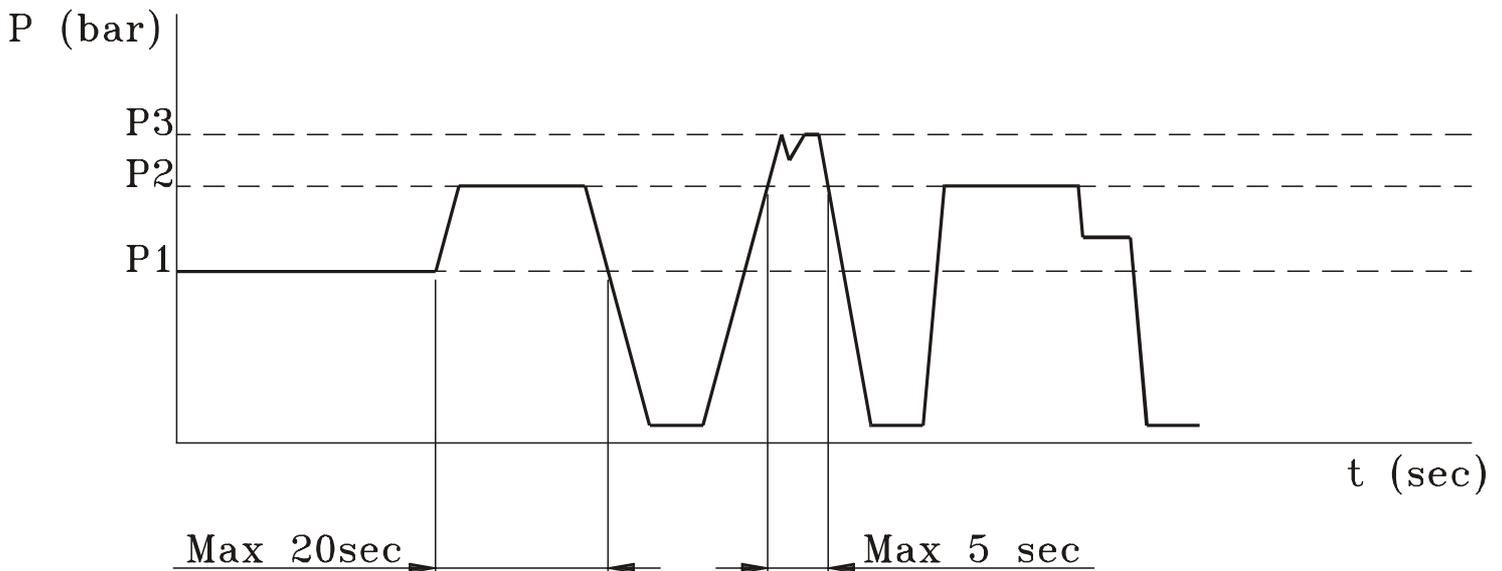


# VALVOLE AUSILIARIE *AUXILIARIES VALVES*

<b>Valvole di blocco pilotate</b> <i>Pilot-operated check valves</i>	<b>Pag. 3</b>
<b>Valvole regolatrici di flusso</b> <i>Flow control valves</i>	<b>Pag. 6</b>
<b>Valvole limitatrici di pressione</b> <i>Pressure relief valves</i>	<b>Pag. 8</b>

## LEGENDA

- **VLP**      **Valvola limitatrice di pressione**  
*Pressure relief valve*
- **VR**      **Valvola di ritegno**  
*Check valve*
- **A; B**      **Effetti**  
*Ports*
- **P**      **Linea in pressione**  
*Pressure line*
- **LC**      **Libera circolazione**  
*Through passage*
- **T**      **Scarico**  
*Tank return line*

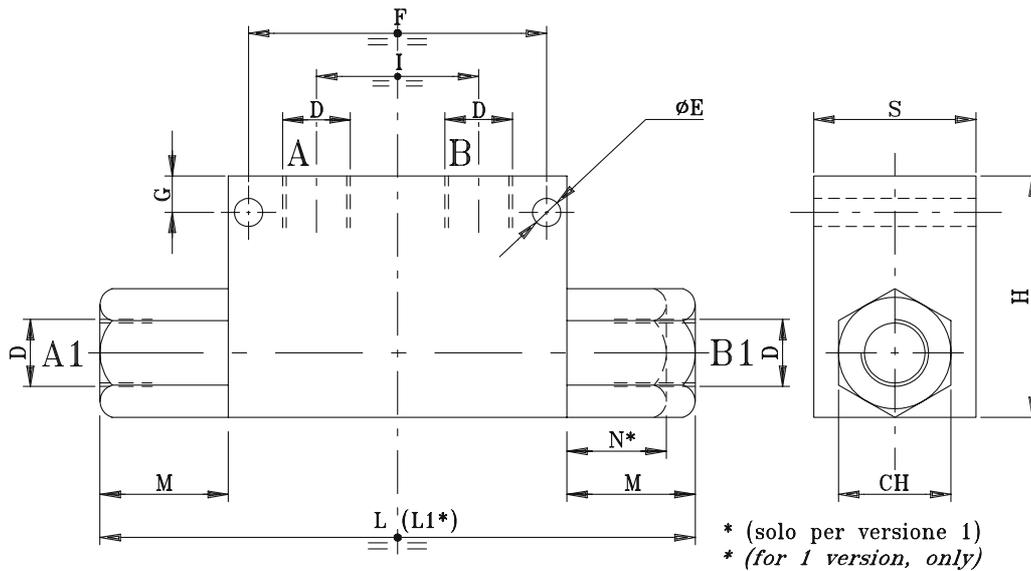


- **P1**      **Pressione massima di lavoro (continua)**  
*Max. continuous pressure*
- **P2**      **Pressione massima di esercizio (intermittente)**  
*Max. intermittent pressure*
- **P3**      **Pressione massima di punta (picco)**  
*Max. peak pressure*

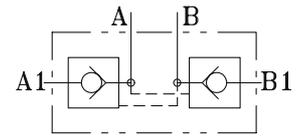
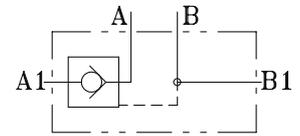
**I grafici del seguente catalogo si riferiscono a prove effettuate con olio minerale di viscosità 35 mm<sup>2</sup> /s alla temperatura di 60 °C.**

*The diagrams of the following catalogue refer to test made with mineral oil viscosity 35 mm<sup>2</sup> /s at the temperature of 60 °C.*

