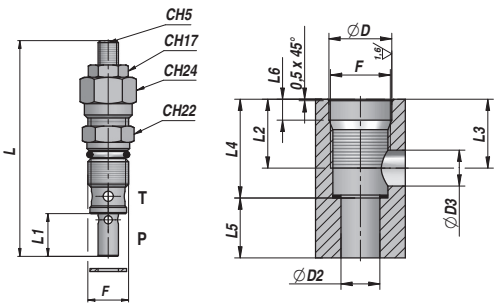


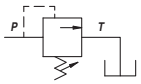
MATERIEL CORPS : ACIER — CARTOUCHE
BODY MATERIAL : STEEL — *CARTRIDGE*

VMDC 35

LIMITEUR DE PRESSION - TYPE A CARTOUCHE
RELIEF VALVE - CARTRIDGE TYPE



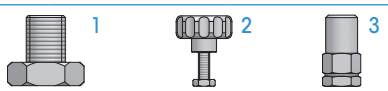




Code *Code*	F	Q MAX l/min	P MAX bar	Type *Type*	L max	L1	ØD (H7)	ØD3	L2	L3 max	L4 ±0,1	L5 min	ØD2 max	L6	kg
VCM001.035B10	M20x1.5	35	400	VMDC 35-B1	100	21	21	12	23	23	33	20	13	7	0,16

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

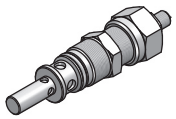
REGLAGE - *SETTING* :
1= Vis - *Screw* (Standard)
2= Volant - *Knob*
3= Vis+protection - *Screw + protection cup*

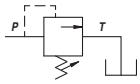


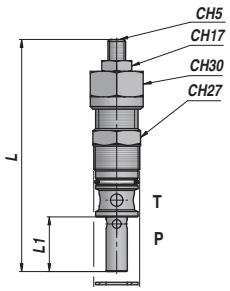
MATERIEL CORPS : ACIER — CARTOUCHE
BODY MATERIAL : STEEL — *CARTRIDGE*

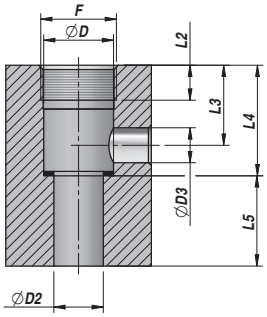
LIMITEUR DE PRESSION - TYPE A CARTOUCHE
RELIEF VALVE - CARTRIDGE TYPE

VMDC 80





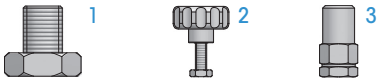




Code *Code*	F	Q MAX l/min	P MAX bar	Type *Type*	L max	L1	ØD (H7)	ØD3	L2	L3	L4 ±0,1	L5 min	ØD2	kg
VCM001.080B10	M26x1.5	80	350	VMDC 80-B1	148	31.5	24	12	12	27.5	38	31	17	0,33

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

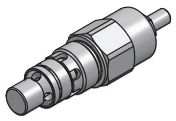
REGLAGE - *SETTING* :
1= Vis - *Screw* (Standard)
2= Volant - *Knob*
3= Vis+protection - *Screw + protection cup*

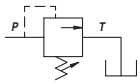


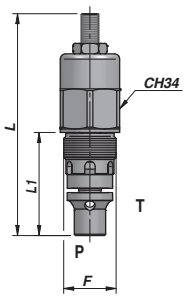
MATERIEL CORPS : ACIER — CARTOUCHE
BODY MATERIAL : STEEL — *CARTRIDGE*

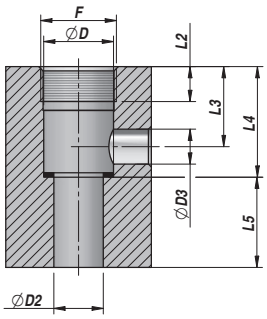
LIMITEUR DE PRESSION (CARTOUCHE DIFFERENTIELLE DEMONTABLE)
RELIEF VALVE (BUILT-IN DIFFERENTIAL CARTRIDGE)

VMDC 150





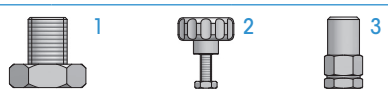




Code *Code*	F	Q MAX l/min	P MAX bar	Type *Type*	L max	L1	ØD (H7)	D3	L2	L3	L4 ±0,1	L5 min	ØD2	kg
VCM001.150B10	M30x1.5	150	350	VMDC 150-B1	127	59	26	10	16	21	39	22	24	0,47

RESSORT - *SPRING* : **B= 30:350 bar (Standard)**

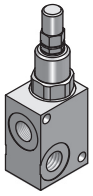
REGLAGE - *SETTING* :
1= Vis - *Screw* (Standard)
2= Volant - *Knob*
3= Vis+protection - *Screw + protection cup*

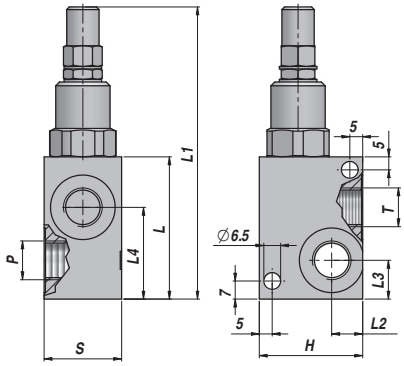


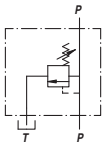
MATERIEL CORPS : ACIER — CARTOUCHE
BODY MATERIAL : STEEL — *CARTBRIDGE*

VMP/L

LIMITEUR DE PRESSION
RELIEF VALVE







Code *Code*	P BSP	T BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1	L2	L3	L4	H	S	kg
V0120.0003	1/4"	1/4"	30	300	VMP-L 1/4" C	52	114	12	13	34.0	40	30	0,47
V0120.0004	3/8"	3/8"	40	300	VMP-L 3/8" C	52	117	12	15	35.5	40	30	0,47

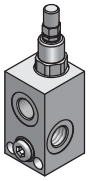
RESSORT - *SPRING* : A= 10:50 bar - **C= 10:180 bar (Standard)** - E= 80:300 bar

