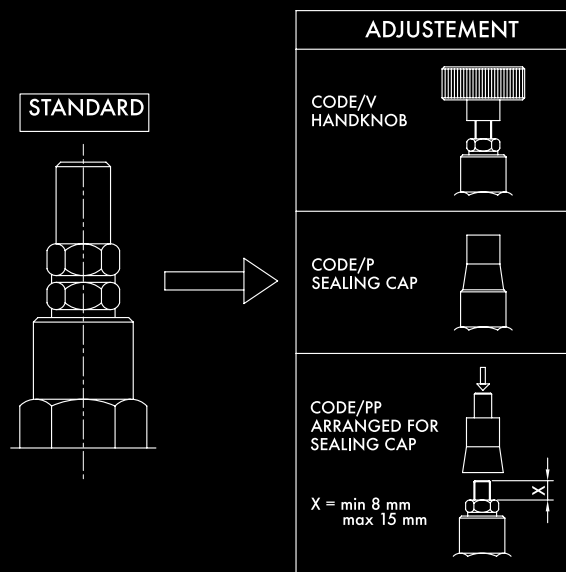




Druckbegrenzungsventile RELIEF VALVES

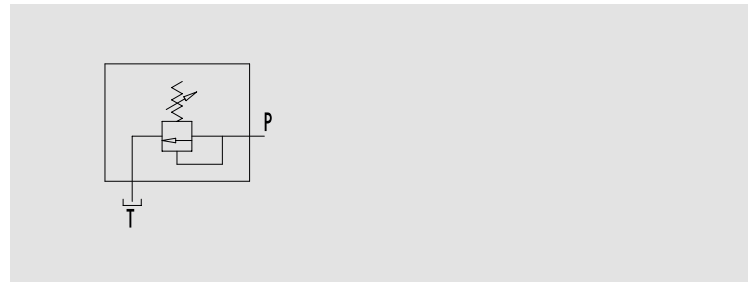
In the standard version the setting pressure regulation is made by a screw protected by a steel cap. On request handknob type regulation are available in place of the socket screw. These valves can be supplied with special sealing caps for service or lockwire (CODE/P) or prepared for lockwire (CODE/PP)



Druckbegrenzungsventil - Einsatz - max. 20l

TYPE
VMPC

HYDRAULIC DIAGRAM



20 CARTRIDGE RELIEF VALVE

USE AND OPERATION:

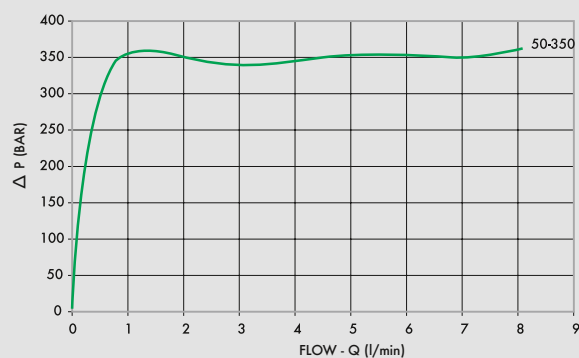
The relief valve provides overload protection in a fast and accurate way: when it reaches pressure setting, the valve open allowing pressure relief in order not to exceed this setting.

MATERIALS AND FEATURES:

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

APPLICATIONS:

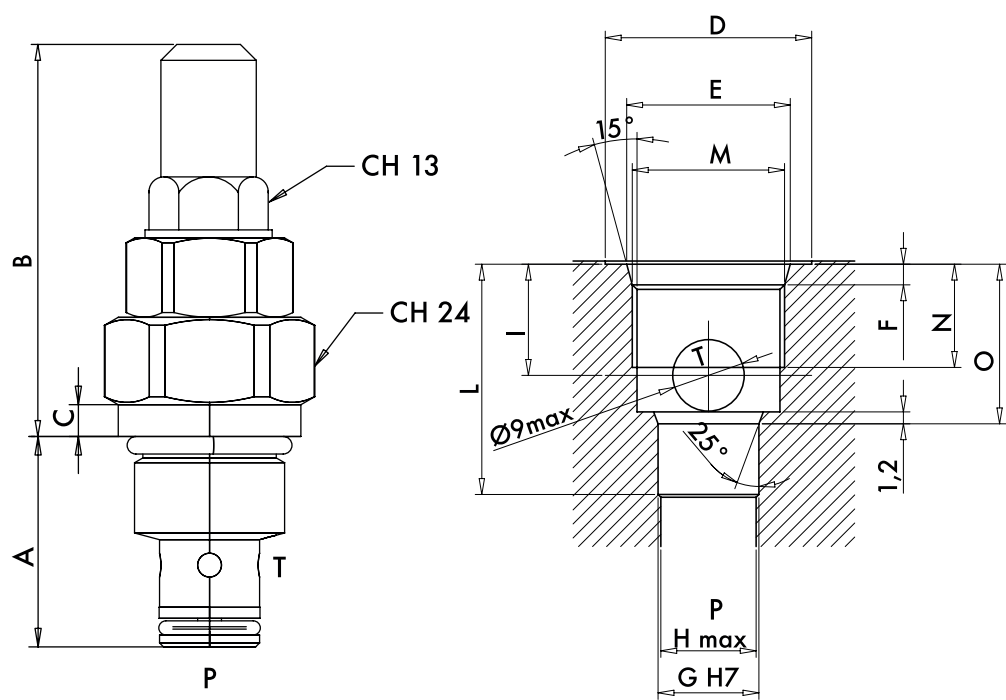
Fit the valve in the cavity.



CODE	TYPE	MAX FLOW Lt. / min	PRESSURE RANGE Bar
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VC0200/350	VMPC 20 50-350 BAR	20	50 - 350
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4



CODE	TYPE	M SAE	A mm	B mm	C mm	ØD mm	ØE mm	F mm	ØG mm	ØH mm	I mm	L mm	N mm	O mm	WEIGHT kg
VC0200/350	VMPC 20 50-350 BAR	3/4"-16	25,4	49,5	4	26	20,6	2,6	12,7	12	14	29	13	20,5	0,110

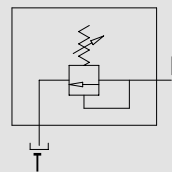
ADJUSTEMENT

CODE/V	• Handknob
CODE/PP	• Arranged for sealing cap
CODE/PP	• Sealing cap

Druckbegrenzungsventil - Einsatz - max. 35l

TYPE
VMPC

HYDRAULIC DIAGRAM



35 CARTRIDGE RELIEF VALVE

USE AND OPERATION:

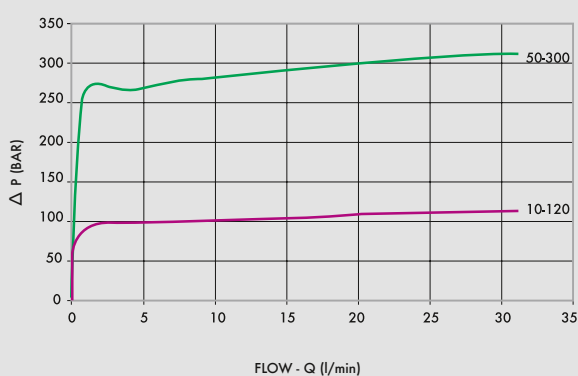
The relief valve provides overload protection in a fast and accurate way: when it reaches pressure setting, the valve open allowing pressure relief in order not to exceed this setting.