## VALVOLE DI BLOCCO PILOTATE DOPPIE DOUBLE PILOT-OPERATED CHECK VALVES



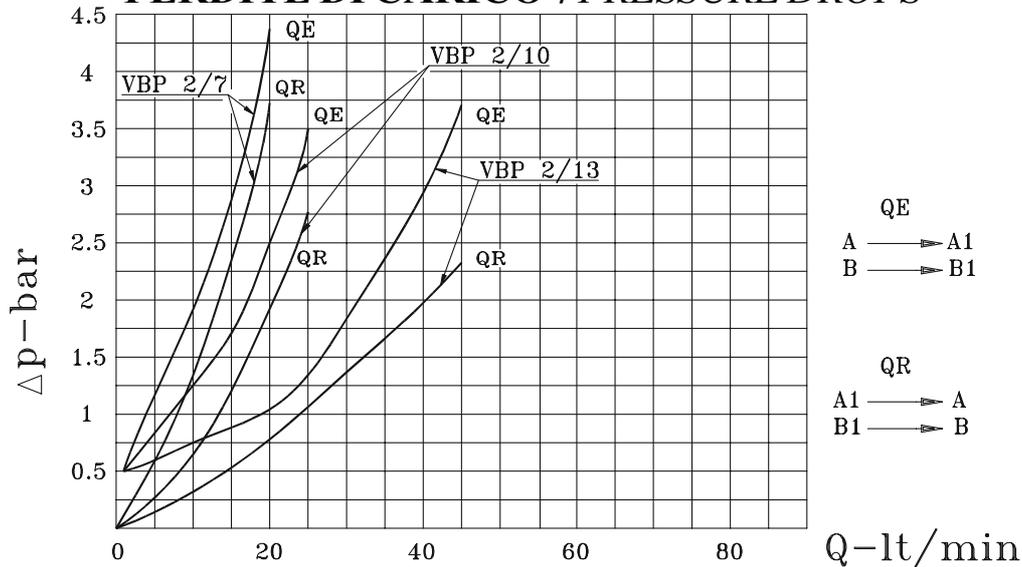
Versione 1  
(singola)  
1 version  
(single)



Versione 2  
(doppia)  
2 version  
(double)

\* (solo per versione 1)  
\* (for 1 version, only)

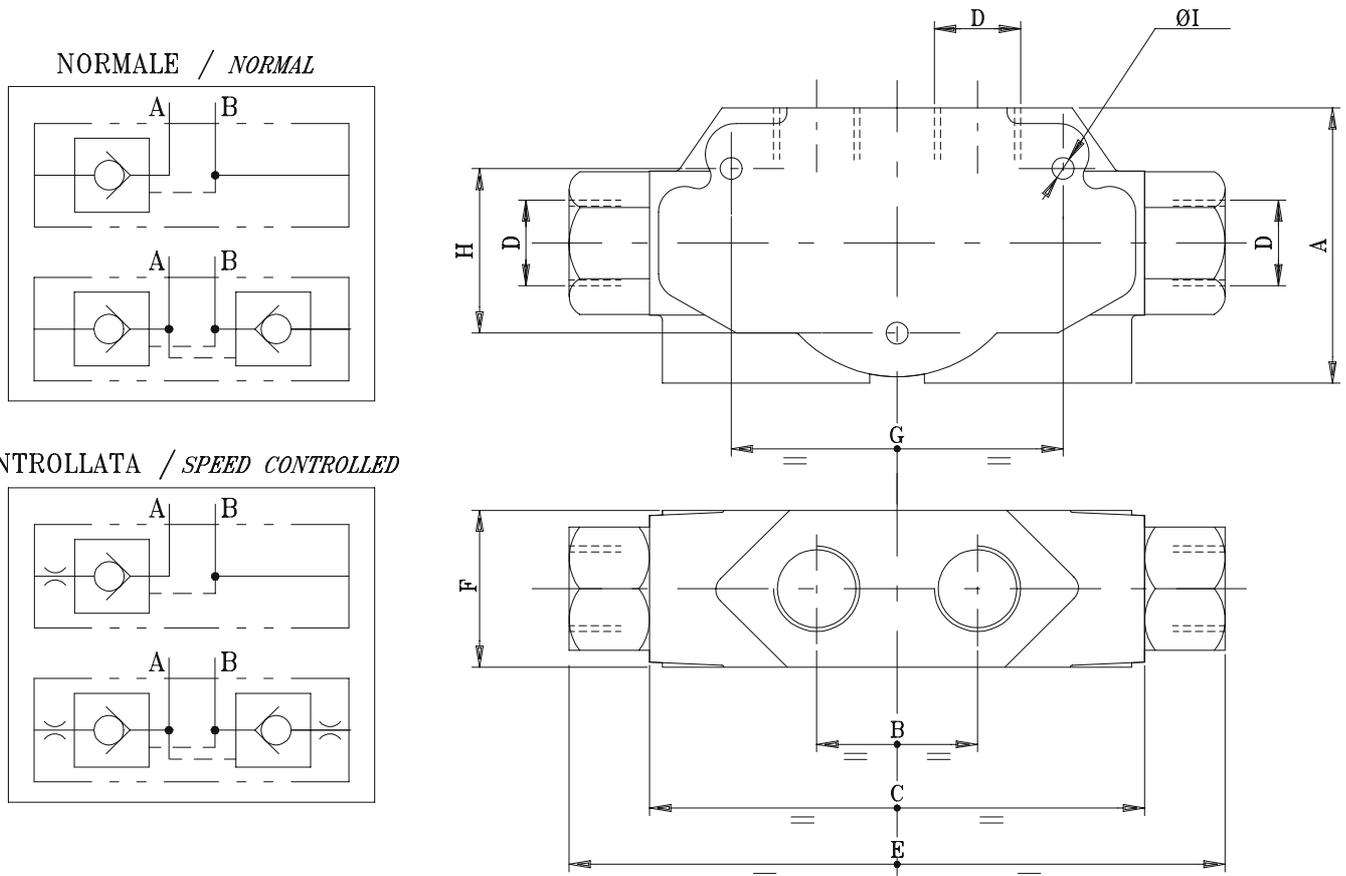
### PERDITE DI CARICO / PRESSURE DROPS



TIPO TYPE		PORTATA MAX. FLOW lt/min	PRESSIONE MAX. PRESSURE bar	PRESSIONE DI APERTURA OPENING PRESSURE bar	RAPPORTO DI PILOTAGGIO PILOTING RATIO	PESO MASS Kg
IS VBP 1/7	IS VBP 2/7	15	320	0.5 (standard)	1 : 4	0.65
IS VBP 1/10	IS VBP 2/10	35	320			0.65
IS VBP 1/13	IS VBP 2/13	45	300			1.40
IS VBP 1/19	IS VBP 2/19	70	250			2.00

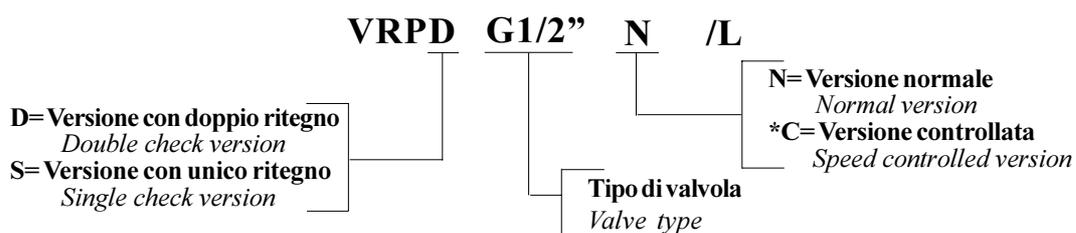
TIPO TYPE	D	E	F	G	H	I	L	L1*	M	N*	S	CH
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
IS VBP .../7	G 1/4"	7	60	9	45	30	118	110	24	16	30	24
IS VBP .../10	G 3/8"	7	60	9	45	30	128	117	29	18	30	24
IS VBP .../13	G 1/2"	8.5	75	15	60	40	170	158	40	28	40	30
IS VBP .../19	G 3/4"	8.5	90	15	70	60	191	186	49	37	40	36