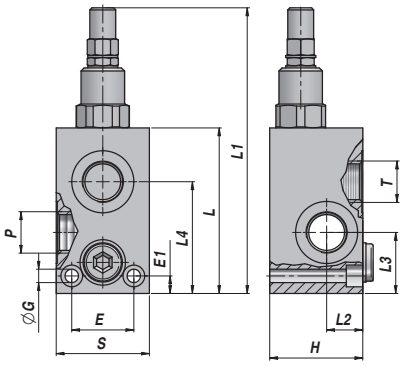
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

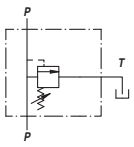
MONTAGE EN LIGNE
LINE MOUNTING

VMP

LIMITEUR DE PRESSION
RELIEF VALVE







Code *Code*	P BSP	T BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1	L2	L3	L4	ØG	E	E1	H	S	kg
V0120.0006	3/8"	3/8"	45	300	VMP 3/8" C	72	134	15.0	26.0	49.5	6.5	26	8.5	40	40	0,82
V0120.0008	1/2"	1/2"	70	300	VMP 1/2" C	77	139	17.5	29.5	54.0	6.5	30	8.5	45	45	1,06
V0120.0012	3/4"	3/4"	90	300	VMP 3/4" C	92	154	17.5	35.0	68.0	8.5	32	10.0	50	50	1,47

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

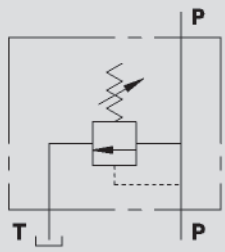
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MONTAGE EN LIGNE
LINE MOUNTING

VALVOLE DI MASSIMA PRESSIONE LEGGERE
LIGHT WEIGHT RELIEF VALVES

TIPO / TYPE
VMP L

SCHEMA IDRAULICO
HYDRAULIC DIAGRAM



IMPIEGO:
Valvola utilizzata per limitare la pressione di un circuito idraulico ad un determinato valore di taratura. Al raggiungimento di tale valore la valvola si apre e scarica la pressione in modo che questa non salga oltre il valore di taratura.

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 il ramo del circuito in pressione a P e il ramo di scarico a T. L'attacco P è reversibile.

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:
The relief valve limits the maximum pressure in a circuit to the valve's setting.
When the circuit pressure reaches the setting, the valve opens and stops the circuit pressure going any higher.

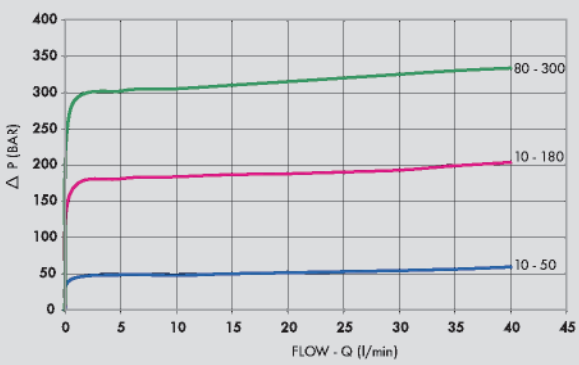
MATERIALS AND FEATURES:
Body: zinc-plated steel.
Internal parts: hardened and ground steel.
Seals: BUNA N standard.
Leakage: Guided poppet - negligible leakage.

CONNECTIONS:
Connect circuit port with pressure to P and tank port to T. Port P is reversible.

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

PRESSIONE / PORTATA
PRESSURE / FLOW

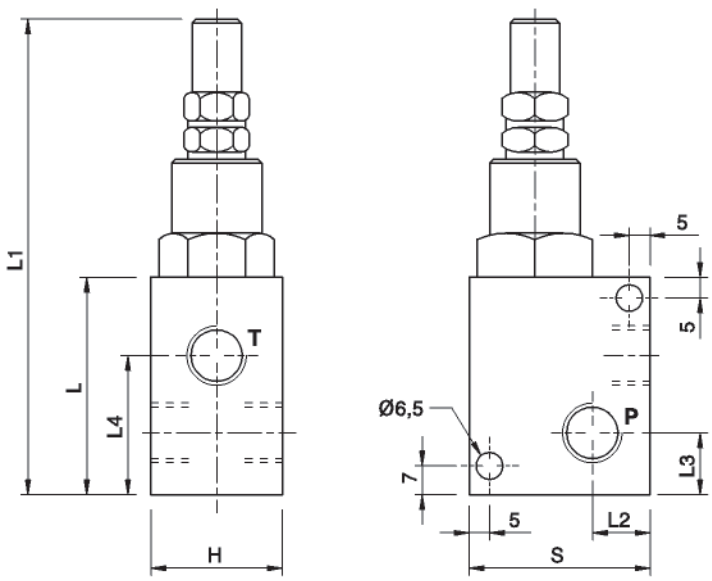
Temperatura olio: 50°C - Viscosità olio: 30 cSt
Oil temperature: 50° C - Oil viscosity: 30 cSt



CODICE CODE	SIGLA TYPE	PORTATA MAX MAX FLOW Lt. / min	PRESSIONE MAX MAX PRESSURE Bar
V0689/000*	VMP 1/4" L	30	350
V0690/000*	VMP 3/8" L	40	350

*000 = specificare valore della molla desiderata. Vedi tabella sotto.
*000 = please specify the desired setting range. See the table below.

4



CODICE CODE	SIGLA TYPE	P - T GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	H mm	S mm	PESO WEIGHT Kg
V0689/000*	VMP 1/4" L	G 1/4"	52	114	12	13	35	30	40	0,474
V0690/000*	VMP 3/8" L	G 3/8"	55	117	12	15	35,5	30	40	0,472

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
10 - 180 standard	30	90
80 - 300	50	150

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

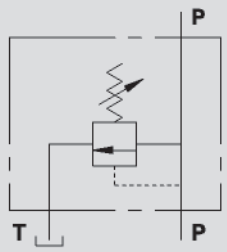
REGOLAZIONE - ADJUSTEMENT

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 DI MASSIMA PRESSIONE
RELIEF VALVES

TIPO / TYPE
VMP

SCHEMA IDRAULICO
HYDRAULIC DIAGRAM



IMPIEGO:
Valvola utilizzata per limitare la pressione di un circuito idraulico ad un determinato valore di taratura. Al raggiungimento di tale valore la valvola si apre e scarica la pressione in modo che questa non salga oltre il valore di taratura.

