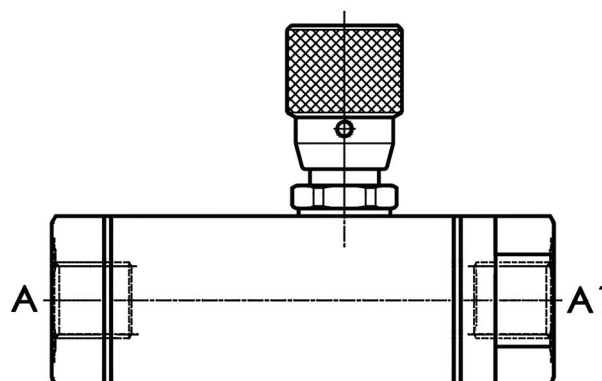
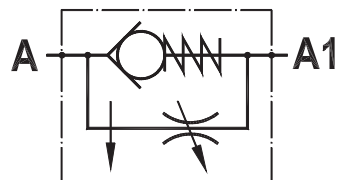




**2 weg drukgecompenseerde  
oliestroomregelaars**

**Valvola regolatrice di flusso unidirezionale compensata**  
**Compensated flow control valve**

Rev.01-2010/02



**SPECIFICHE TECNICHE**

**Materiali:** corpo e parti interne in acciaio. La superficie esterna è protetta mediante zincatura.

**Portata max.:** 18 l/min

**Pressione max.:** 250 bar, vedasi tabella a parte

**TECHNICAL SPECIFICATIONS**

**Materials:** body and internal parts are steel made. External surface zinc plated.

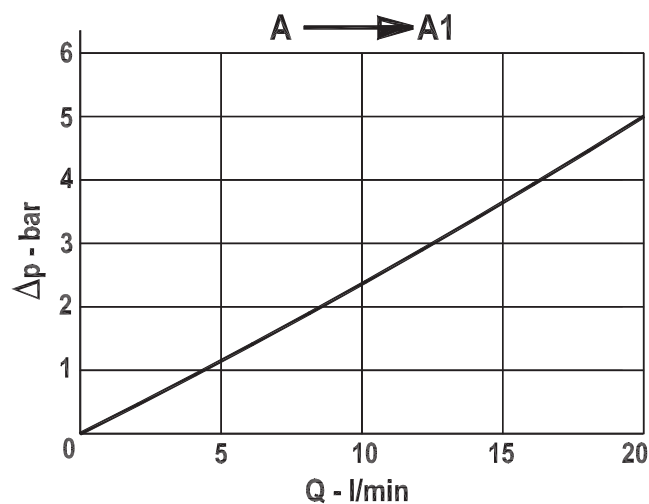
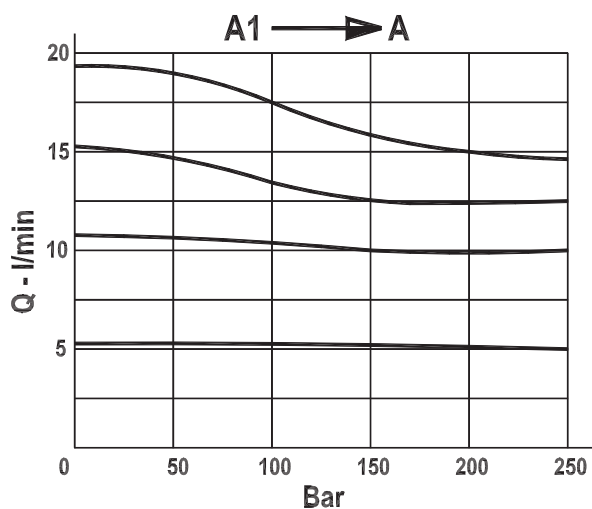
**Rated flow:** 18 l/min

**Max. pressure:** 250 bar, see data sheet

**DIAGRAMMA PERDITE DI CARICO E COMPENSAZIONE - PRESSURE DROP AND COMPENSATION CURVES**

Viscosità olio 24 mm<sup>2</sup>/sec. (3,5 °E)  
 Temperatura 50 °C

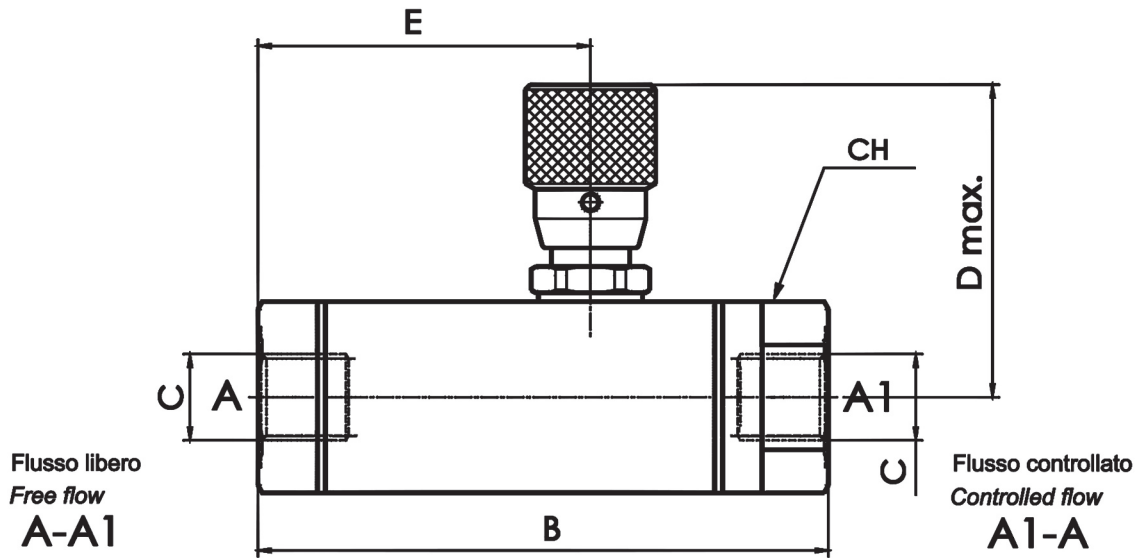
Oil viscosity 24 mm<sup>2</sup>/sec. (3,5 °E)  
 Temperature 50 °C