MATERIALS AND FEATURES:

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

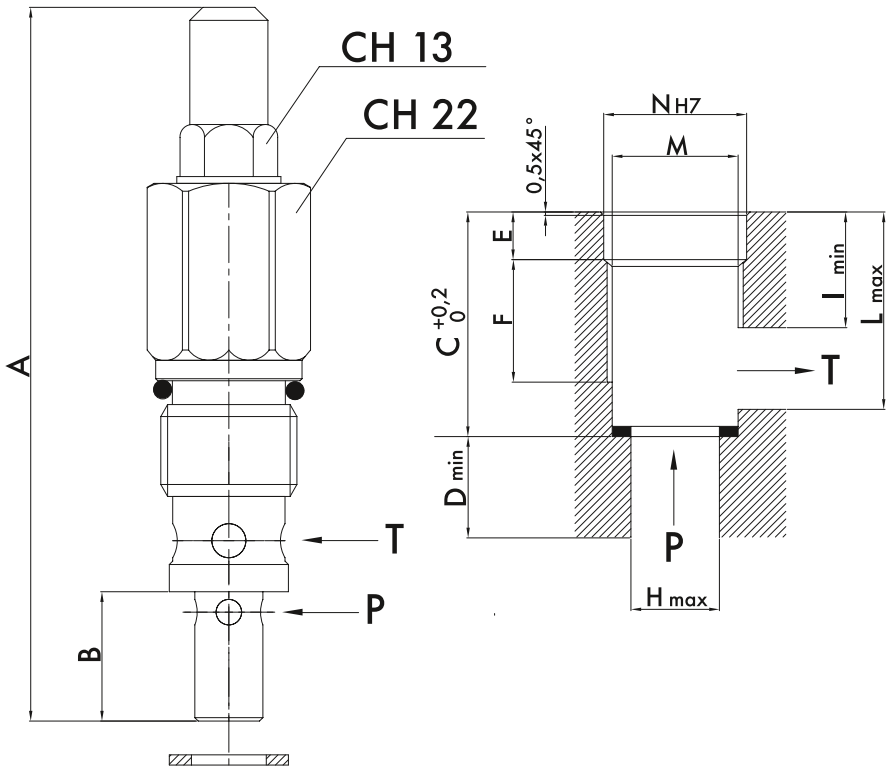
APPLICATIONS:

Fit the valve in the cavity.



CODE	TYPE	MAX FLOW Lt. / min	PRESSURE RANGE Bar
VC0350/120	VMPC 35 10-120 BAR	35	10-120
VC0350/300	VMPC 35 50-300 BAR	35	50-300

4



CODE	TYPE	M MET	A mm	B mm	C mm	D mm	E mm	F mm	ØH mm	I mm	L mm	ØN mm	WEIGHT kg
VC0350/120	VMPC 35 10-120 BAR	M20X1,5	104	19	34,5	21	7	16	13	18	29	21	0,155
VC0350/300	VMPC 35 50-300 BAR	M20X1,5	104	19	34,5	21	7	16	13	18	29	21	0,155

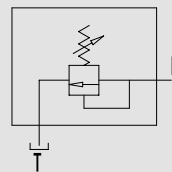
ADJUSTEMENT

CODE/V	• Handknob
CODE/PP	• Arranged for sealing cap
CODE/PP	• Sealing cap

Druckbegrenzungsventil - Einsatz - max. 80l

TYPE
VMPC

HYDRAULIC DIAGRAM



80 CARTRIDGE RELIEF VALVE

USE AND OPERATION:

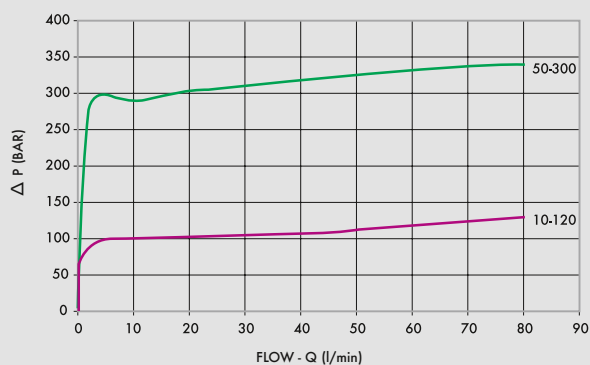
The relief valve provides overload protection in a fast and accurate way: when it reaches pressure setting, the valve open allowing pressure relief in order not to exceed this setting.

MATERIALS AND FEATURES:

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

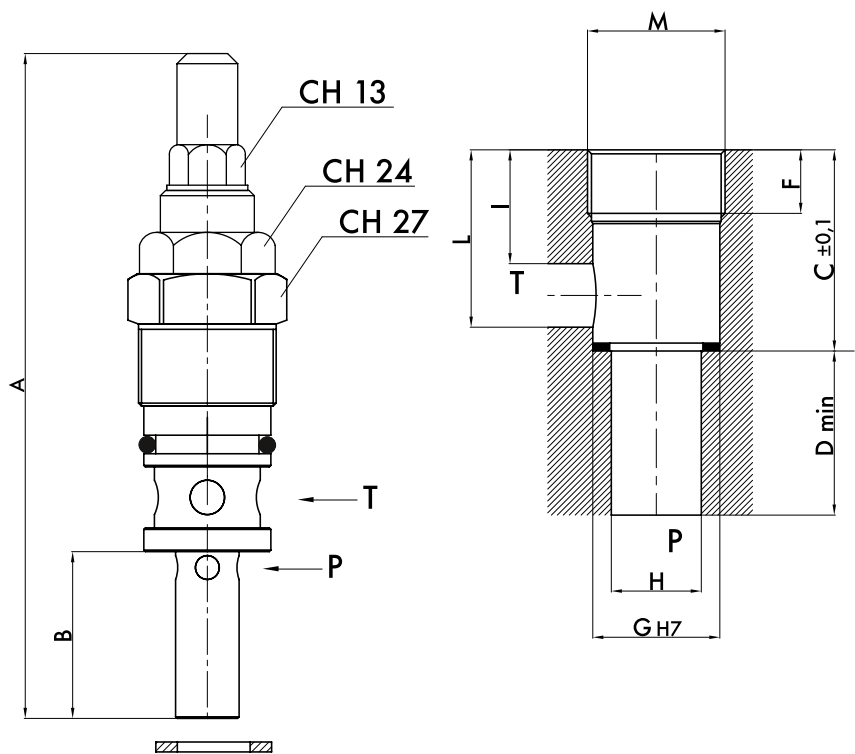
APPLICATIONS:

Fit the valve in the cavity.