## VALVOLE DI BLOCCO PILOTATE CON PREVALVOLA PILOT-OPERATED CHECK VALVES WITH PRE-VALVE



TIPO TYPE	A mm	B mm	C mm	D	E mm	F mm	G mm	H mm	I mm	PORTATA MAX. MAX FLOW lt/min	PRESSIONE MAX. MAX PRESSURE bar	RAPPORTO DI PILOTAGGIO PILOTING RATIO
VRP... G 3 / 8"	74	43	132	G 3 / 8"	177	49	83	45	6.5	40	350	1 : 16
VRP... G 1 / 2"	74	43	132	G 1 / 2"	177	49	83	45	6.5	70		1 : 16
VRP... G 3 / 4"	78	51	154	G 3 / 4"	214	56	108	48	8.5	100		1 : 12
VRP... G 1"	98	61	191	G 1"	254	59	124	64	8.5	170		1 : 8

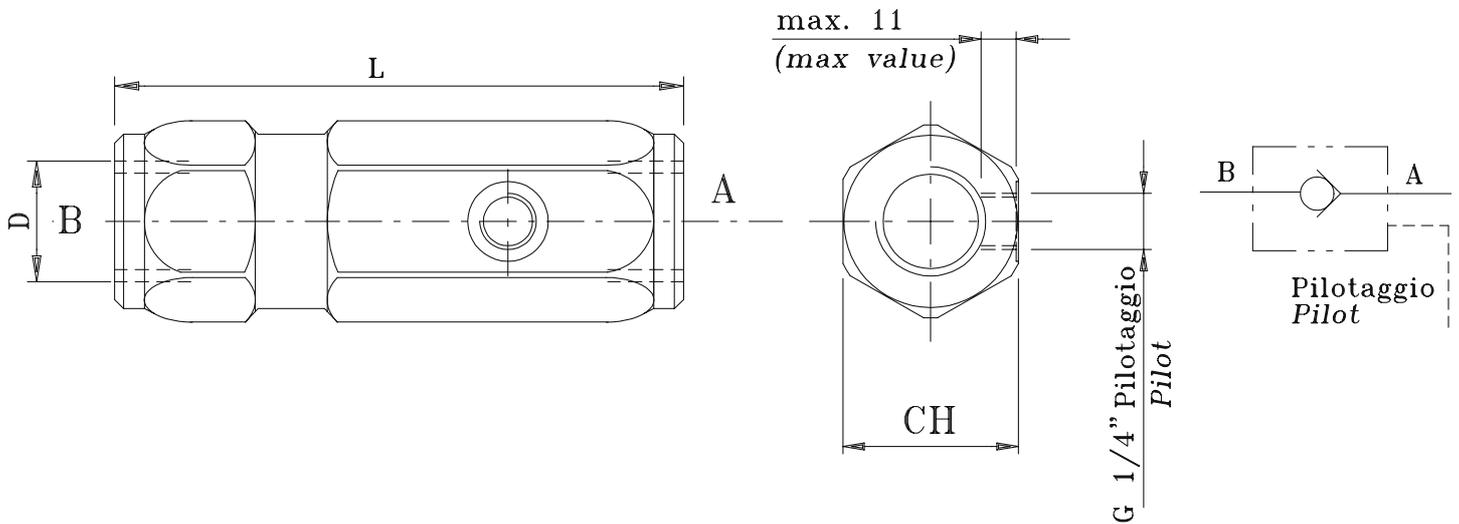
### ESEMPIO DI ORDINAZIONE IN CODICE EXAMPLE OF ORDERING CODE



\* Disponibile solo nella versione G 1/2".  
\* Available only G 1/2" version.