**Valvola regolatrice di flusso unidirezionale compensata**  
**Compensated flow control valve**

Rev.01-2010/02



TIPO TYPE	PORTATA MAX. MAX. FLOW	PRESSIONE MAX. MAX. PRESSURE	B mm	C BSPP	D mm	E mm	CH mm	PESO WEIGHT Kg
	l/min	bar						
FPCU 1/4	10	250	88	1/4"	56	51	27	0.340
FPCU 3/8	18	250	88	3/8"	56	51	27	0.320

**ESEMPIO DI ORDINAZIONE - ORDERING CODE EXAMPLE**

**F P C U    3 / 8**

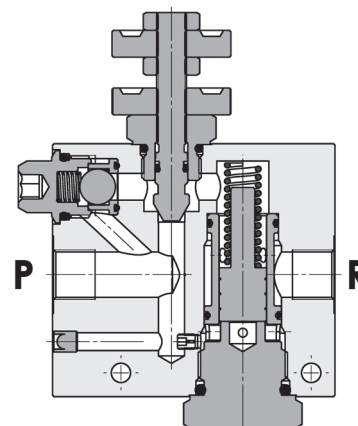
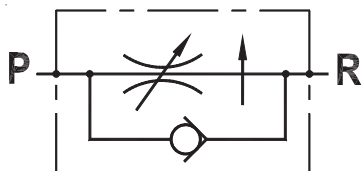
1/4 - 1/4" BSPP

\* 3/8 - 3/8" BSPP

Connessioni - Port sizes

**Regolatore di flusso compensato, con ritorno libero**  
**In line pressure compensated flow regulator, with free reverse flow**

Rev.02-2010/05



**SPECIFICHE TECNICHE**

**Materiali:** corpo in alluminio (standard), a richiesta in acciaio.  
 Componenti interni in acciaio trattato termicamente.

**Portata max.:** - 30 l/min per 3/8";  
 - 50 l/min per 1/2";  
 - 90 l/min per 3/4"

**Pressione max.:** 250 bar (std), 350 bar (S)

**TECHNICAL SPECIFICATIONS**

**Materials:** aluminium body (std), steel body on request. Internal parts are in hardened steel.

**Rated flow:** - 30 l/min for 3/8";  
 - 50 l/min for 1/2";  
 - 90 l/min for 3/4"

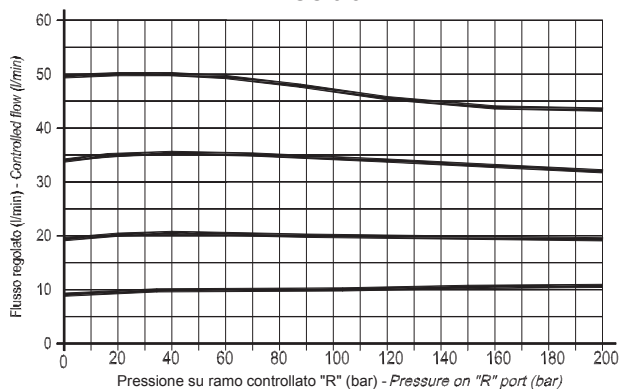
**Max. pressure:** 250 bar (std), 350 bar (S)

**DIAGRAMMA COMPENSAZIONE - COMPENSATION CURVES**

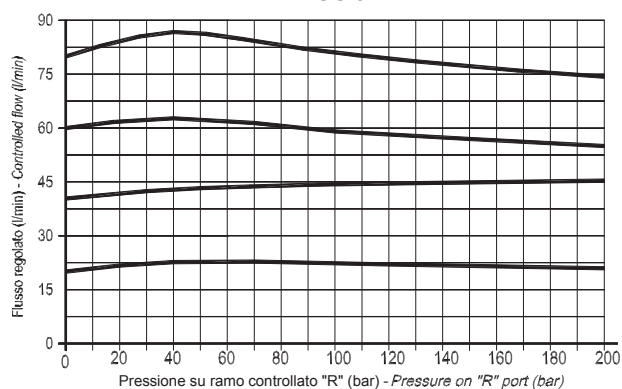
Viscosità olio 24 mm<sup>2</sup>/sec. (3,5 °E)  
 Temperatura 50 °C

Oil viscosity 24 mm<sup>2</sup>/sec. (3,5 °E)  
 Temperature 50 °C

FPRUC 3/8" - 1/2"