CODE	TYPE	MAX FLOW Lit. / min	PRESSURE RANGE Bar
VC0800/120	VMPC 80 10-120 BAR	80	10-120
VC0800/300	VMPC 80 50-300 BAR	80	50-300

4



CODE	TYPE	M MET	A mm	B mm	C mm	D mm	F mm	ØG mm	ØH mm	I mm	L mm	WEIGHT kg
VC0350/120	VMPC 80 10-120 BAR	M26X1,5	134	31,5	39	33	13,5	24	17	22	34	0,240
VC0350/300	VMPC 80 50-300 BAR	M26X1,5	134	31,5	39	33	13,5	24	17	22	34	0,240

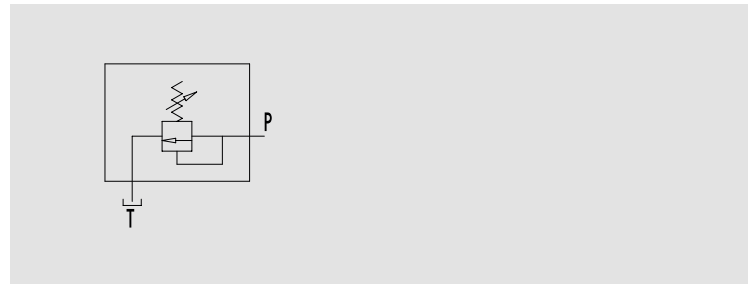
ADJUSTEMENT

CODE/V	• Handknob
CODE/PP	• Arranged for sealing cap
CODE/PP	• Sealing cap

Druckbegrenzungsventil - ölstromunempfindlich Einsatz - max. 120l

TYPE
VMPC

HYDRAULIC DIAGRAM



DIFFERENTIAL 120 CARTRIDGE RELIEF VALVE

USE AND OPERATION:

The relief valve provides overload protection in a fast and accurate way: when it reaches pressure setting, the valve open allowing pressure relief in order not to exceed this setting.

MATERIALS AND FEATURES:

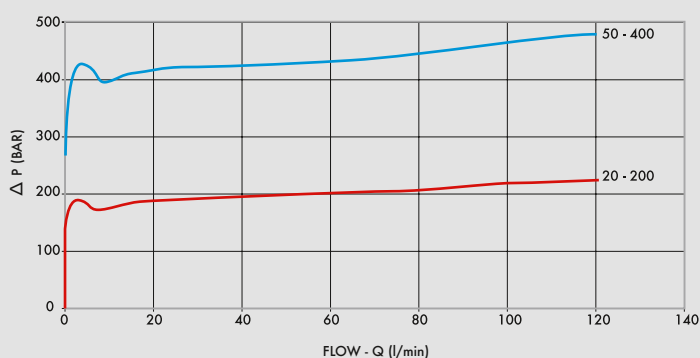
Body: zinc-plated steel.
Internal parts: hardened and ground steel
Seals: BUNA N standard
Poppet type: minor leakage

APPLICATIONS:

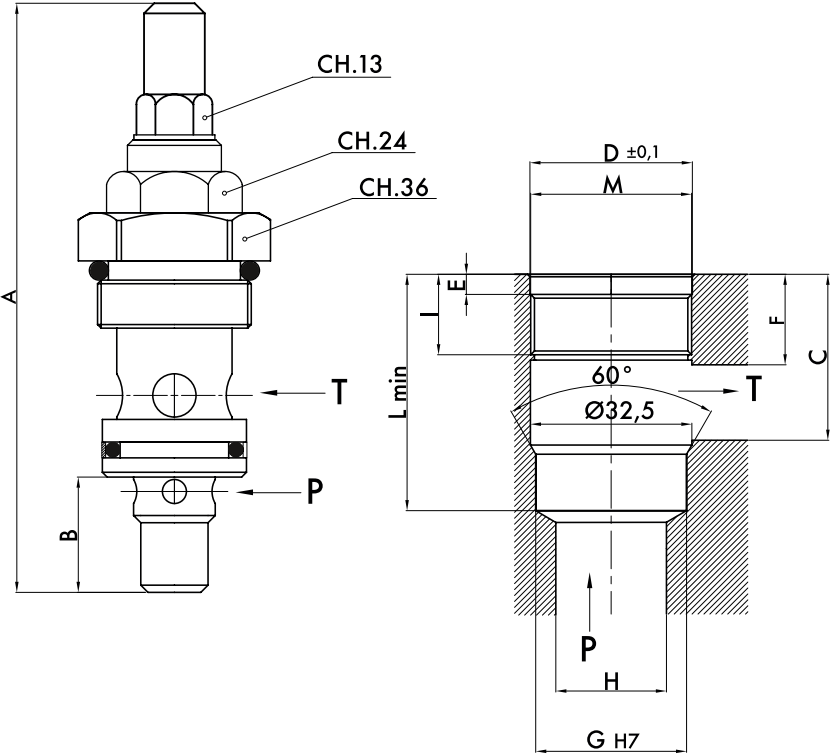
Fit the valve in the cavity.

PRESSURE / FLOW

Oil temperature: 50° C - Oil viscosity: 30 cSt



CODE	TYPE	MAX FLOW Lt. / min	PRESSURE RANGE Bar
VC1200/200	VMPC 120 20-200 BAR	120	20-200
VC1200/400	VMPC 120 50-400 BAR	120	50-400



CODE	TYPE	M MET	A mm	B mm	C mm	D mm	E mm	F mm	ØG mm	ØH mm	I mm	L mm	WEIGHT kg
VC1200/200	VMPC 120 20-200 BAR	M32X1,5	120	24	32	32,3	4	17	30	22	16	48	0,350
VC1200/400	VMPC 120 50-400 BAR	M32X1,5	120	24	32	32,3	4	17	30	22	16	48	0,350

ADJUSTEMENT

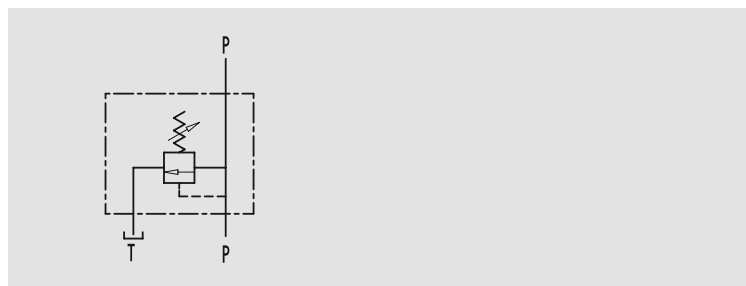
CODE/V	• Handknob
CODE/PP	• Arranged for sealing cap
CODE/PP	• Sealing cap

Druckbegrenzungsventil - leicht



TYPE
VMP L

HYDRAULIC DIAGRAM



LIGHT RELIEF VALVES

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.

MATERIALS AND FEATURES:

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

APPLICATIONS:

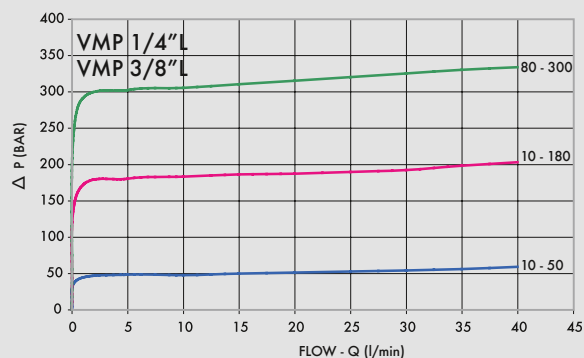
Connect circuit port with pressure to P and tank port to T. Port P is reversible.