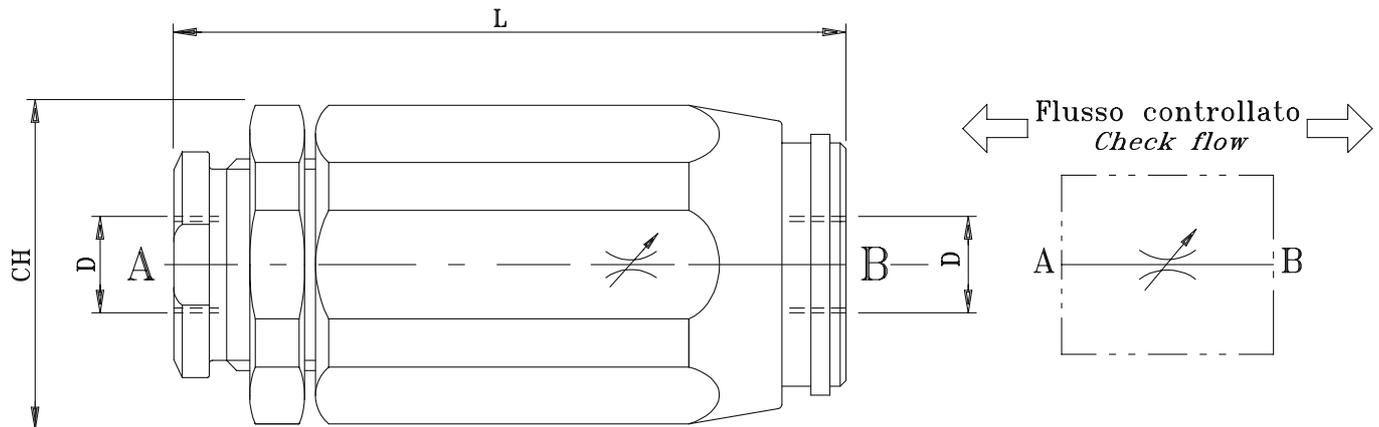
## VALVOLE DI BLOCCO PILOTATE SEMPLICI

### *SINGLE PILOT-OPERATED CHECK VALVES*

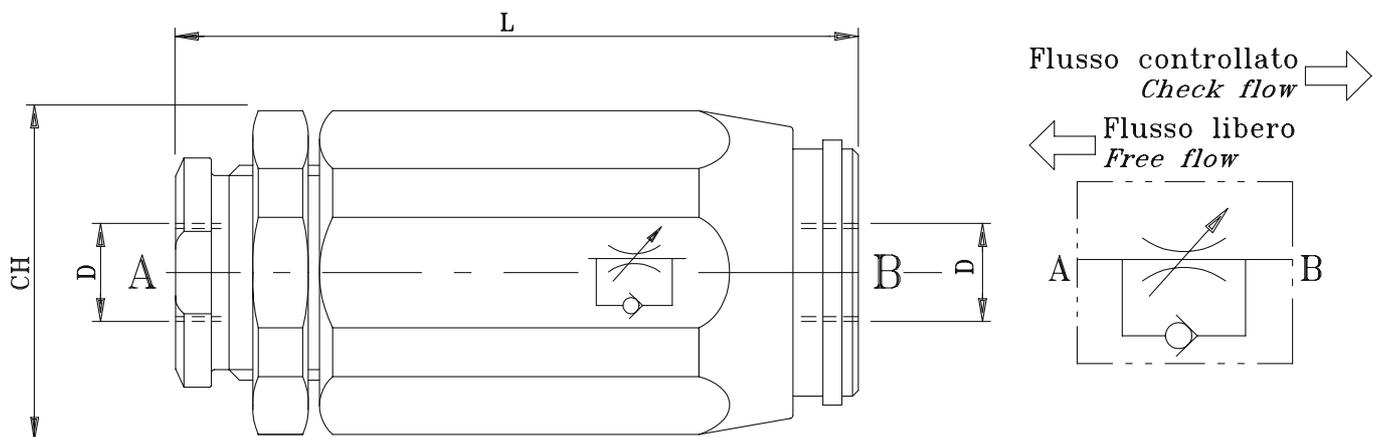


TIPO <i>TYPE</i>	PORTATA MAX. <i>MAX. FLOW</i> lt/min	PRESSIONE MAX. <i>MAX. PRESSURE</i> bar	RAPPORTO DI PILOTAGGIO <i>PILOTING RATIO</i>	C mm	D BSP	CH mm	PESO MASS <i>KG</i>
<b>IS VBPS 7</b>	<b>20</b>	<b>400</b>	<b>1 : 4</b>	<b>100</b>	<b>G 1/4"</b>	<b>36</b>	<b>0.70</b>
<b>IS VBPS 10</b>	<b>35</b>	<b>400</b>	<b>1 : 3</b>	<b>105</b>	<b>G 3/8"</b>	<b>41</b>	<b>0.80</b>
<b>IS VBPS 13</b>	<b>50</b>	<b>350</b>	<b>1 : 3,8</b>	<b>116</b>	<b>G 1/2"</b>	<b>45</b>	<b>0.95</b>
<b>IS VBPS 19</b>	<b>100</b>	<b>300</b>	<b>1 : 3</b>	<b>135</b>	<b>G 3/4"</b>	<b>60</b>	<b>2.00</b>

## VALVOLE REGOLATRICI DI FLUSSO FLOW CONTROL VALVES

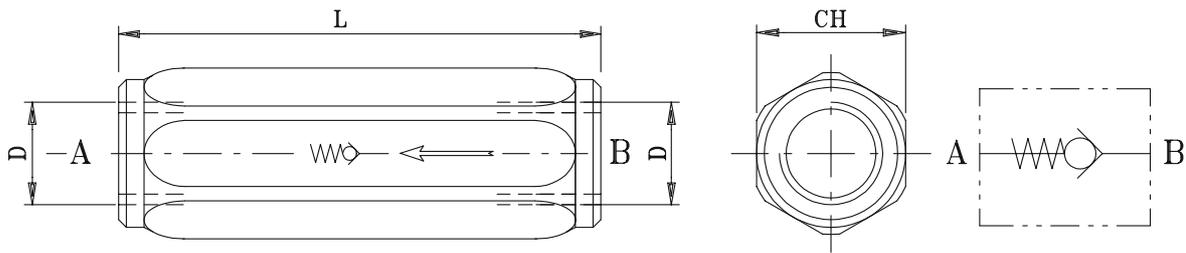


TIPO TYPE	PORTATA MAX. MAX. FLOW lt/min	PRESSIONE MAX. MAX. PRESSURE bar	D BSP	L mm	CH mm	PESO MASS Kg
IS SB 7	15	350	G 1/4"	66	32	0.38
IS SB 10	30	350	G 3/8"	77.5	38	0.43
IS SB 13	45	350	G 1/2"	83	41	0.55
IS SB 19	80	300	G 3/4"	103.5	55	1.00
IS SB 25	150	210	G 1"	124	65	1.80



TIPO TYPE	PORTATA MAX. MAX. FLOW lt/min	PRESSIONE MAX. MAX. PRESSURE bar	PRESSIONE DI APERTURA OPENING PRESSURE bar	F BSP	L mm	CH mm	PESO MASS Kg
IS SR 7	15	350	0.5	G 1/4"	66	32	0.40
IS SR 10	30	350		G 3/8"	77.5	38	0.45
IS SR 13	45	350		G 1/2"	83	41	0.57
IS SR 19	80	300		G 3/4"	103.5	55	1.05
IS SR 25	150	210		G 1"	124	65	1.95

## VALVOLE UNIDIREZIONALI UNIDIRECTIONAL CHECK VALVES



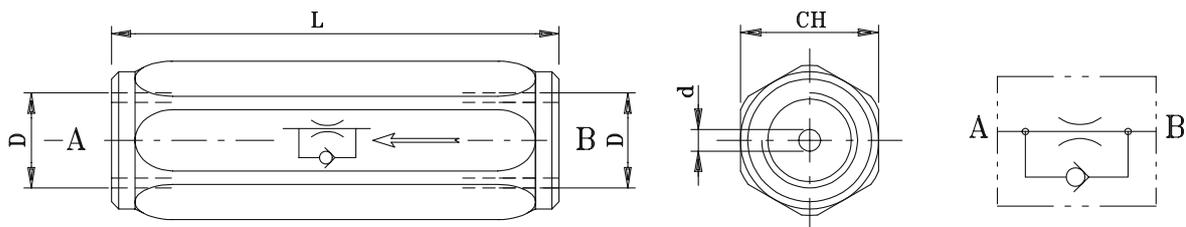
TIPO TYPE	PORTATA MAX. MAX. FLOW lt/min	PRESSIONE MAX. MAX. PRESSURE bar	PRESSIONE DI APERTURA OPENING PRESSURE bar	D**	L mm	CH mm	PESO MASS Kg
IS RU 7	15	400	0.5 (standard)*	G 1/4"	60	19	0.10
IS RU 10	30	400		G 3/8"	70	24	0.18
IS RU 13	50	350		G 1/2"	78	30	0.38
IS RU 19	90	300		G 3/4"	90	36	0.48
IS RU 25	140	300		G 1"	106	45	0.90
IS RU 32	200	250		G 1 1/4"	123	55	1.50
IS RU 38	300	230		G 1 1/2"	138	65	2.40

\* Specificare il valore di apertura se diverso dallo standard. Consultare la nostra società per la disponibilità di tarature diverse da quelle indicate.

*For different valves specify them. Contact our factory for the available calibrations (not standard).*

\*\* Disponibili anche con filettature SAE e NPT  
*Available also with SAE and NPT threads*