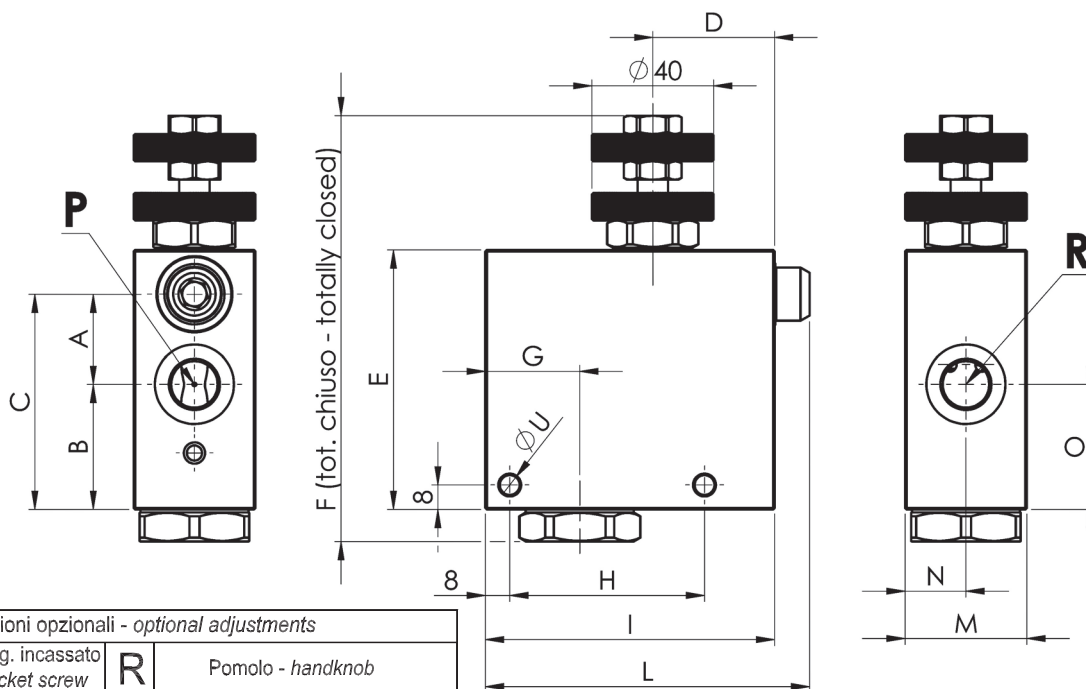


FPRUC 3/4"

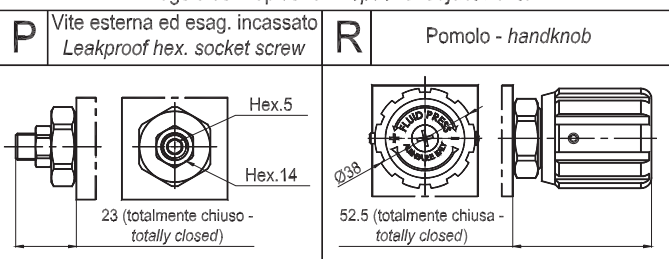


**Regolatore di flusso compensato, con ritorno libero**  
**In line pressure compensated flow regulator, with free reverse flow**

Rev.02-2010/05



Regolazioni opzionali - optional adjustments



TIPO TYPE	PORTATA MAX. MAX. FLOW	A	B	C	D	E	F	G	H	I	L	M	N	O	P	R	U	PESO WEIGHT
	L/MIN	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	BSPP	BSPP	mm	Kg
FPRUC-3/8	Vedere specifiche See specifications	29.5	42	71.5	40	85	139.5	31	64	95	106.5	40	20	41	3/8"	3/8"	6.5	1.085 - 2.450(S)
FPRUC-1/2		29.5	42	71.5	40	85	139.5	31	64	95	106.5	40	20	41	1/2"	1/2"	6.5	1.085 - 2.450(S)
FPRUC-3/4		38	42	80	52	100	154.5	35	82	120	131.5	50	25	44	3/4"	3/4"	8.5	1.085 - 4.320(S)

**ESEMPIO DI ORDINAZIONE - ORDERING CODE EXAMPLE**

**F P R U C**    **3 / 8**    **S**    **G**    **\***

3/8 - 3/8" BSPP  
 \* 1/2 - 1/2" BSPP  
 3/4 - 3/4" BSPP  
 Connessioni - Port sizes

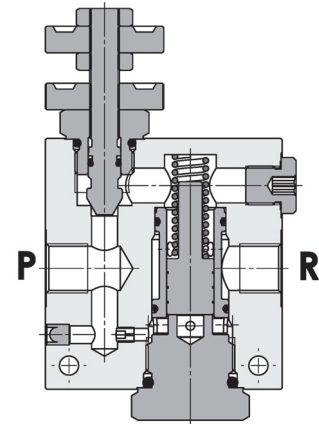
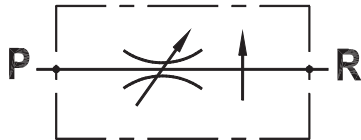
\* Mat. corpo: omettere se alluminio, S=acciaio  
 Body material: omit if aluminium, S=steel

Guarnizioni - Seals:  
 V=Viton \*  
 Omettere se BUNA-N - Omit if BUNA-N

G: ghiera - ring  
 P: vite con esag. incassato - leakproof hex. socket screw \*  
 R: pomolo - handknob  
 Regolazioni - Adjustments

**Regolatore di flusso a 2 vie compensato, in linea**  
**In line pressure compensated two-way flow regulator**

Rev.02-2010/05



**SPECIFICHE TECNICHE**

**Materiali:** corpo in alluminio (standard), a richiesta in acciaio.  
 Componenti interni in acciaio trattato termicamente.