ON REQUEST

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

PRESSURE / FLOW

Oil temperature: 50° C - Oil viscosity: 30 cSt



CODE

TYPE

MAX FLOW
Lt. / min**V0689**

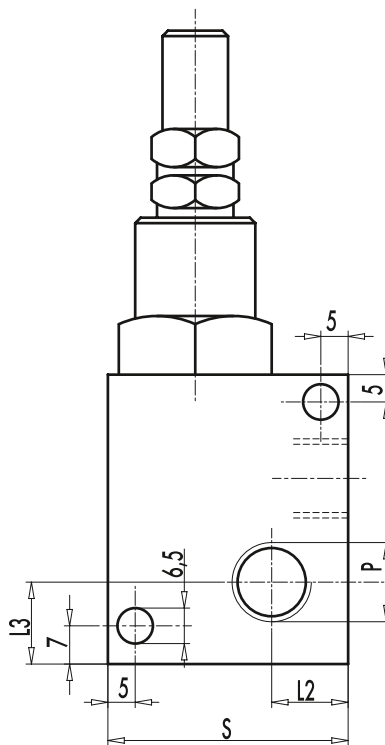
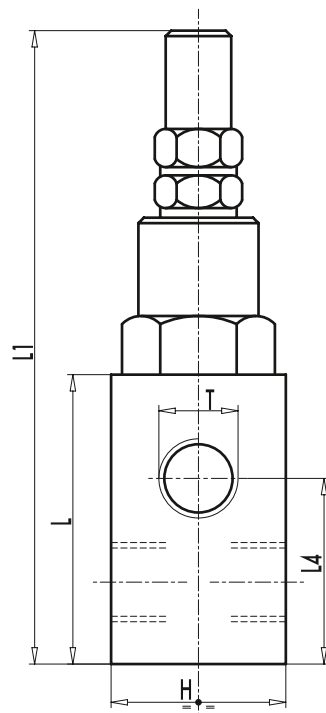
VMP 1/4" L

30

V0690

VMP 3/8" L

40



CODE	TYPE	P - T GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	H mm	S mm	WEIGHT Kg
V0689	VMP 1/4" L	G 1/4"	52	114	12	13	34	30	40	0,474
V0690	VMP 3/8" L	G 3/8"	52	117	12	15	35,5	30	40	0,472

SPRINGS

Setting range (bar)	Pressure increase (bar/turn) Q= 4l/min	Standard setting (bar)
10 - 50*	7	30
10 - 180 standard	30	90
80 - 300	50	150

* For setting less than 70 Bar: Q = 12 l/min

ADJUSTMENT

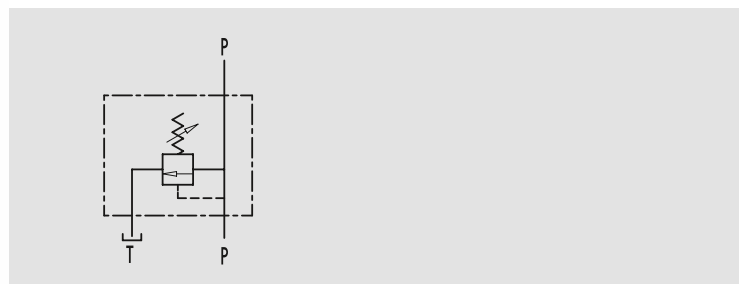
CODE/V	• Handknob
CODE/PP	• Arranged for sealing cap
CODE/PP	• Sealing cap

Druckbegrenzungsventil



TYPE
VMP

HYDRAULIC DIAGRAM



RELIEF VALVES

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.

MATERIALS AND FEATURES:

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

APPLICATIONS:

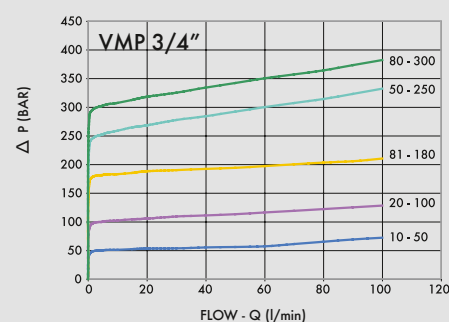
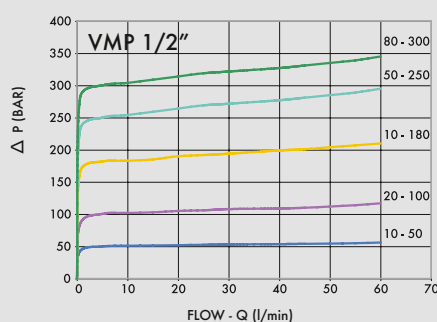
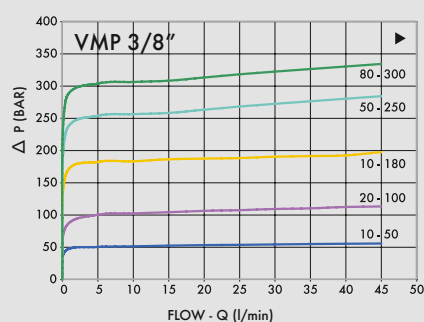
Connect circuit port with pressure to P and tank port to T. Port P is reversible.

ON REQUEST

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

PRESSURE / FLOW

Oil temperature: 50° C - Oil viscosity: 30 cSt



CODE

TYPE

MAX FLOW
lt. / min**V0700**

VMP 3/8"

45

V0710

VMP 1/2"

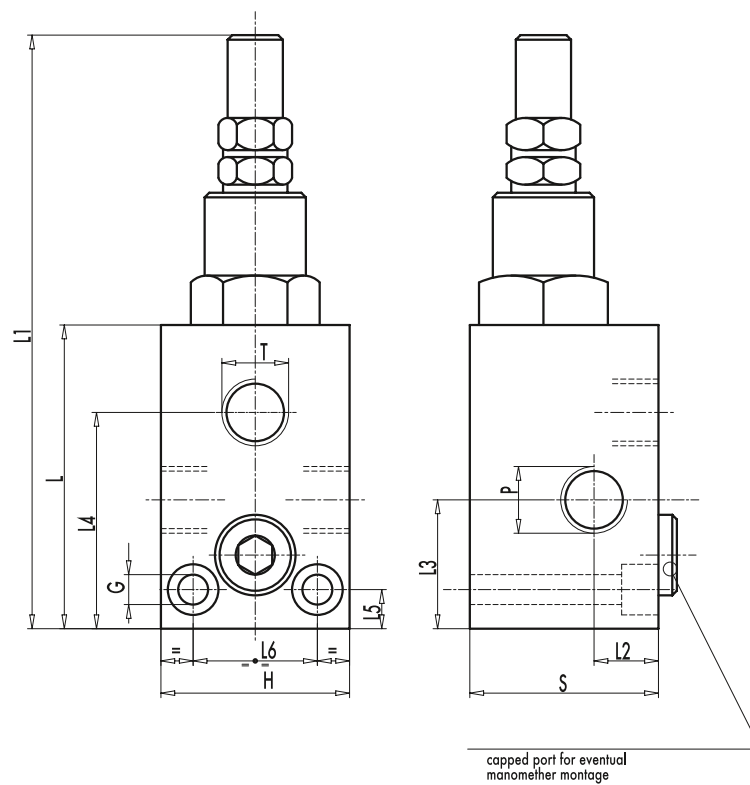
70

V0720

VMP 3/4"