## VALVOLE REGOLATRICI DI FLUSSO CON STROZZAMENTO FISSO FLOW CONTROL VALVES WITH FIXED THROTTLE

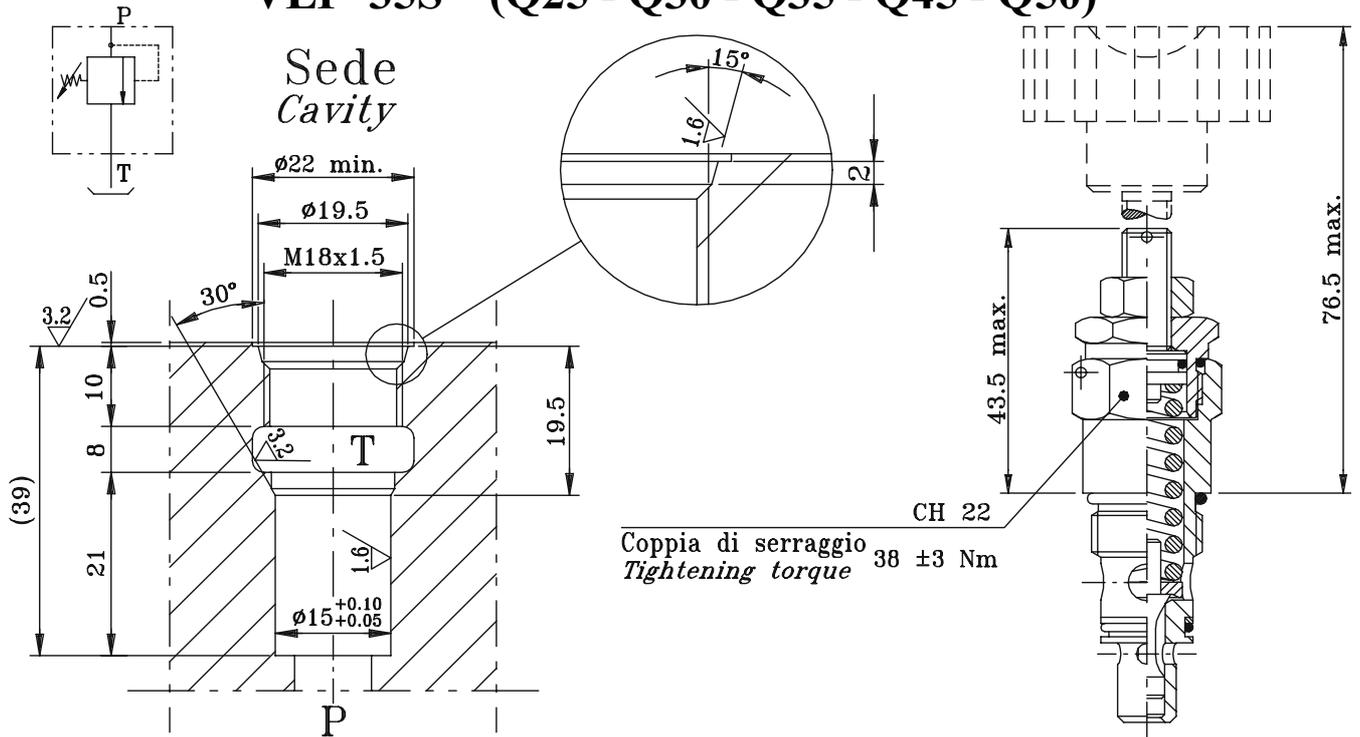


TIPO TYPE	PORTATA MAX. MAX. FLOW lt/min	PRESSIONE MAX. MAX. PRESSURE bar	D*	L mm	CH mm	PESO MASS Kg
IS SU 7/d	15	400	G 1/4"	60	19	0.10
IS SU 10/d	30	400	G 3/8"	70	24	0.18
IS SU 13/d	50	350	G 1/2"	78	30	0.38
IS SU 19/d	90	300	G 3/4"	90	36	0.48
IS SU 25/d	140	300	G 1"	106	45	0.90
IS SU 32/d	200	250	G 1 1/4"	123	55	1.50
IS SU 38/d	300	230	G 1 1/2"	138	65	2.40

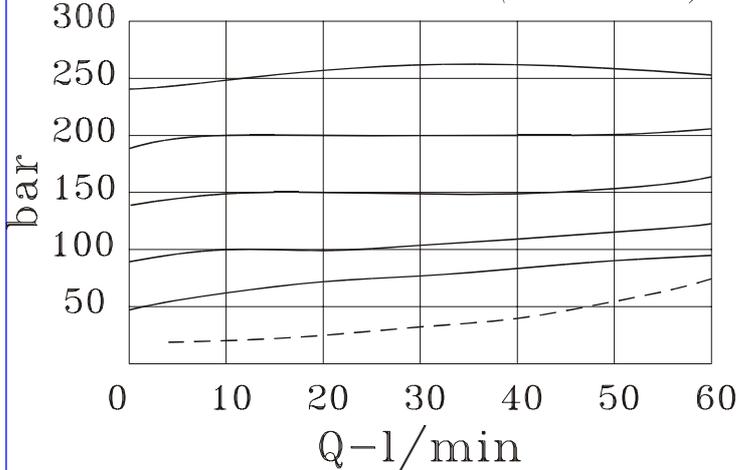
La "d" che compare nel codice indica il diametro del foro di strozzamento che va da un minimo di 0,5 a un massimo di 4, di 0,5 in 0,5.  
*The "d" showed in the code means "diameter of throttle hole" which goes from a minimum of 0.5 to a mximum of 4 mm, and increases of 0.5 on.*

\* Disponibili anche con filettature SAE e NPT  
*Available also with SAE and NPT threads*

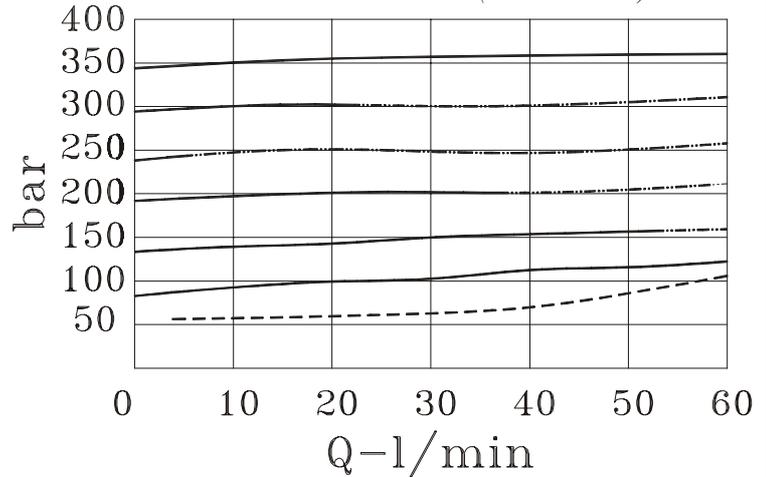
# VALVOLA LIMITATRICE DI PRESSIONE /PRESSURE RELIEF VALVE VLP 35S (Q25 - Q30 - Q35 - Q45 - Q50)