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 il ramo del circuito in pressione a P e il ramo di scarico a T. L'attacco P è reversibile.

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

USE AND OPERATION:
The relief valve limits the maximum pressure in a circuit to the valve's setting.
When the circuit pressure reaches the setting, the valve opens and stops the circuit pressure going any higher.

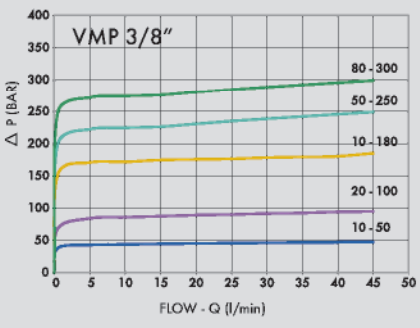
MATERIALS AND FEATURES:
Body: zinc-plated steel.
Internal parts: hardened and ground steel.
Seals: BUNA N standard.
Leakage: Guided poppet - negligible leakage.

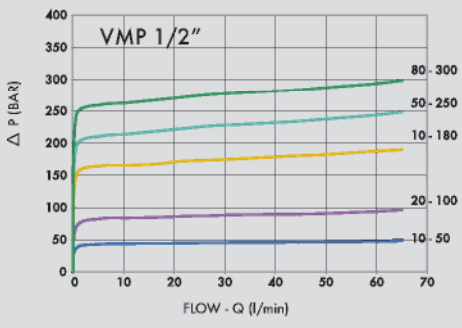
CONNECTIONS:
Connect circuit port with pressure to P and tank port to T. Port P is reversible.

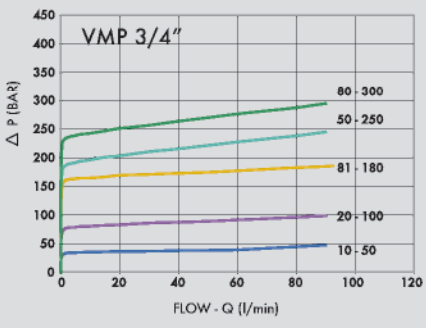
ON REQUEST
- different setting range (see the table)
- other setting available (CODE/T000 please specify the desired setting)

PRESSIONE / PORTATA
PRESSURE / FLOW

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

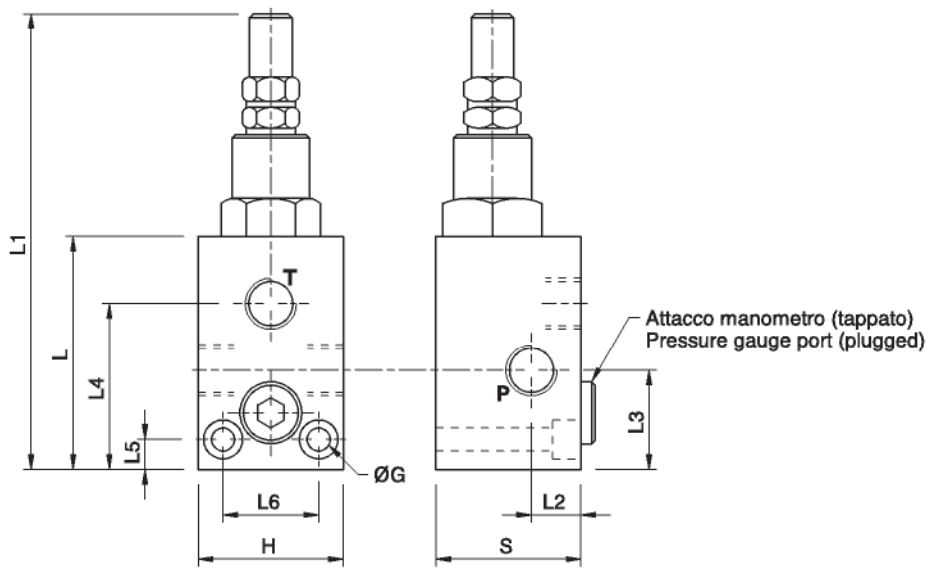






CODICE CODE	SIGLA TYPE	PORTATA MAX MAX FLOW Lt. / min	PRESSIONE MAX MAX PRESSURE Bar
V0700/000*	VMP 3/8"	45	350
V0710/000*	VMP 1/2"	70	350
V0720/000*	VMP 3/4"	90	350

*000 = specificare valore della molla desiderata. Vedi tabella sotto.
*000 = please specify the desired setting range. See the table below.



CODICE CODE	SIGLA TYPE	P - T GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	G mm	H mm	S mm	PESO WEIGHT kg
V0700/000*	VMP 3/8"	G 3/8"	72	134	15	26	49,5	8,5	26	6,5	40	40	0,824
V0710/000*	VMP 1/2"	G 1/2"	77	139	17,5	29,5	54	8,5	30	6,5	45	45	1,058
V0720/000*	VMP 3/4"	G 3/4"	92	154	20	35	68	10	32	8,5	50	50	1,470

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

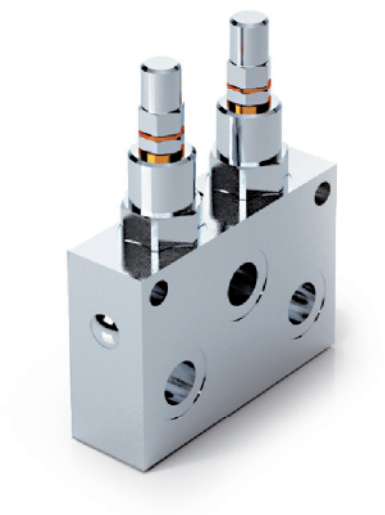
REGOLAZIONE - ADJUSTEMENT

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

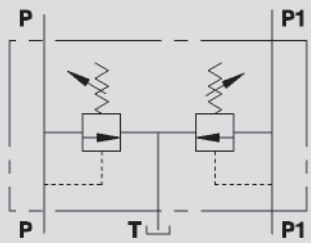
*** Per tarature inferiori a 70 Bar: Q = 12l/min** * For setting less than 70 Bar: Q = 12 l/min

VALVOLE DI MASSIMA PRESSIONE DOPPIE
DOUBLE RELIEF VALVES

TIPO / TYPE
VMPD



SCHEMA IDRAULICO
HYDRAULIC DIAGRAM



IMPIEGO:
Costituita da due valvole di massima pressione, questa valvola è utilizzata per limitare la pressione di un circuito idraulico a due linee con scarico unico. Consente la regolazione indipendente di due linee di taratura.