**Portata max.:** - 30 l/min per 3/8";  
 - 50 l/min per 1/2";  
 - 90 l/min per 3/4"

**Pressione max.:** 250 bar (std), 350 bar (S)

**TECHNICAL SPECIFICATIONS**

**Materials:** aluminium body (std), steel body on request. Internal parts are in hardened steel.

**Rated flow:** - 30 l/min for 3/8";  
 - 50 l/min for 1/2";  
 - 90 l/min for 3/4"

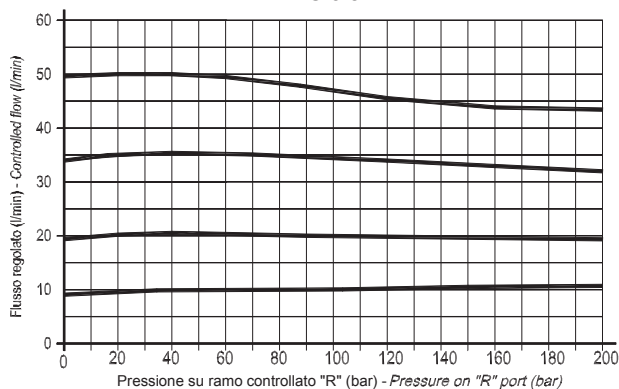
**Max. pressure:** 250 bar (std), 350 bar (S)

**DIAGRAMMA COMPENSAZIONE - COMPENSATION CURVES**

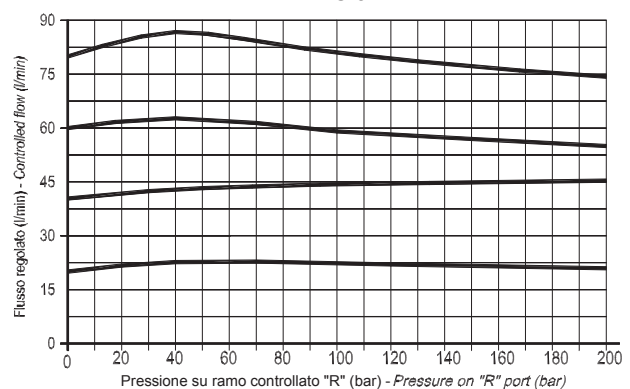
Viscosità olio 24 mm<sup>2</sup>/sec. (3,5 °E)  
 Temperatura 50 °C

Oil viscosity 24 mm<sup>2</sup>/sec. (3,5 °E)  
 Temperature 50 °C

FPRBC 3/8" - 1/2"

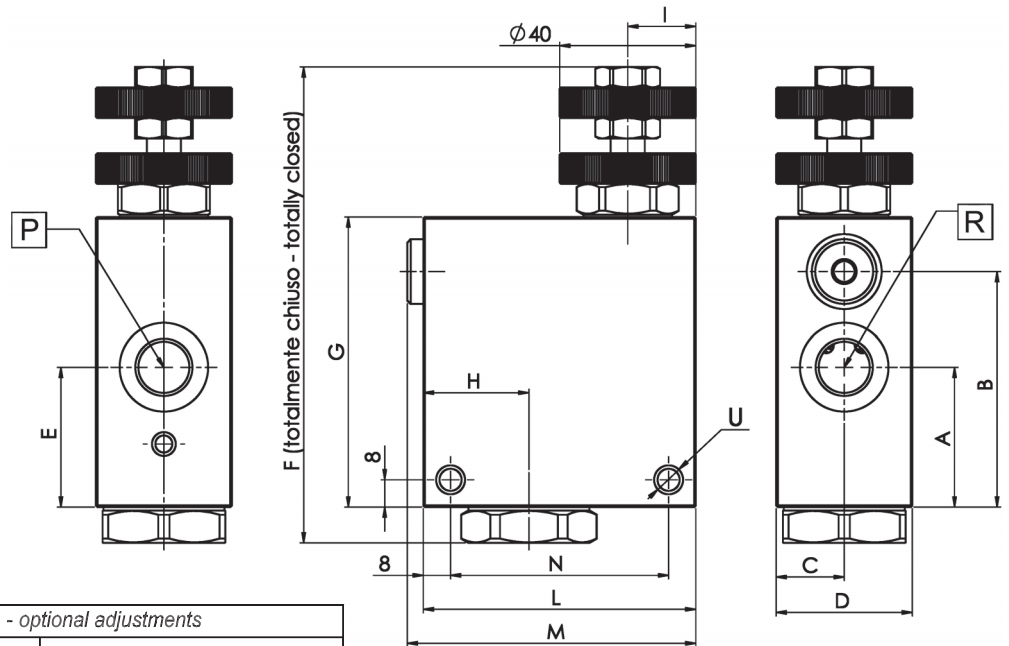


FPRBC 3/4"