**CURVE CARATTERISTICHE VLP 35S (MOLLANERA)**  
*PERFORMANCES CURVES VLP 35S (BLACK SPRING)*

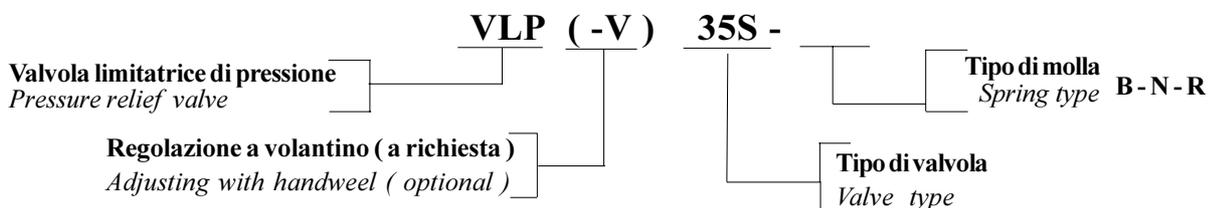


**CURVE CARATTERISTICHE VLP 35S (MOLLAROSSA)**  
*PERFORMANCES CURVES VLP 35S (RED SPRING)*

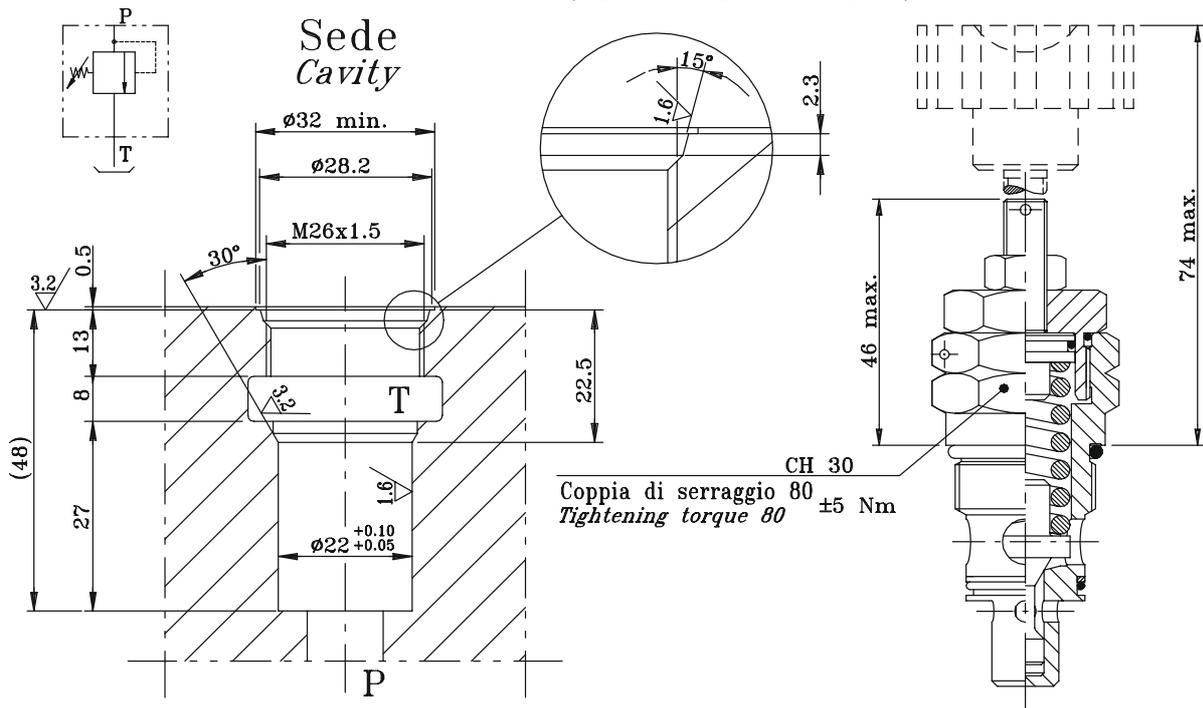


- Valore minimo di taratura  
*Minimum setting value*
- (B)** Taratura disponibile a richiesta 15 ÷ 100 bar molla bianca  
*Setting range on demand 15 ÷ 100 bar white spring*
- (N)** Taratura standard 30 ÷ 280 bar molla nera  
*Standard setting 30 ÷ 280 bar black spring*
- (R)** Taratura disponibile a richiesta 80 ÷ 380 bar molla rossa  
*Optional setting 80 ÷ 380 bar red spring*

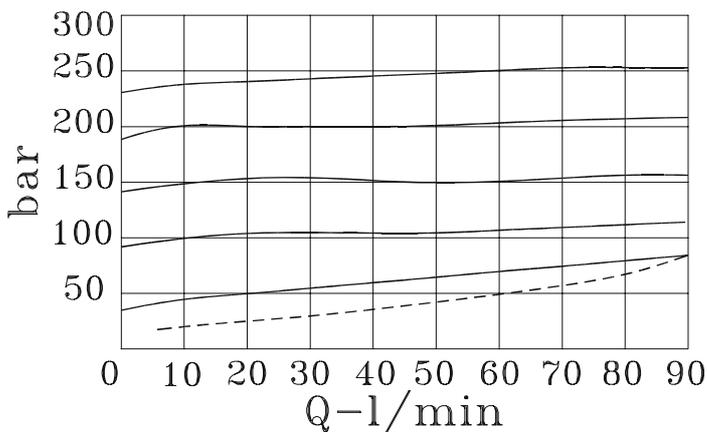
## ESEMPIO DI ORDINAZIONE IN CODICE EXAMPLE OF ORDERING CODE



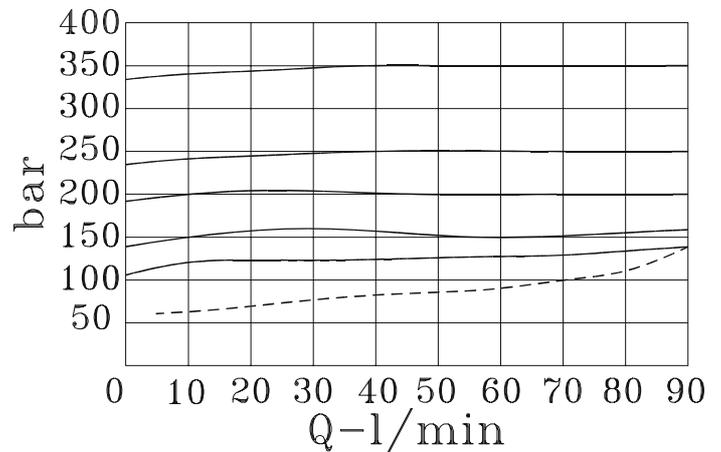
# VALVOLA LIMITATRICE DI PRESSIONE / PRESSURE RELIEF VALVE VLP 65S (Q75 - Q80 - Q95)



**CURVE CARATTERISTICHE VLP 65S (MOLLANERA)**  
*PERFORMANCES CURVES VLP 65S (BLACK SPRING)*



**CURVE CARATTERISTICHE VLP 65S (MOLLAROSSA)**  
*PERFORMANCES CURVES VLP 65S (RED SPRING)*



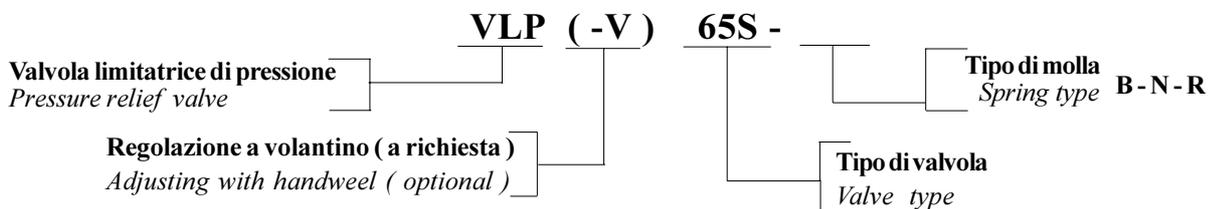
--- Valore minimo di taratura  
*Minimum setting value*