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 le bocche P e P1 all'alimentazione, le bocche P e P1 rimanenti alle linee da regolare in senso opposto e T al ramo di scarico.

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 by 2 relief valves, the double relief valve provides overload protection in 2 hydraulic lines with 1 tank connection. It allows 2 different pressure settings.

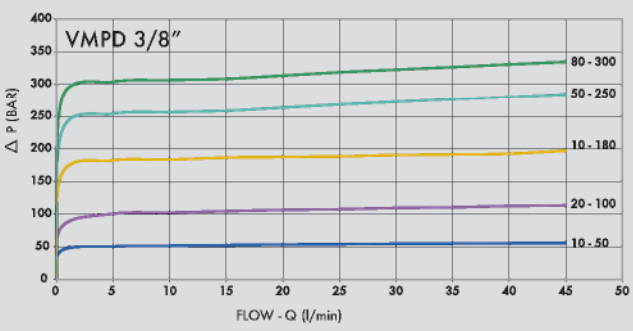
MATERIALS AND FEATURES:
Body: zinc-plated steel.
Internal parts: hardened and ground steel.
Seals: BUNA N standard.
Leakage: Guided poppet - negligible leakage.

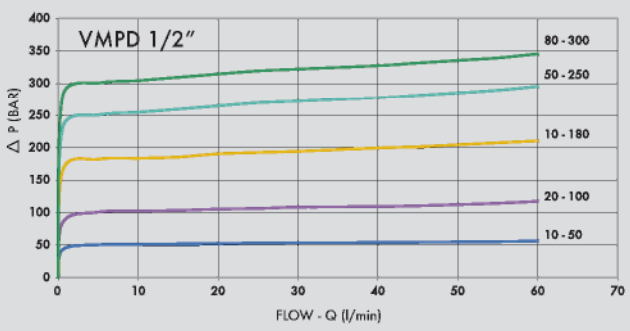
CONNECTIONS:
Connect P and P1 to the pressure flow, the remaining P1 and P ports to the 2 lines to be controlled but in the reverse way; connect T to the tank.

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

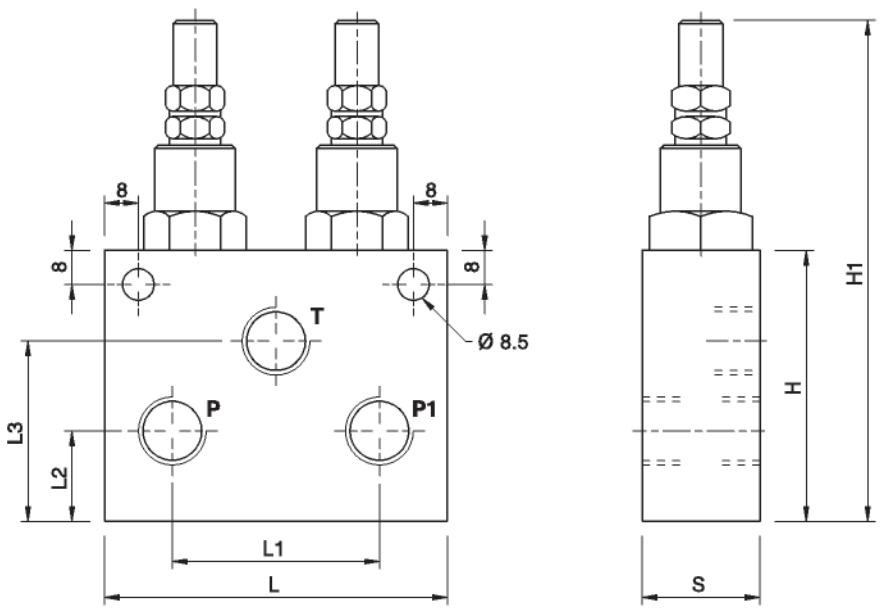




CODICE CODE	SIGLA TYPE	PORTATA MAX MAX FLOW Lt. / min	PRESSIONE MAX MAX PRESSURE Bar
V0732/000*	VMPD 3/8"	45	350
V0734/000*	VMPD 1/2"	70	350

*000 = specificare valore della molla desiderata. Vedi tabella sotto.
*000 = please specify the desired setting range. See the table below.

4



CODICE CODE	SIGLA TYPE	P - T GAS	L mm	L1 mm	L2 mm	L3 mm	H mm	H1 mm	S mm	PESO/ WEIGHT Kg
V0732/000*	VMPD 3/8"	G 3/8"	98	62	24	46	70	132	35	1,508
V0734/000*	VMPD 1/2"	G 1/2"	98	65	24	46	70	132	35	1,482

MOLLE STANDARD - STANDARD 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

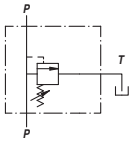
*Per tarature inferiori a 70 Bar: Q = 12 l/min *For setting less than 70 Bar: Q = 12 l/min

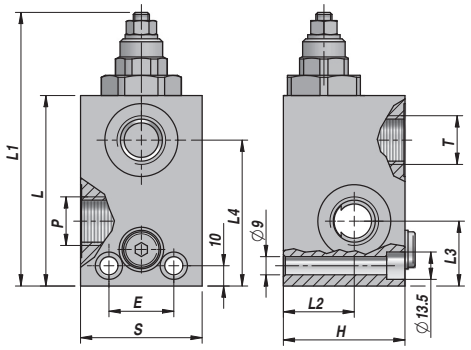
REGOLAZIONE - ADJUSTEMENT

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

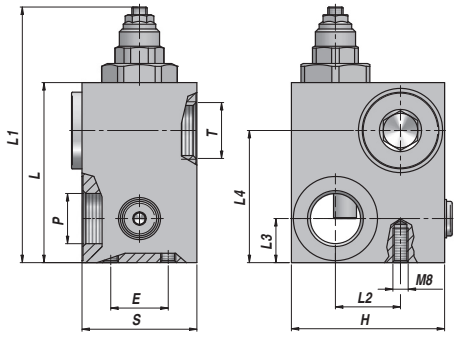
LIMITEUR DE PRESSION (TYPE DIFFERENTIEL)
RELIEF VALVE (DIFFERENTIAL TYPE)