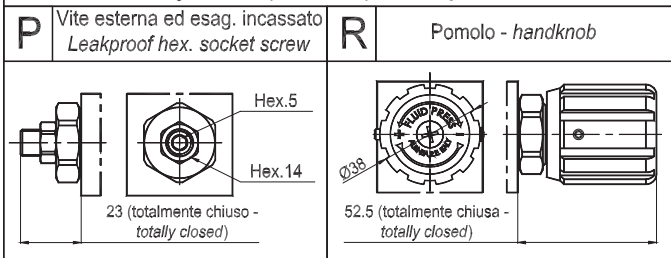


**Regolatore di flusso a 2 vie compensato, in linea**  
**In line pressure compensated two-way flow regulator**

Rev.02-2010/05



Regolazioni opzionali - optional adjustments



TIPO TYPE	PORTATA MAX. MAX. FLOW	A	B	C	D	E	F	G	H	I	L	M	N	P	R	U	PESO WEIGHT
	LMN	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	BSPP	BSPP	mm	Kg
FPRBC-3/8	Vedere specifiche See specifications	41	69	20	40	41	139.5	85	31	20	80	85	64	3/8"	3/8"	6.5	0.900 - 1.950(S)
FPRBC-1/2		41	69	20	40	41	139.5	85	31	20	80	85	64	1/2"	1/2"	6.5	0.900 - 1.950(S)
FPRBC-3/4		44	80	25	50	44	154.5	100	35	30	100	105	82	3/4"	3/4"	8.5	1.580 - 3.550(S)

**ESEMPIO DI ORDINAZIONE - ORDERING CODE EXAMPLE**

**F P R B C    3 / 8    S    G    \***

3/8 - 3/8" BSPP  
 \* 1/2 - 1/2" BSPP  
 3/4 - 3/4" BSPP  
 Connessioni - Port sizes

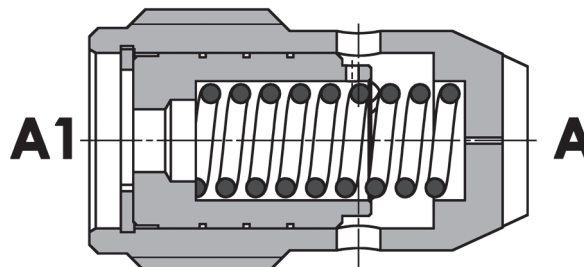
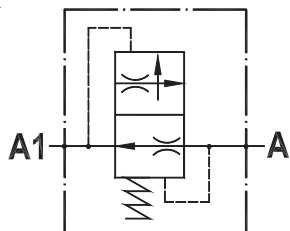
\* Mat. corpo: omettere se alluminio, S=acciaio  
 Body material: omit if aluminium, S=steel

Guarnizioni - Seals:  
 V=Viton \*  
 Omettere se BUNA-N - Omit if BUNA-N

G: ghiera - ring  
 P: vite con esag. incassato - leakproof hex. socket screw \*  
 R: pomolo - handknob  
 Regolazioni - Adjustments

**Valvola controllo discesa compensata**  
**Pressure compensated flow restricting valve**

Rev.03-2010/08



**SPECIFICHE TECNICHE**

**Materiali:** tutti i componenti sono in acciaio

**Portata max.:** vedere "tabella valori portata controllata"

**Pressione max.:** 300 bar

**TECHNICAL SPECIFICATIONS**

**Materials:** all the components are steel made

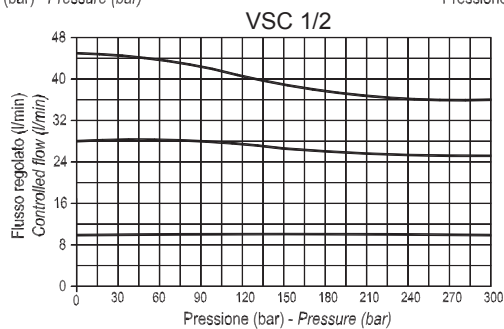
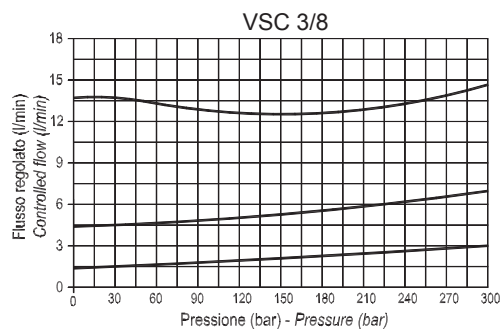
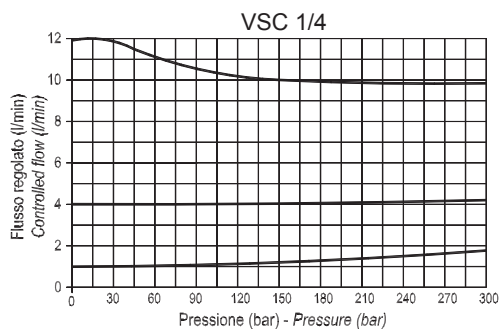
**Rated flow:** see "controlled flow setting list"