**(B)** Taratura disponibile a richiesta 15 ÷ 100 bar molla bianca  
*Setting range on demand 15 ÷ 100 bar white spring*

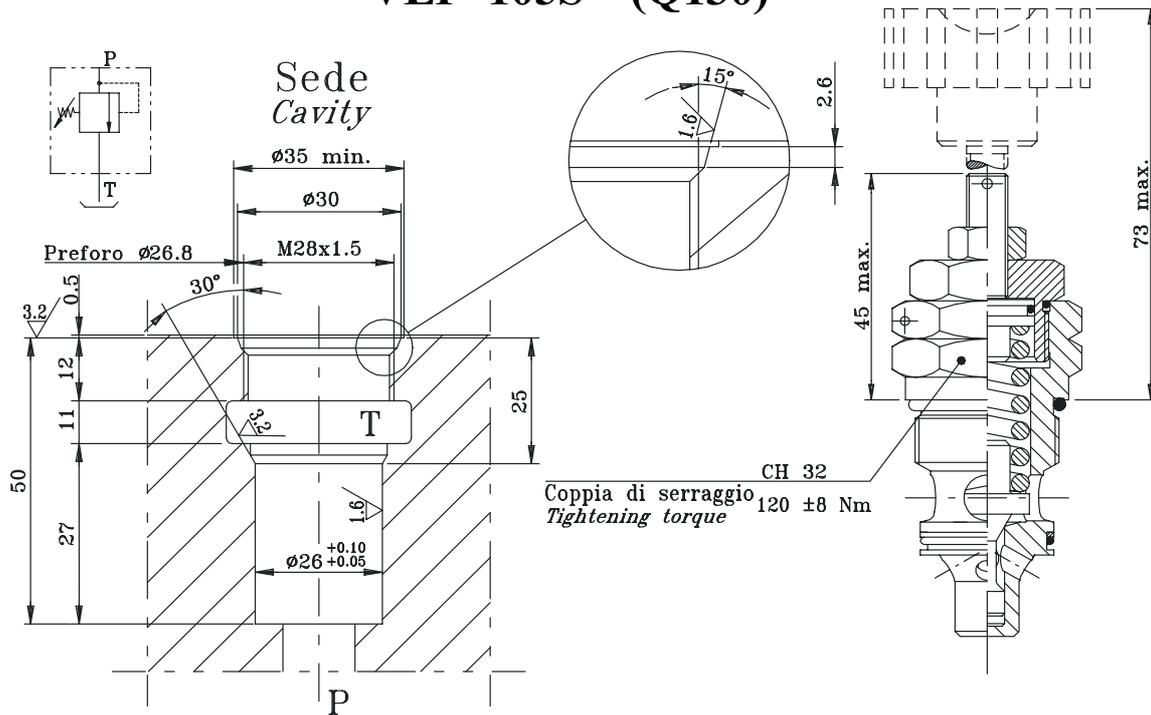
**(N)** Taratura standard 30 ÷ 280 bar molla nera  
*Standard setting 30 ÷ 280 bar black spring*

**(R)** Taratura disponibile a richiesta 80 ÷ 380 bar molla rossa  
*Optional setting 80 ÷ 380 bar red spring*

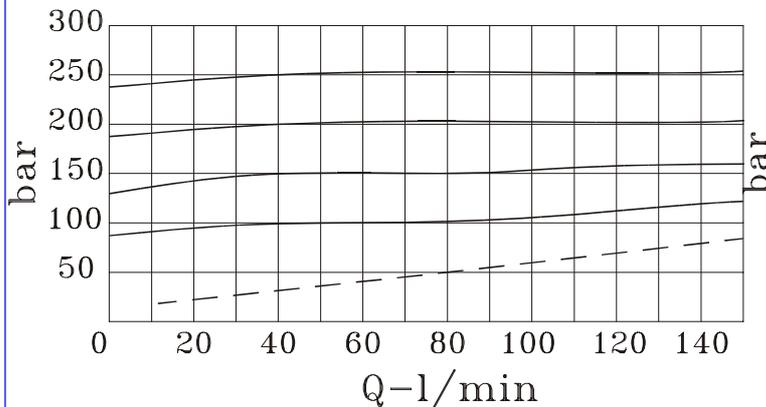
## ESEMPIO DI ORDINAZIONE IN CODICE *EXAMPLE OF ORDERING CODE*



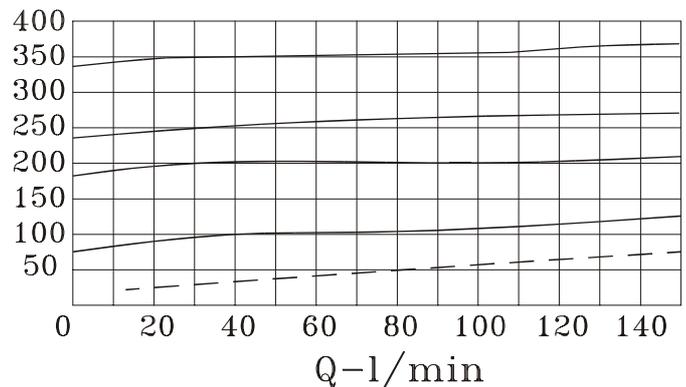
# VALVOLA LIMITATRICE DI PRESSIONE / PRESSURE RELIEF VALVE VLP 105S (Q130)



**CURVE CARATTERISTICHE VLP 105S (MOLLANERA)**  
*PERFORMANCES CURVES VLP 105S (BLACK SPRING)*



**CURVE CARATTERISTICHE VLP 105S (MOLLAROSSA)**  
*PERFORMANCES CURVES VLP 105S (RED SPRING)*



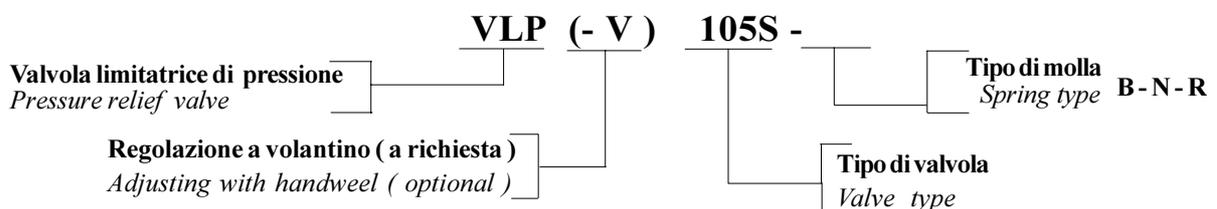
--- **Valore minimo di taratura**  
*Minimum setting value*

**(B)** Taratura disponibile a richiesta 15 ÷ 100 bar molla bianca  
*Setting range on demand 15 ÷ 100 bar white spring*

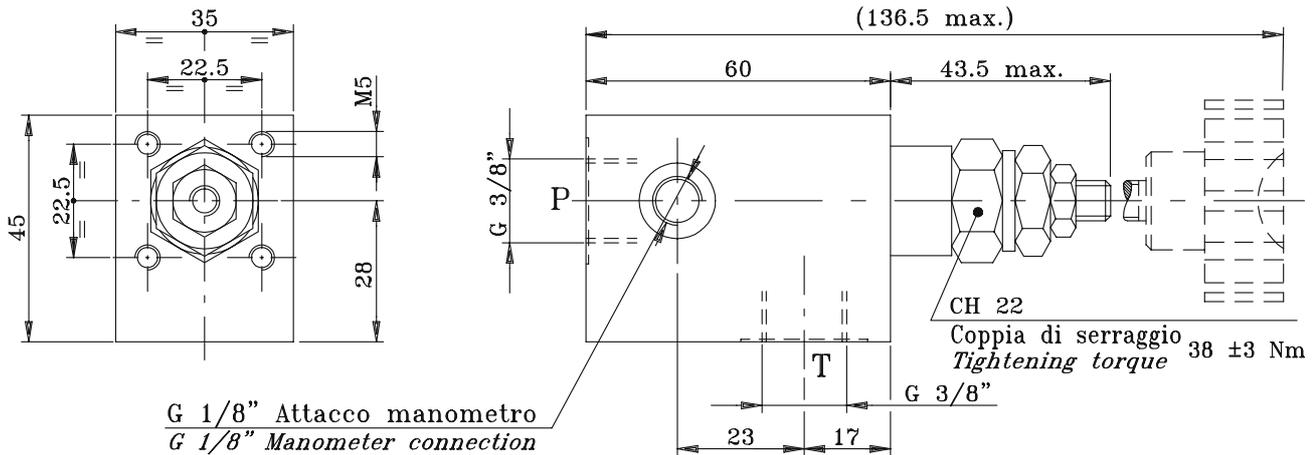
**(N)** Taratura standard 30 ÷ 280 bar molla nera  
*Standard setting 30 ÷ 280 bar black spring*