VMPP

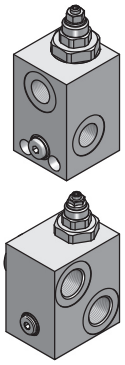




VMPP 3/4´´ P



VMPP 1´´ P



Code *Code*	P BSP	T BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1	L2	L3	L4	E	H	S	kg
V0120.3512	3/4"	3/4"	120	400	VMPP 3/4" P	94	146	35	32	70	32	60	60	2,20
V0120.3516	1"	1"	160	400	VMPP 1" P	94	146	34	23	71	30	60	60	2,90

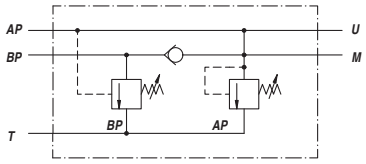
RESSORT - *SPRING* : N= 20:200 bar - P= 50:400 bar (Standard)

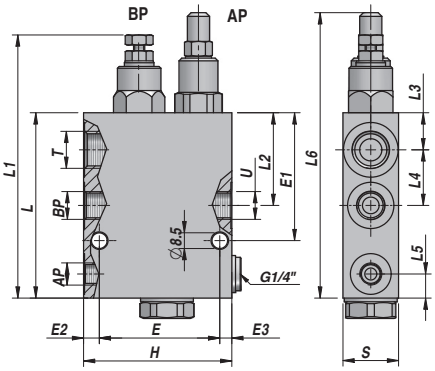
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

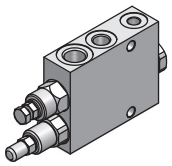
MONTAGE EN LIGNE
LINE MOUNTING

VALVE D'EXCLUSION HAUTE/BASSE PRESSION
"HI-LOW" UNLOADING VALVE

VABP







Code *Code*	AP BSP	BP-U BSP	T BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1	L2	L3	L4	L5	L6	E	E1	E2	E3	H	S	kg
V1290.0512	1/4"	3/8"	1/2"	60	300	VABP 3/8"	100	142	50.0	20	30.0	13	155	65	69	8.5	6.5	80	30	1,75
V1290.0513	3/8"	1/2"	3/4"	80	350	VABP 1/2"	105	147	54.0	18	36.0	15	160	65	73	17.0	8.0	90	35	2,33
V1290.0514	1/2"	3/4"	1"	120	350	VABP 3/4"	140	187	52.5	20	42.5	20	212	65	95	27.0	8.0	100	40	3,97

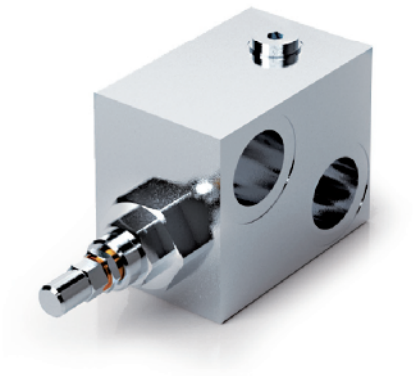
RESSORT "BP" - *"BP" SPRING* : B= 20:80 bar (Standard)
RESSORT "AP" - *"AP" SPRING* : D= 50:350 bar (Standard)

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

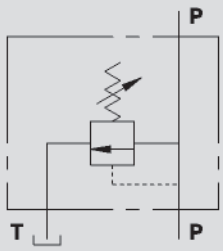
MONTAGE EN LIGNE
LINE MOUNTING

VALVOLE DI MASSIMA PRESSIONE DIFFERENZIATA
DIFFERENTIAL AREA RELIEF VALVES

TIPO / TYPE
VMPP



SCHEMA IDRAULICO
HYDRAULIC DIAGRAM



IMPIEGO:
Valvola utilizzata per limitare la pressione di un circuito idraulico ad un determinato valore di taratura. Al raggiungimento di tale valore la valvola si apre e scarica la pressione in modo che questa non salga oltre il valore di taratura. Questa valvola differenziata è leggermente più lenta all'apertura ma rimane 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 il ramo del circuito in pressione a P e il ramo di scarico a T. La versione da 1" viene fornita con doppia uscita T (una da tappare secondo le necessità di montaggio).

A RICHIESTA
- molle per diversi campi di taratura (vedi tabella)
- pressioni di taratura specifiche (CODICE/T 000 specificando il valore di taratura)

PRESSIONE / PORTATA
PRESSURE / FLOW

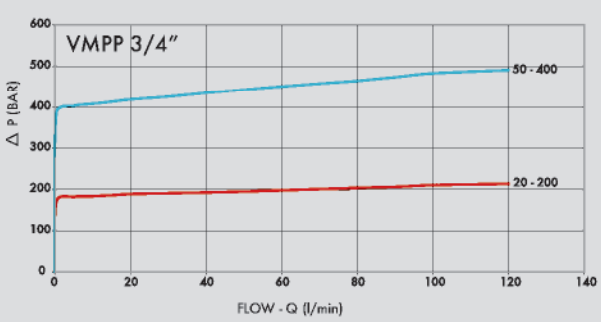
USE AND OPERATION:
The relief valve provides overload protection in a fast and accurate way: when it reaches pressure setting, the valve opens allowing pressure relief in order not to exceed this setting. The valve differential opening is slower than the standard one, but the setting is more consistent to changing flow rate.