**Max. pressure:** 300 bar

**DIAGRAMMA COMPENSAZIONE - COMPENSATION CURVES**

Viscosità olio 24 mm<sup>2</sup>/sec. (3,5 °E)  
 Temperatura 50 °C

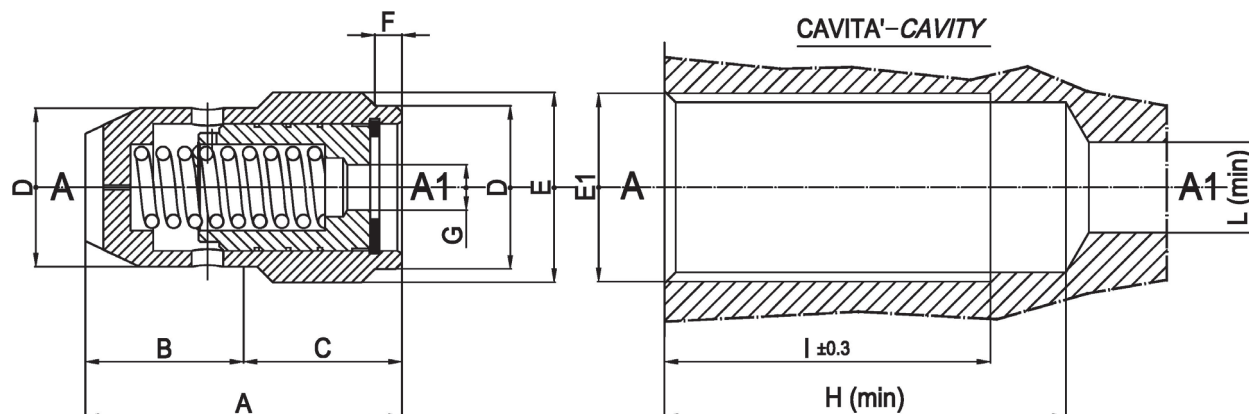
Oil viscosity 24 mm<sup>2</sup>/sec. (3,5 °E)  
 Temperature 50 °C





**Valvola controllo discesa compensata**  
**Pressure compensated flow restricting valve**

Rev.03-2010/08



TIPO TYPE	A	B	C	D	E	F	G	PESO WEIGHT	CAVITA' - CAVITY				COPPIA DI SERRAGGIO INSTALLATION TORQUE
									E1	H	I	L	
VSC-1/4"	27	15	12	11	1/4"	3	FORO DOSATORE (VEDI TABELLA) - ORIFICE (SEE LIST)	0,012	1/4"	40	36	8	2
VSC-3/8"	28	14	14	14	3/8"	4		0,025	3/8"	44	39	11	3
VSC-1/2"	35	19	16	18	1/2"	3		0,050	1/2"	51	47	14	4

Disponibili a richiesta corpi maschio-femmina e femmina-femmina, vedere sezione W100 -  
 Available on request male-female and female-female housing, see section W100

**ESEMPIO DI ORDINAZIONE - ORDERING CODE EXAMPLE**

**V S C    3 / 8    1 1**

1/4 - 1/4" BSPP  
 3/8 - 3/8" BSPP  
 1/2 - 1/2" BSPP  
 Connessioni - Port sizes

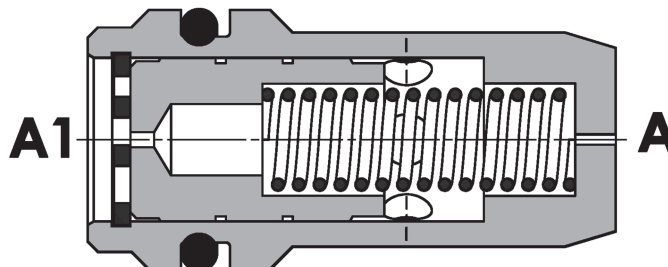
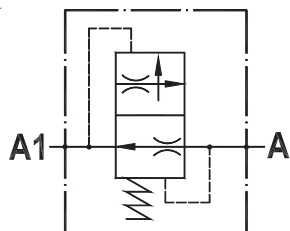
Tabella valori di portata controllata - Controlled flow setting list

VSC 1/4	Q (L/min)	1.5	2	3	4	5	6	7	8	9	10
	ØG (mm)	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00
VSC 3/8	Q (L/min)	1	2	3	4	5	6	8	10	11	12
	ØG (mm)	0.75	1.25	1.75	2.00	2.25	2.50	3.00	3.50	4.00	4.25
VSC 1/2	Q (L/min)	8	11	14	17	22	27	32	40	47	-
	ØG (mm)	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	-

\*

**Valvola controllo discesa compensata**  
**Pressure compensated flow restricting valve**

Rev.02-2010/05



**SPECIFICHE TECNICHE**

**Materiali:** tutti i componenti sono in acciaio

**Portata:** vedere "tabella valori portata controllata"

**Pressione max.:** 250 bar

**TECHNICAL SPECIFICATIONS**

**Materials:** all the components are steel made

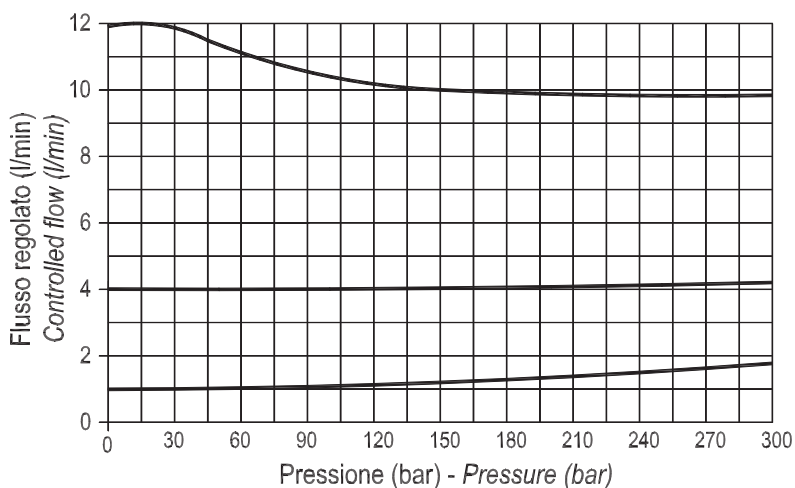
**Rated flow:** see "controlled flow setting list"