**(R)** Taratura disponibile a richiesta 80 ÷ 380 bar molla rossa  
*Optional setting 80 ÷ 380 bar red spring*

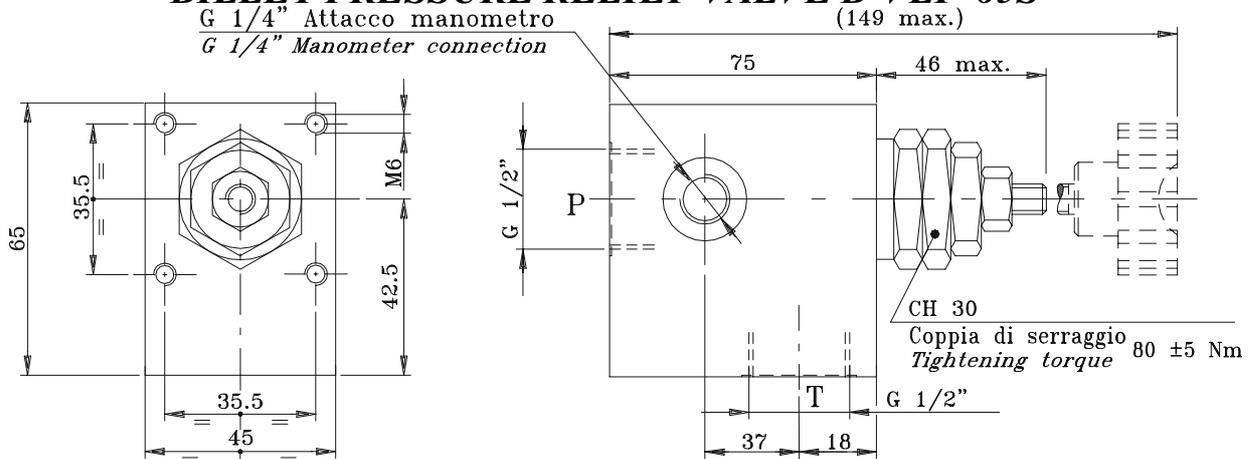
## ESEMPIO DI ORDINAZIONE IN CODICE EXAMPLE OF ORDERING CODE



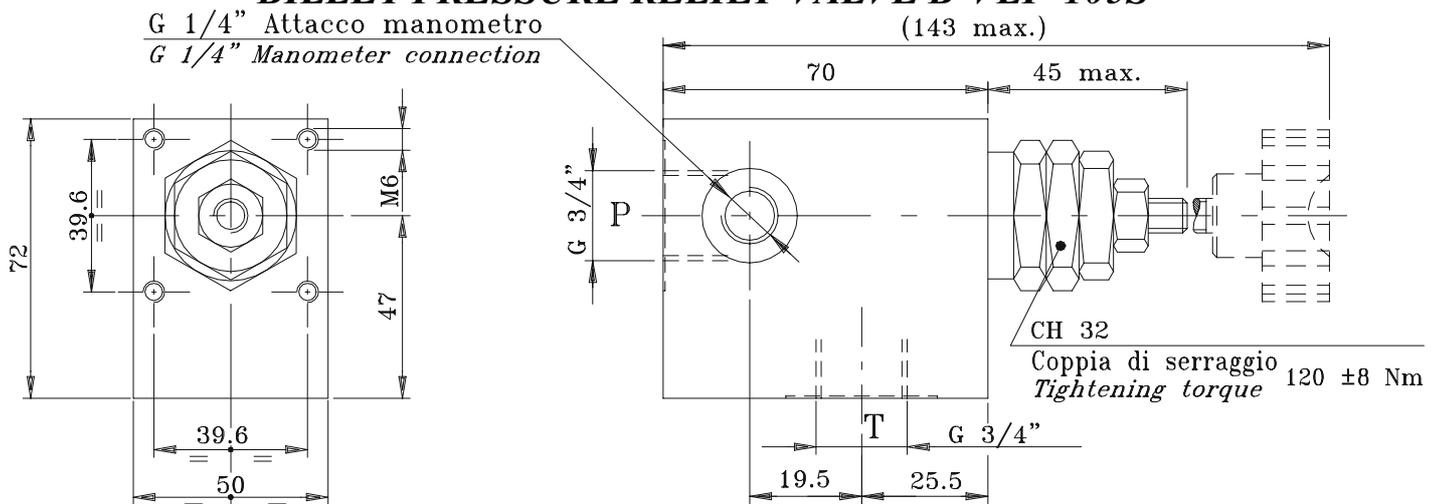
**VALVOLA LIMITATRICE DI PRESSIONE IN BILLETTA B-VLP 35S**  
**BILLET PRESSURE RELIEF VALVE B-VLP 35S**



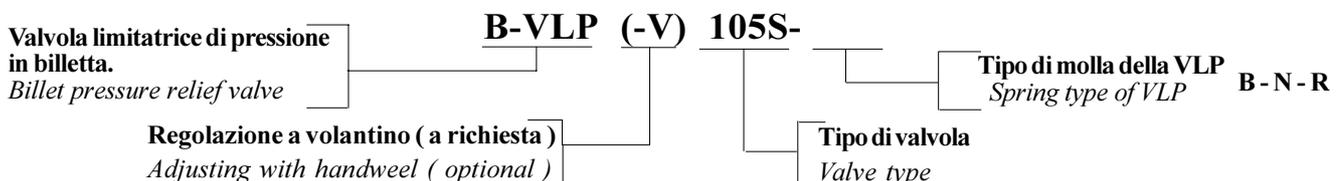
**VALVOLA LIMITATRICE DI PRESSIONE IN BILLETTA B-VLP 65S**  
**BILLET PRESSURE RELIEF VALVE B-VLP 65S**



**VALVOLA LIMITATRICE DI PRESSIONE IN BILLETTA B-VLP 105S**  
**BILLET PRESSURE RELIEF VALVE B-VLP 105S**



**ESEMPIO DI ORDINAZIONE IN CODICE**  
**EXAMPLE OF ORDERING CODE**



**Galtech s.p.a. Via Kennedy, 10 - 42100 Reggio Emilia - Italy**

**Tel: +39.0522.300348 Fax: +39.0522.300803**

**<http://www.galtech.it> - e-mail: [galtech@galtech.it](mailto:galtech@galtech.it)**