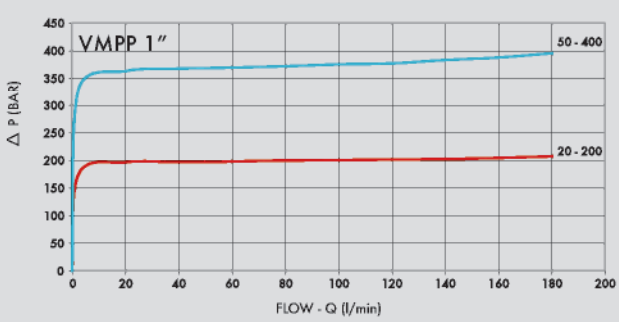
MATERIALS AND FEATURES:
Body: zinc-plated steel.
Internal parts: hardened and ground steel.
Seals: BUNA N standard.
Leakage: Guided poppet - negligible leakage.

CONNECTIONS:
Connect circuit port with pressure to P and tank port to T. The 1" size is supplied with double exit T (1 exit can be capped according with mounting needs).

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

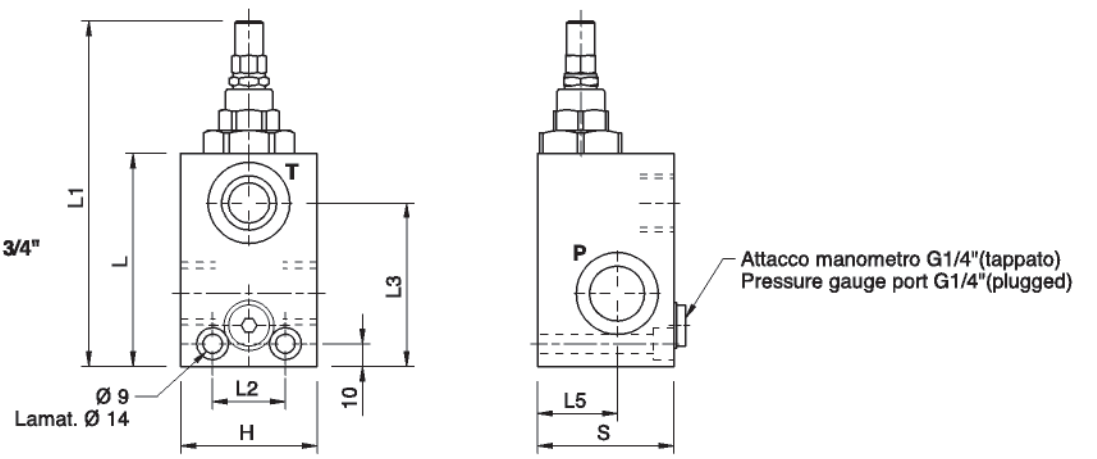




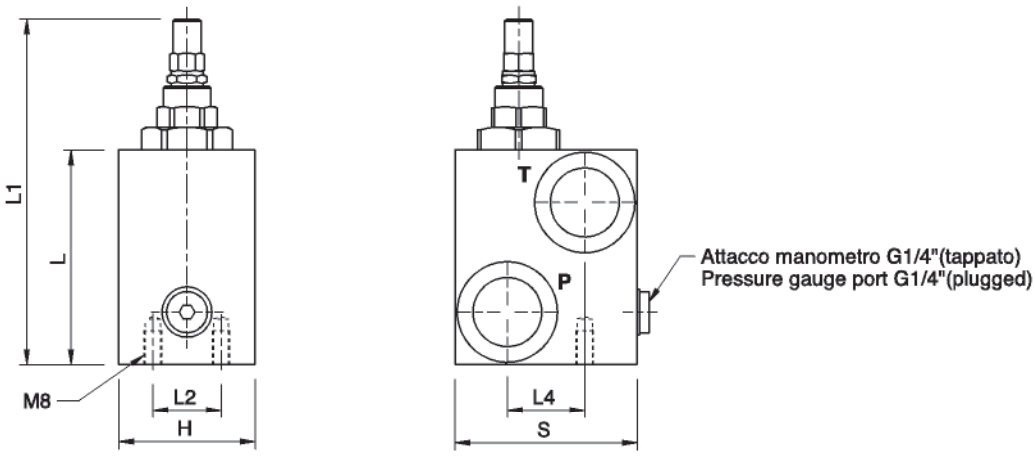
CODICE CODE	SIGLA TYPE	PORTATA MAX MAX FLOW Lt. / min	PRESSIONE MAX MAX PRESSURE Bar
V0725/000*	VMPP 3/4"	120	350
V0735/000*	VMPP 1"	160	350

*000 = specificare valore della molla desiderata. Vedi tabella sotto.
*000 = please specify the desired setting range. See the table below.

VMPP G 3/4"



VMPP G 1"



CODICE CODE	SIGLA TYPE	P - T GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	H mm	S mm	PESO/ WEIGHT Kg
V0725/000*	VMPP 3/4"	G 3/4"	94	156	32	70	35	32	60	60	2,200
V0735/000*	VMPP 1"	G 1"	94	156	30	71	34	23	60	80	2,870

MOLLE - SPRINGS

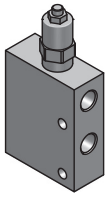
campo di taratura Setting range (bar)	Incremento bar per giro Pressure increase (bar/turn) Q= 4l/min	Taratura standard Standard setting (bar)
20 - 200	40	160
50 - 400 standard	80	180

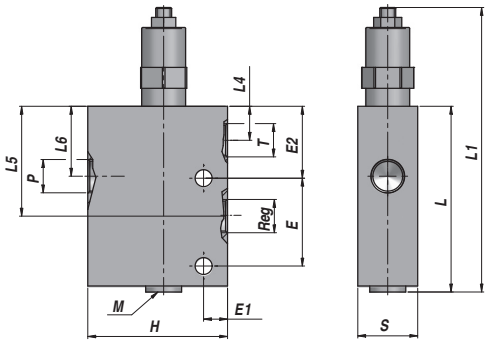
REGOLAZIONE - ADJUSTEMENT

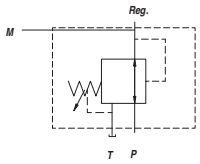
CODICE/V • CODE/V	Volantino • Handknob
CODICE/PP • CODE/PP	Predisposizione alla piombatura • Arranged for sealing cap
CODICE/P • CODE/P	Piombatura • Sealing cap