**Max. pressure:** 250 bar

**DIAGRAMMA COMPENSAZIONE - COMPENSATION CURVES**

Viscosità olio 24 mm<sup>2</sup>/sec. (3,5 °E)  
 Temperatura 50 °C

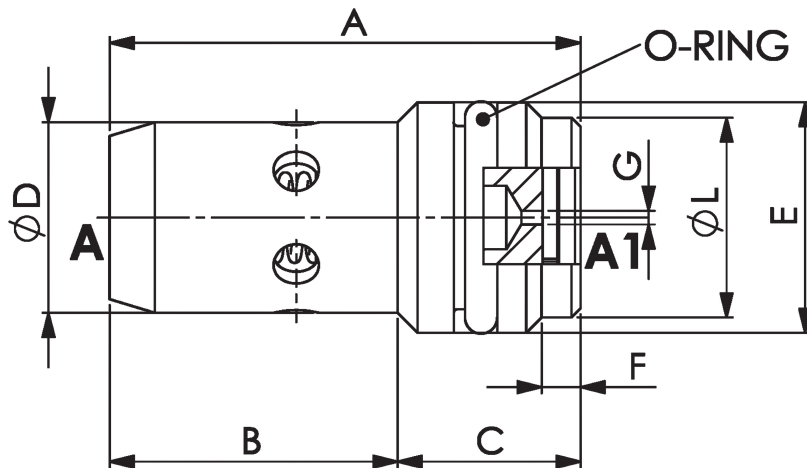
Oil viscosity 24 mm<sup>2</sup>/sec. (3,5 °E)  
 Temperature 50 °C





**Valvola controllo discesa compensata**  
**Pressure compensated flow restricting valve**

Rev.02-2010/05



**CAVITA' Ø12,7H7**

**CAVITY Ø12,7H7**

TIPO TYPE	A	B	C	D	E	F	O-RING	G	L	PESO WEIGHT
	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg
VSC G 1/4"	26	15.9	10.1	10.5	12.7	2.15	1.78X9.25	FORO DOSATORE (VEDI TABELLA) – ORIFICE (SEE LIST)	11	0.013

**ESEMPIO DI ORDINAZIONE - ORDERING CODE EXAMPLE**

**V S C G** | **1 / 4** | **1 0**

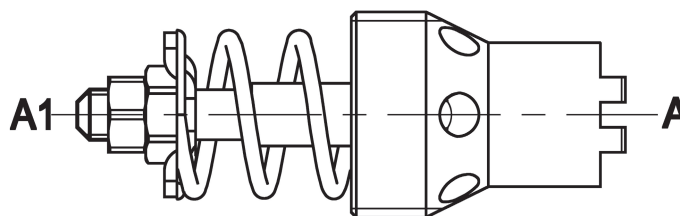
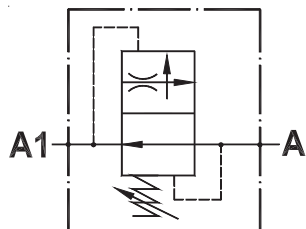
Tabella valori di portata controllata – *Controlled flow setting list*

Q (L/min)	1	1.5	2	3	4	5	6	7	8	9	10
ØG (mm)	0.5	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00

\*

**Valvola controllo discesa compensata regolabile**  
**Adjustable pressure compensated flow restricting valve**

Rev.02-2010/05



**SPECIFICHE TECNICHE**

**Materiali:** tutti i componenti sono in acciaio

**Portata:** vedere "tabella valori portata controllata"

**Pressione max.:** 300 bar

**TECHNICAL SPECIFICATIONS**

**Materials:** all the components are steel made

**Rated flow:** see "controlled flow setting list"

**Max. pressure:** 300 bar

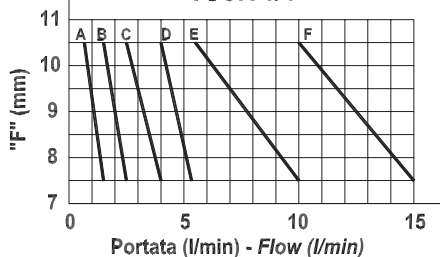
**DIAGRAMMI PERDITE DI CARICO E REGOLAZIONE - REGULATION AND DROP CURVES**

Viscosità olio 24 mm<sup>2</sup>/sec. (3,5 °E)  
 Temperatura 50 °C

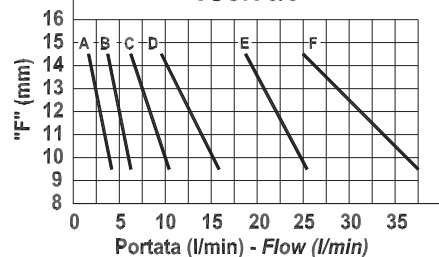
Oil viscosity 24 mm<sup>2</sup>/sec. (3,5 °E)  
 Temperature 50 °C