90

4



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

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

* For setting less than 70 Bar: Q = 12 l/min

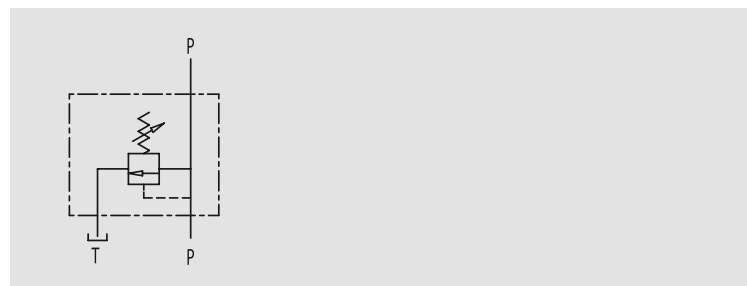
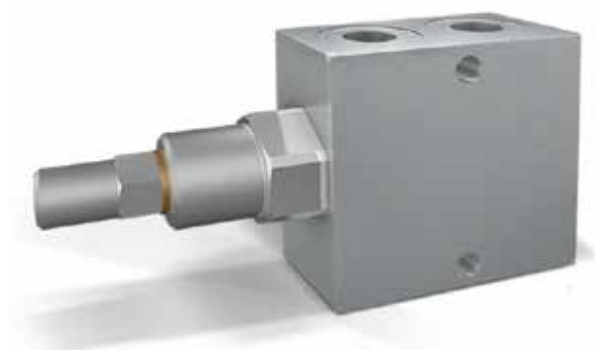
ADJUSTEMENT

CODE/V	• Handknob
CODE/PP	• Arranged for sealing cap
CODE/PP	• Sealing cap

Druckbegrenzungsventil - Leitungsmontage

TYPE
VMP L D5

HYDRAULIC DIAGRAM



IN LINE MOUNTING RELIEF VALVE

USE AND OPERATION:

The relief valve provides overload protection in a fast and accurate way: when it reaches pressure setting, the valve open allowing pressure relief in order not to exceed this setting.

MATERIALS AND FEATURES:

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

APPLICATIONS:

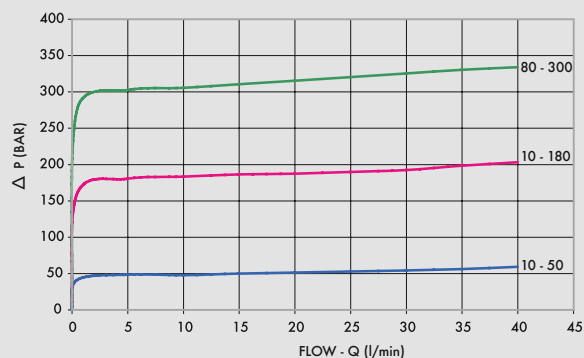
Connect circuit port with pressure to P and tank port to T. Port P is reversible.

ON REQUEST

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

PRESSURE / FLOW

Oil temperature: 50° C - Oil viscosity: 30 cSt



CODE

TYPE

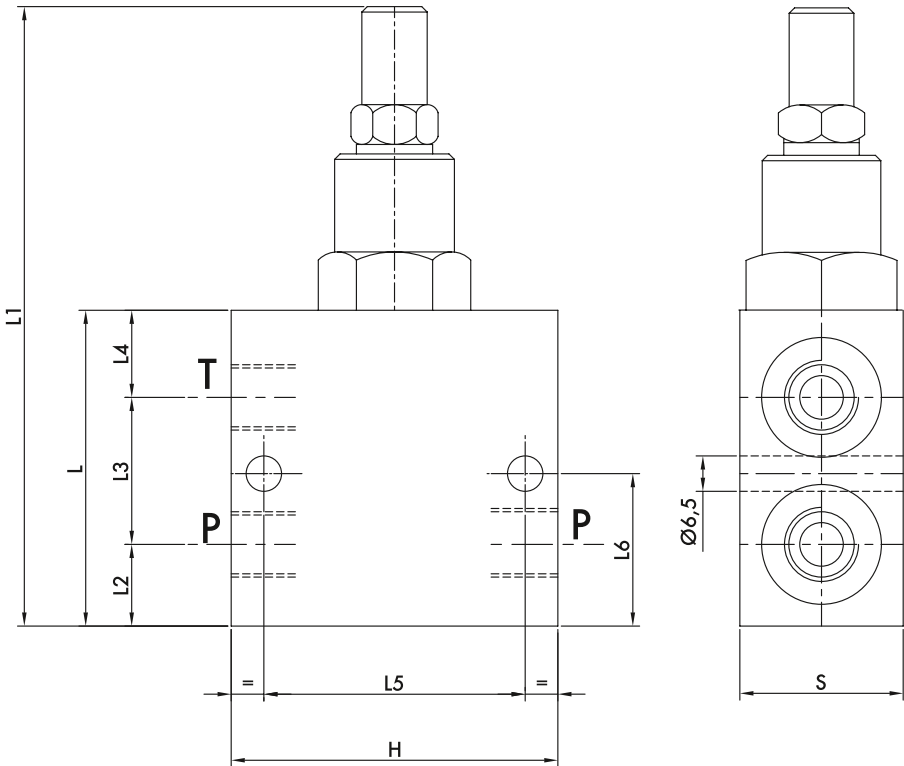
MAX FLOW
Lt. / min

V0688/000*

VMP/L/D5 1/4"

30

*000 = please specify the desired setting range. See the table below.



CODE	TYPE	P - T GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	H mm	S mm	WEIGHT kg
V0688/000*	VMP/L/D5 1/4"	G 1/4"	58	112	15	27	16	48	28	60	30	0,940

CODE	SETTING RANGE (Bar)	PRESSURE INCREASE (bar/Turn) Q= 4l/min	STANDARD SETTING (Bar)
COD/050	10 - 50*	7	30
COD/180	10 - 180	40	100
COD/300	80 - 300	50	150

*For setting less than 70 Bar: Q = 12 l/min

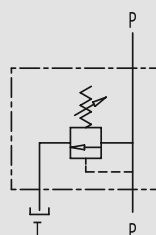
ADJUSTEMENT

CODE/V	• Handknob
CODE/PP	• Arranged for sealing cap
CODE/PP	• Sealing cap

Druckbegrenzungsventil - Leitungsmontage

TYPE
VMP L D5

HYDRAULIC DIAGRAM



IN LINE MOUNTING RELIEF VALVE

USE AND OPERATION:

The relief valve provides overload protection in a fast and accurate way: when it reaches pressure setting, the valve open allowing pressure relief in order not to exceed this setting.