VRP

REDUCTEUR DE PRESSION
PRESSURE REDUCING VALVE







Code *Code*	P-T-Reg BSP	M BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1	L4	L5	L6	E	E1	E2	H	S	kg
V1190.0704165	3/8"	1/4"	30	350	VRP 3/8"-B	90	168	17	55	35	44	12	36	70	30	1,53
V1190.0706165	1/2"	1/4"	30	350	VRP 1/2"-B	90	168	17	55	35	44	12	36	70	30	1,47

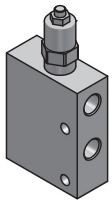
RESSORT - *SPRING* : A= 15:55 bar - **B= 30:165 bar (Standard)**

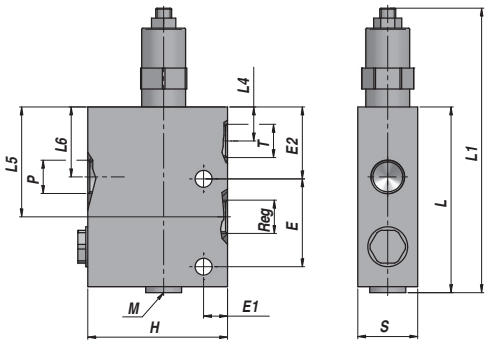
MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

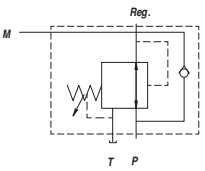
MONTAGE EN LIGNE
LINE MOUNTING

VRPRL

REDUCTEUR DE PRESSION + CLAPET ANTI-RETOUR
PRESSURE REDUCING VALVE WITH CHECK VALVE







Code *Code*	P-T-Reg BSP	M BSP	Q MAX l/min	P MAX bar	Type *Type*	L	L1	L4	L5	L6	E	E1	E2	H	S	kg
V1190.0705165	3/8"	1/4"	30	350	VRPRL 3/8"-B	90	168	17	55	35	44	12	36	70	30	1,53
V1190.0707165	1/2"	1/4"	30	350	VRPRL 1/2"-B	90	168	17	55	35	44	12	36	70	30	1,47

RESSORT - *SPRING* : A= 15:55 bar - **B= 30:165 bar (Standard)**

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

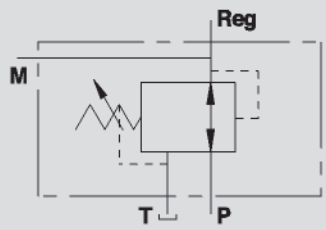
MONTAGE EN LIGNE
LINE MOUNTING

VALVOLA RIDUTTRICE DI PRESSIONE DIRETTA
DIRECT ACTING PRESSURE REDUCING VALVE

TIPO / TYPE

VRP

SCHEMA IDRAULICO
HYDRAULIC DIAGRAM



IMPIEGO:
Valvola che permette di mantenere costante la pressione a valle indipendentemente dalla pressione a monte.

USE AND OPERATION:
This valve maintains a constant downstream pressure irrespective of the upstream pressure.

MATERIALI E CARATTERISTICHE:
Corpo: acciaio zincato.
Componenti interni: acciaio temprato termicamente e rettificato.
Guarnizioni: BUNA N standard.
Trafilamento: 70 cc/min (con 350 Bar alla bocca P).

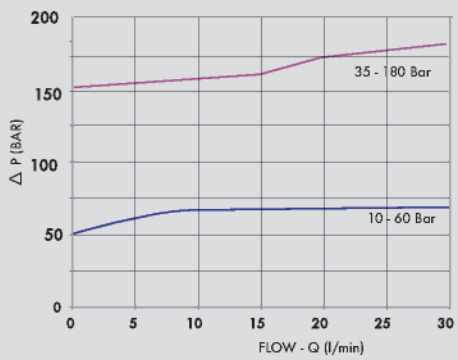
MATERIALS AND FEATURES:
Body: zinc-plated steel.
Internal parts: hardened and ground steel.
Seals: BUNA N standard.
Leakage: 70 cc/min (350 Bar to port P).

MONTAGGIO:
Collegare P al circuito principale, Reg. al circuito dove si desidera ridurre la pressione e T allo scarico.

CONNECTIONS:
Connect P to the main circuit, Reg. to the circuit where you want the reduced pressure and T to the tank.

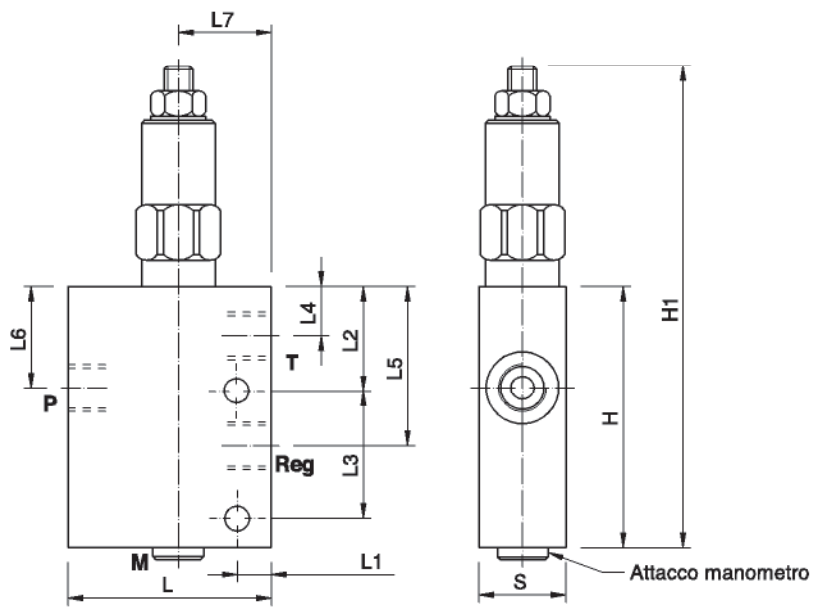
PRESSIONE/PORTATA
PRESSURE /FLOW

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
V0704/000*	VRP 3/8"	30	350
V0706/000*	VRP 1/2"	30	350

*000 = specificare valore della molla desiderata. Vedi tabella sotto.
*000 = please specify the desired setting range. See the table below.