**Regolazione "F" - "F" setting**

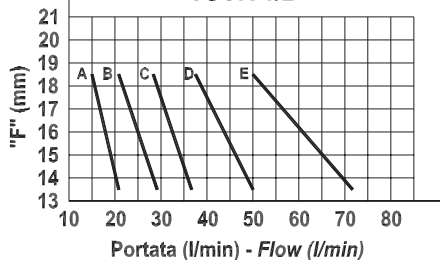
**VSCR 1/4"**



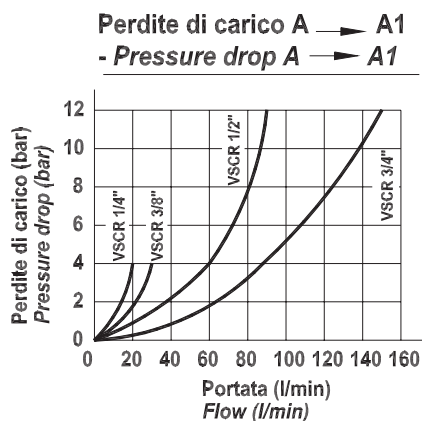
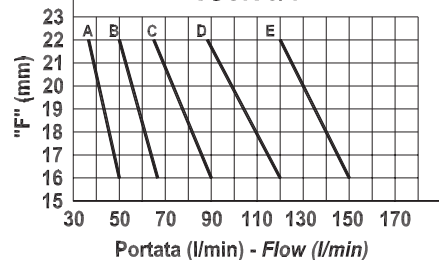
**VSCR 3/8"**



**VSCR 1/2"**



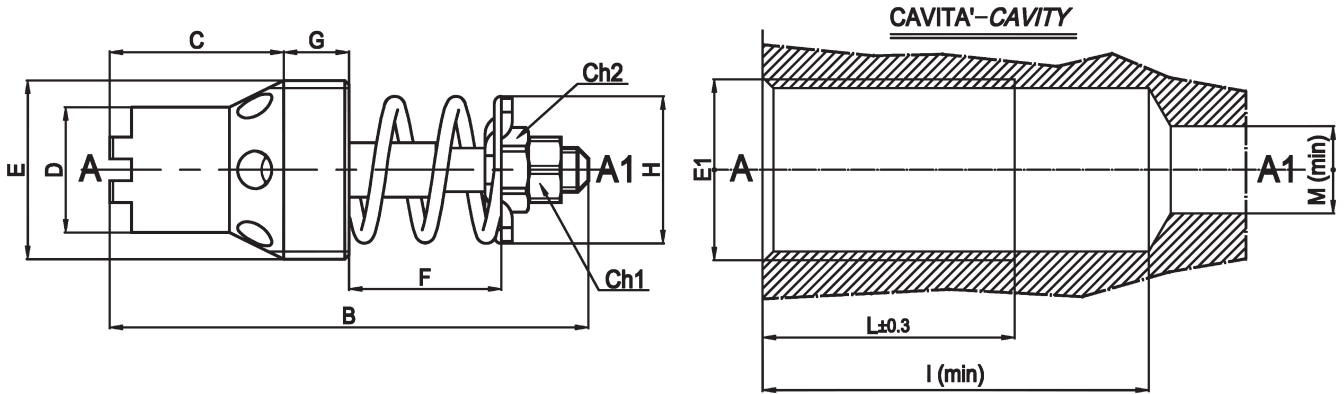
**VSCR 3/4"**





**Valvola controllo discesa compensata regolabile**  
**Adjustable pressure compensated flow restricting valve**

Rev.02-2010/05



TIPO TYPE	B	C	D	E	F	G	H	CH1	CH2	PESO WEIGHT	CAVITA' - CAVITY				COPPIA DI SERRAGGIO INSTALLATION TORQUE
	mm	mm	mm	BSPP	mm	mm	mm	mm	mm	Kg	E1 BSPP	I mm	L mm	M mm	
VSCR-1/4	39	13.5	10	1/4"	Vedi grafici See graphics	6	10	5.5	5.5	0.013	1/4"	53	32	8	6
VSCR-3/8	45	15.5	12.5	3/8"		5	14	6	7	0.024	3/8"	61	35	11	8
VSCR-1/2	51	16	16	1/2"		7	18	6	7	0.037	1/2"	69	40	14	12
VSCR-3/4	62	21	20	3/4"		10	23	6	7	0.070	3/4"	84	51	18	15

Disponibili a richiesta corpi maschio-femmina e femmina-femmina, vedere sezione W100 –  
 Available on request male-female and female-female housing, see section W100

**ESEMPIO DI ORDINAZIONE - ORDERING CODE EXAMPLE**

**V S C R**    **3 / 8**    \*    \*

- 1/4 – 1/4" BSPP
  - 3/8 – 3/8" BSPP
  - \* 1/2 – 1/2" BSPP
  - 3/4 – 3/4" BSPP
- Connessioni - Port sizes

Regolazione "F" (mm)  
 "F" regulation (mm) \*

Esempio - example: F10

Tabella valori di portata controllata – Controlled flow setting list

		A	B	C	D	E	F
VSCR-1/4	Q (L/min)	1 – 1.6	1.5 – 2.5	2.4 – 4	3.9 – 6.3	6.2 – 10	9.5 – 15
VSCR-3/8	Q (L/min)	2.5 – 4	3.8 – 6.3	6.1 – 10	9.8 – 16	15.8 – 25	24.5 – 35
VSCR-1/2	Q (L/min)	16 – 21	20.5 – 28	27.5 – 37	36.5 – 50	48 – 65	-
VSCR-3/4	Q (L/min)	37 – 50	48 – 65	63 – 90	88 – 120	115 – 150	-