MATERIALS AND FEATURES:

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

APPLICATIONS:

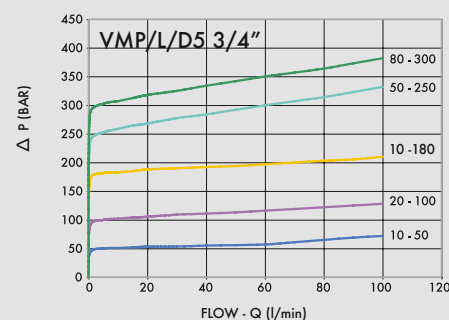
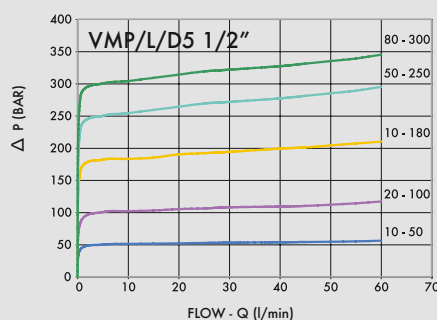
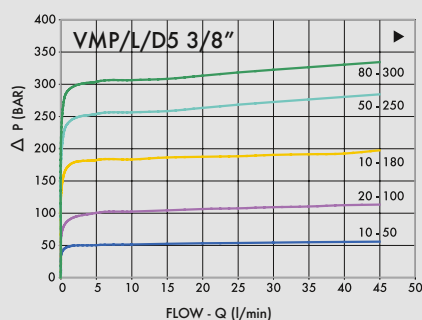
Connect circuit port with pressure to P and tank port to T. Port P is reversible.

ON REQUEST

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

PRESSURE / FLOW

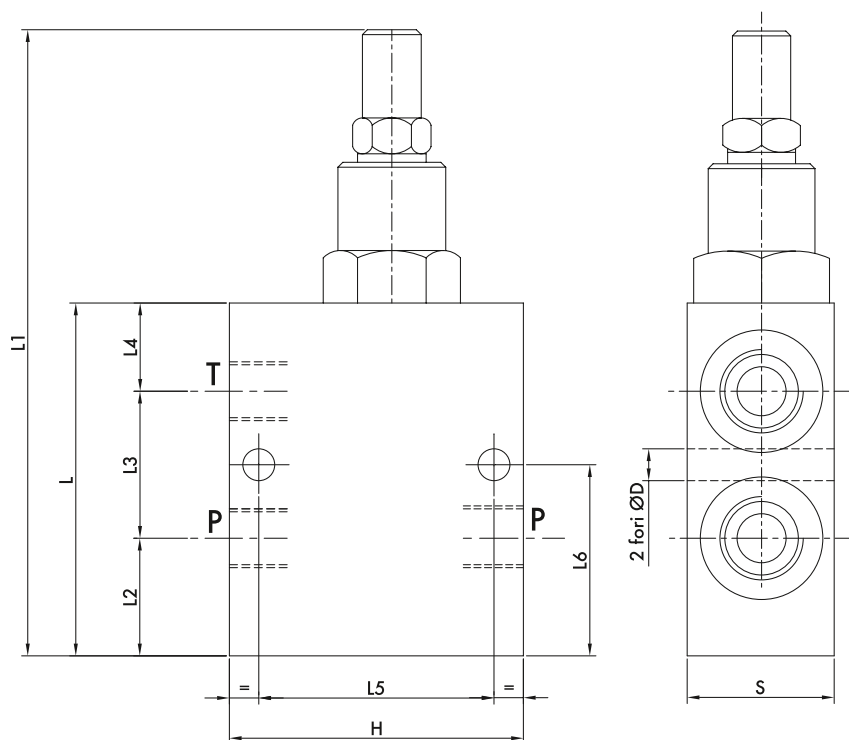
Oil temperature: 50° C - Oil viscosity: 30 cSt



CODE	TYPE	MAX FLOW Lt. / min
V0691/000*	VMP/L/D5 3/8"	45
V0692/000*	VMP/L/D5 1/2"	70
V0693/000*	VMP/L/D5 3/4"	90

*000 = please specify the desired setting range. See the table below.

4



CODE	TYPE	P - T GAS	ØD mm	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	H mm	S mm	WEIGHT kg
V0691/000*	VMP/L/D5 3/8"	G 3/8"	6,5	72	126	24	31	17	48	40	60	30	0,922
V0692/000*	VMP/L/D5 1/2"	G 1/2"	6,5	72	126	22	35	15	48	40	60	30	0,870
V0693/000*	VMP/L/D5 3/4"	G 3/4"	8,5	100	154	32	44	24	54	54	70	40	1,812

CODE	SETTING RANGE (Bar)	PRESSURE INCREASE (bar/Turn) Q= 4l/min	STANDARD SETTING (Bar)
COD/050	10 - 50*	7	30
COD/100	20 - 100	12	75
COD/180	10 - 180	30	90
COD/250	50 - 250	45	130
COD/300	80 - 300	50	150

*For setting less than 70 Bar: Q = 12 l/min

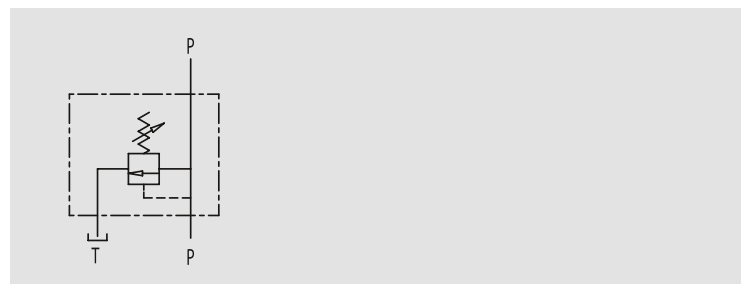
ADJUSTEMENT

CODE/V	• Handknob
CODE/PP	• Arranged for sealing cap
CODE/PP	• Sealing cap

Druckbegrenzungsventil - ölstromunempfindlich - Leitungsmontage

TYPE
VMPP L D5

HYDRAULIC DIAGRAM



DIFFERENTIAL IN LINE MOUNTING RELIEF VALVE

USE AND OPERATION:

The relief valve provides overload protection in a fast and accurate way: when it reaches pressure setting, the valve open 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 stable changing the flow.

MATERIALS AND FEATURES:

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

APPLICATIONS:

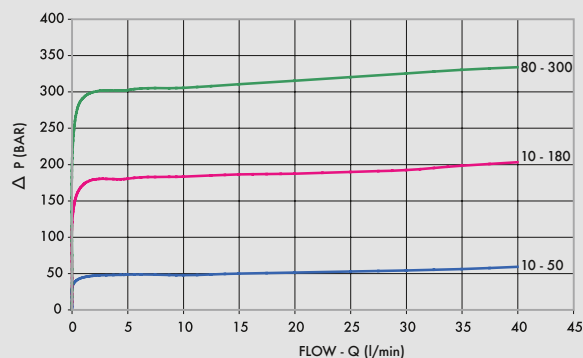
Connect circuit port with pressure to P and tank port to T. Port P is reversible.