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CODICE CODE	SIGLA TYPE	P - T - Reg GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	L7 mm	H mm	H1 mm	S mm	PESO/ WEIGHT Kg
V0704/000*	VRP 3/8"	3/8"	70	12	36	44	17	55	35	32	90	168	30	1,530
V0706/000*	VRP 1/2"	1/2"	70	12	36	44	17	55	35	32	90	168	30	1,468

CODICE CODE	CAMPO DI TARATURA SETTING RANGE (Bar)
COD/060	10 - 60
COD/180	35 - 180 standard

REGOLAZIONE - ADJUSTEMENT

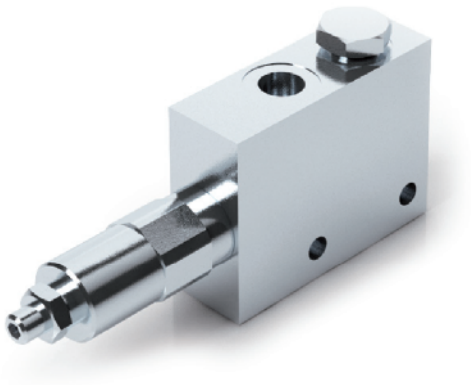
CODICE/V • CODE/V	Volantino • Handknob
CODICE/PP • CODE/PP	Predisposizione alla piombatura • Arranged for sealing cap
CODICE/P • CODE/P	Piombatura • Sealing cap

VALVOLA RIDUTTRICE DI PRESSIONE DIRETTA CON RITORNO LIBERO

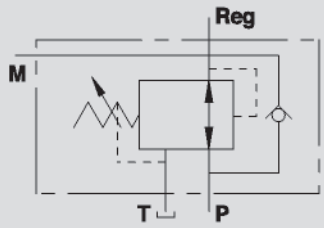
DIRECT ACTING PRESSURE REDUCING VALVE WITH CHECK VALVE

TIPO / TYPE

VRPRL



SCHEMA IDRAULICO
HYDRAULIC DIAGRAM



IMPIEGO:
Valvola che permette di mantenere costante la pressione a valle indipendentemente dalla pressione a monte. La presenza della valvola di non ritorno consente il libero ritorno dell'olio.

MATERIALI E CARATTERISTICHE:
Corpo: acciaio zincato.
Componenti interni: acciaio temprato termicamente e rettificato.
Guarnizioni: BUNA N standard.
Trafilamento: 70 cc/min (con 350 Bar alla bocca P).

MONTAGGIO:
Collegare P al circuito principale, Reg. al circuito dove si desidera ridurre la pressione e T allo scarico.

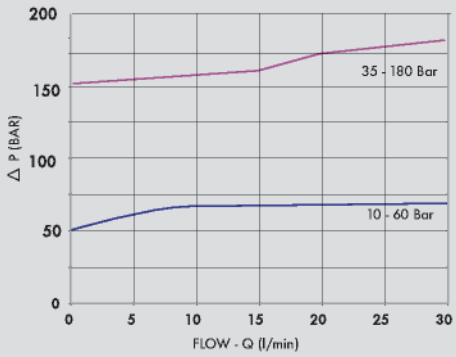
USE AND OPERATION:
This valve maintains a constant downstream pressure irrespective of the upstream pressure.
the check valve allows for the free flow of oil in the reverse direction

MATERIALS AND FEATURES:
Body: zinc-plated steel.
Internal parts: hardened and ground steel.
Seals: BUNA N standard.
Leakage: 70 cc/min (350 Bar to port P).

CONNECTIONS:
Connect P to the main circuit, Reg. to the circuit where you want the reduced pressure and T to the tank.

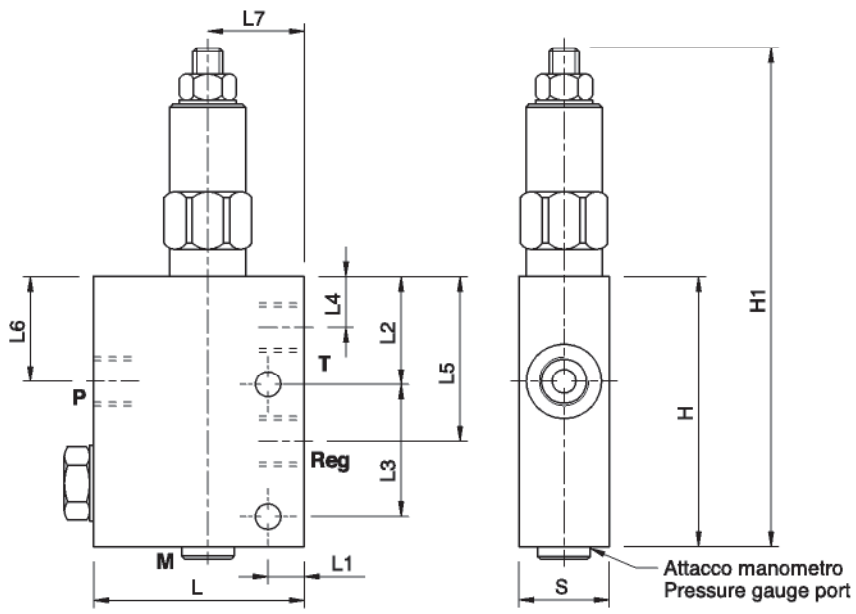
PRESSIONE/PORTATA
PRESSURE/FLOW

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
V0705/000*	VRPRL 3/8"	30	350
V0707/000*	VRPRL 1/2"	30	350

*000 = specificare valore della molla desiderata. Vedi tabella sotto.
*000 = please specify the desired setting range. See the table below.



7

CODICE CODE	SIGLA TYPE	P - T - Reg GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	L7 mm	H mm	H1 mm	S mm	PESO/ WEIGHT Kg
V0705/000*	VRPRL 3/8"	3/8"	70	12	36	44	17	55	35	32	90	168	30	1,530
V0707/000*	VRPRL 1/2"	1/2"	70	12	36	44	17	55	35	32	90	168	30	1,468

CODICE CODE	CAMPO DI TARATURA SETTING RANGE (Bar)
COD/060	10 - 60
COD/180	35 - 180 standard

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