ON REQUEST

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

PRESSURE / FLOW

Oil temperature: 50° C - Oil viscosity: 30 cSt



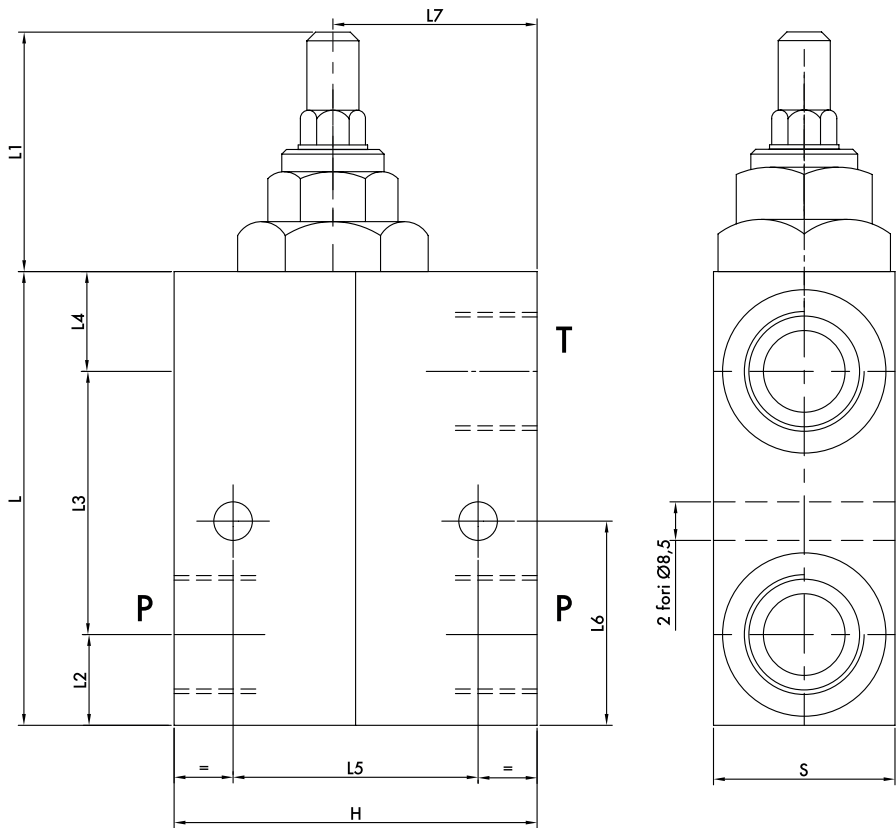
CODE	TYPE	MAX FLOW Lt. / min
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V0726/000*

VMPP/L/D5 3/4"

120

*000 = please specify the desired setting range. See the table below.



CODE	TYPE	P - T GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	L7 mm	H mm	S mm	WEIGHT kg
V0726/000*	VMPP/L/D5 3/4"	G 3/4"	100	51	20	58	22	54	45	45	80	40	2,200

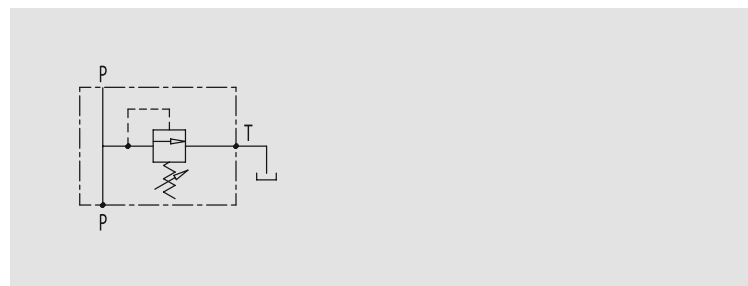
*000= please specify the desired setting range. See the table below.

CODE	SETTING RANGE (Bar)	PRESSURE INCREASE (bar/Turn) Q= 4l/min	STANDARD SETTING (Bar)	ADJUSTEMENT	
COD/200	20 - 200	40	160	CODE/V	• Handknob
COD/400	50 - 400 STANDARD	80	180	CODE/PP	• Arranged for sealing cap
				CODE/PP	• Sealing cap

Druckbegrenzungsventil - ölstromunempfindlich - Leitungsmontage

TYPE
VMPP

HYDRAULIC DIAGRAM



DIFFERENTIAL TYPE RELIEF VALVES

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 differential valve opening is slower than the standard one, but the setting is more stable when the flow changes.

MATERIALS AND FEATURES:

Body: zinc-plated steel

Internal parts: hardened and ground steel.

Seals: BUNA N standard

Poppet type: minor leakage

APPLICATIONS:

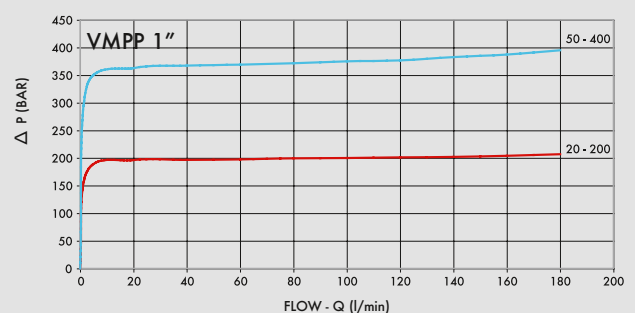
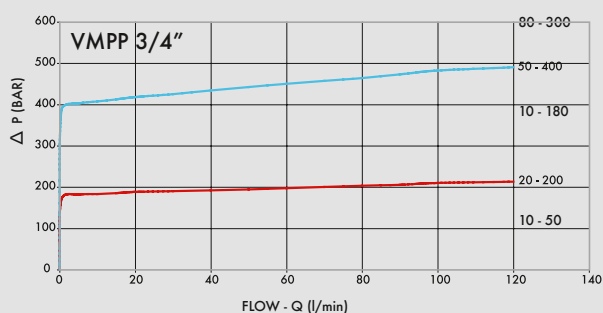
Connect circuit port with pressure to P and tank port to T. The 1" size is supplied with double exit T (1 exit can be capped according with mounting needs).

ON REQUEST

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

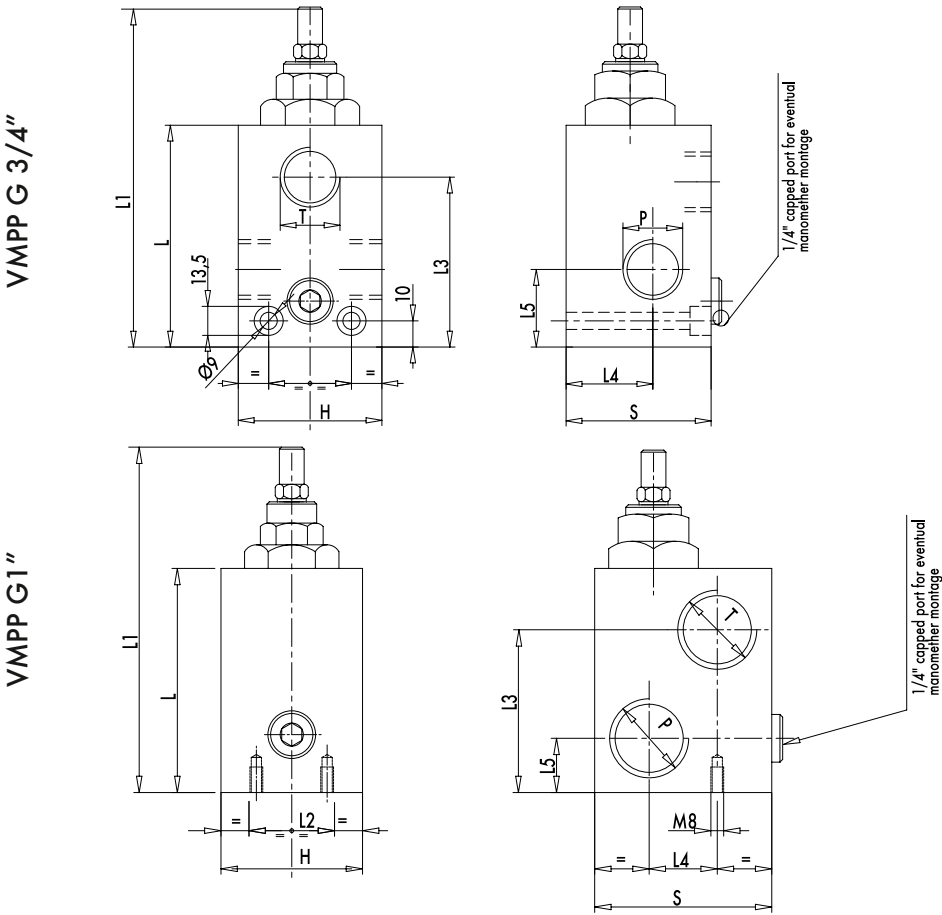
PRESSURE / FLOW

Oil temperature: 50° C - Oil viscosity: 30 cSt



CODE TYPE MAX FLOW
Lt. / min

V0725 VMPP 3/4" 120
V0735 VMPP 1" 160



CODE	TYPE	P - T GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	H mm	S mm	WEIGHT Kg
V0725	VMPP 3/4"	G 3/4"	94	146	32	70	35	32	60	60	2,200
V0735	VMPP 1"	G 1"	94	146	30	71	34	23	60	80	2,870

SPRINGS

Setting range (bar)	Pressure increase (bar/turn) Q= 4l/min	Standard setting (bar)
20 - 200	40	160
50 - 400 standard	80	180

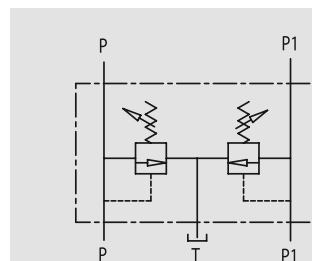
ADJUSTEMENT

CODE/V	• Handknob
CODE/PP	• Arranged for sealing cap
CODE/PP	• Sealing cap

Doppeltes Druckbegrenzungsventil

TYPE
VMPD

HYDRAULIC DIAGRAM



DOUBLE RELIEF VALVES

USE AND OPERATION:

Made up by 2 relief valves, the double relief valve provides overload protection in 2 lines-hydraulic circuits with 1 tank. It allows 2 different pressure setting adjustments.

MATERIALS AND FEATURES:

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

APPLICATIONS:

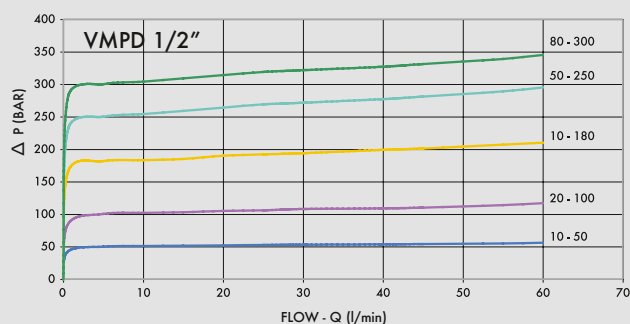
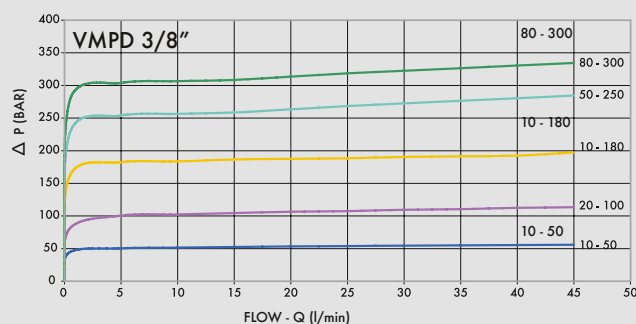
Connect P and P1 to the pressure flow, the remaining P1 and P ports to the 2 lines to be controlled but in the reverse way; connect T to the tank.

ON REQUEST

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

PRESSURE / FLOW

Oil temperature: 50° C - Oil viscosity: 30 cSt



CODE

TYPE

MAX FLOW
Lt. / min**V0732**

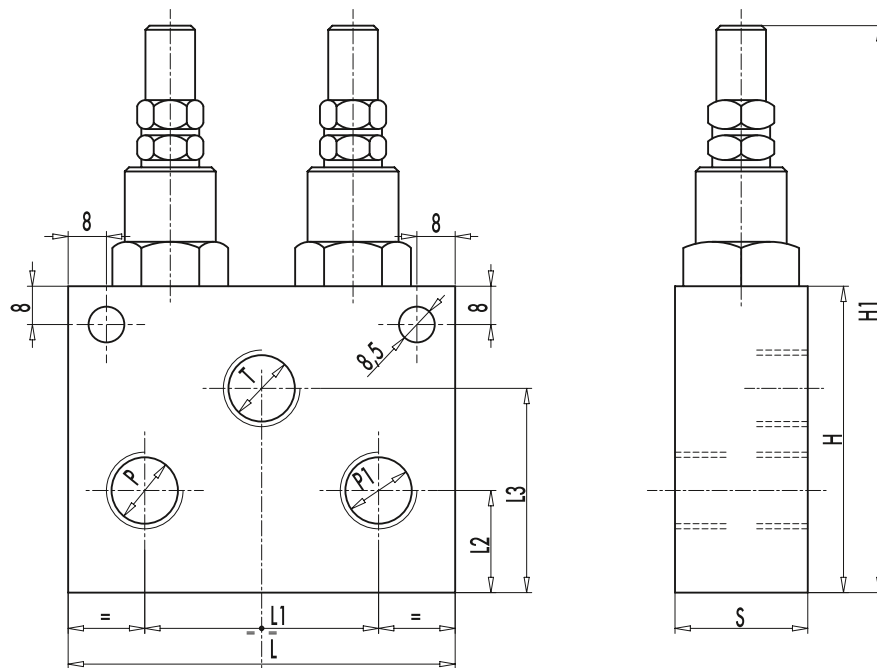
VMPD 3/8"

45

V0734

VMPD 1/2"

70



CODE	TYPE	P - T GAS	L mm	L1 mm	L2 mm	L3 mm	H mm	H1 mm	S mm	WEIGHT Kg
V0732	VMPD 3/8"	G 3/8"	98	62	24	46	70	132	30	1,508
V0734	VMPD 1/2"	G 1/2"	98	65	24	46	70	132	30	1,482

STANDARD SPRINGS

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

* For setting less than 70 Bar: Q = 12 l/min

ADJUSTMENT

CODE/V	• Handknob
CODE/PP	• Arranged for sealing cap
CODE/PP	• Sealing cap