

**HIGH PRECISION
PRESSURE REGULATOR**
REGOLATORE DI PRESSIONE
AD ALTA PRECISIONE

1/8", 1/4", 1/2" size available
Disponibile in taglia 1/8", 1/4", 1/2"

HPR

Series

Rapid and precise regulation
Regolazione rapida e precisa

2 position mounting bracket
Fissaggio con staffa a 2 posizioni

3 regulation ranges
from 0,05 to 8 Bar
*3 range di regolazione,
da 0,05 a 8 Bar*



Aluminium body
Corpo in alluminio





DESCRIPTION / DESCRIZIONE

Light and compact precision pressure regulator with aluminium painted body. Complete with 2-position bracket, gauge on request. The 0,05÷8 Bar regulation range allows great precision, due to the **multi-diaphragm construction concept**, the air escape and the high exhaust capacity for over pressure. These factors guarantee a rapid pressure regulation, while limiting fluctuation. Vesta HPR Series is perfect for **contact pressure control**, for regulating balancing and precise tension, and to control sealing and pressure-loss systems.

The high precision pressure regulators are **available in three sizes**, for different air flows and ports (1/8", 1/4", 1/2").

Regolatori di precisione leggeri e compatti con corpo in alluminio verniciato completi di staffa di fissaggio a due posizioni, e manometro a richiesta. Il range di regolazione 0,05÷8 Bar offre grande precisione, grazie al **concetto costruttivo multi-membrana**, alla fuga d'aria e alla elevata capacità di scarico delle sovrappressioni. Tutto questo rende possibile una rapida regolazione della pressione limitandone la fluttuazione. I regolatori Vesta HPR sono particolarmente idonei per il **controllo della pressione di contatto**, per la regolazione di sistemi di bilanciamento e tensionamento, per controllo di sistemi di tenuta o in perdita. **Disponibile in tre taglie**, a cui corrispondono diverse dimensioni, diverse portate e diverse connessioni (1/8", 1/4", 1/2").

ENCODING / CODIFICA

HPR -

Model:
Modello:
18 G1/8" port
14 G1/4" port
12 G1/2" port

Pressure range:
Range di pressione:
A (0,05÷2 Bar)
B (0,05÷4 Bar)
C (0,05÷8 Bar)

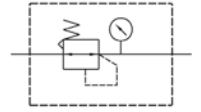
Brackets / Staffe

L bracket for HPR-18 **HPR-B18**
Staffa a L per HPR-18

L bracket for HPR-14 **HPR-B14**
Staffa a L per HPR-14

L bracket for HPR-12 **HPR-B12**
Staffa a L per HPR-12

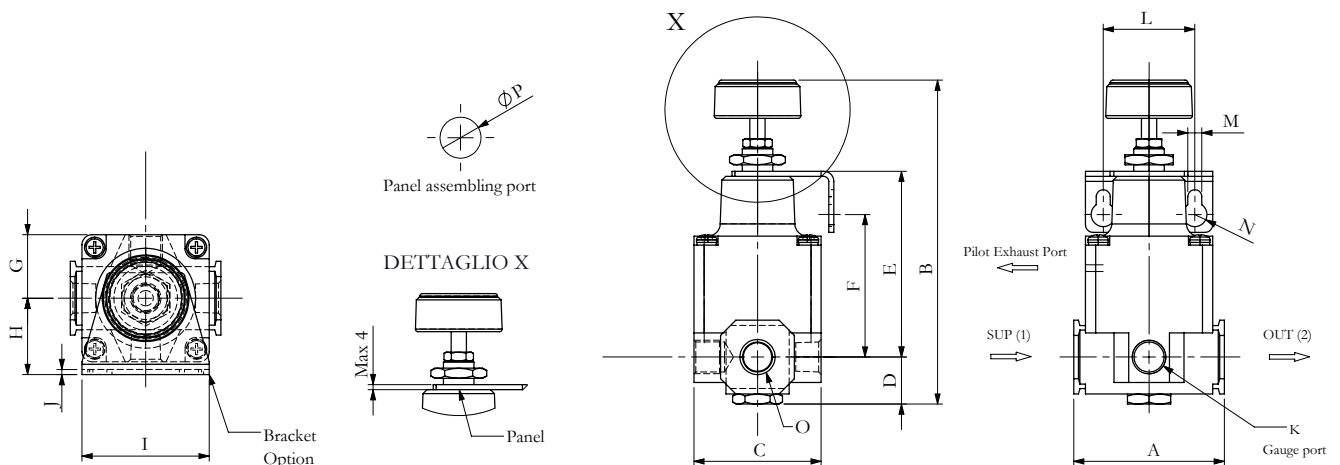
TECHNICAL FEATURES / CARATTERISTICHE TECNICHE



Pressure range Range di pressione	A - 0.05 / 2 Bar B - 0.05 / 4 Bar C - 0.05 / 8 Bar
Maximum inlet pressure Pressione massima di ingresso	10 Bar
Minimum inlet pressure Pressione minima di ingresso	Set Pressure / Pressione regolata +1 Bar
Air consumption (NL/min) 10 Bar Consumo d'aria (NL/min) 10 Bar	HPR18 - Max 3.5 HPR14 - Max 3.1 HPR12 - Max 9.5
Sensitivity / Sensibilità	0,2% F.S.
Accuracy / Ripetibilità	+/- 0.5% F.S.
Gauge port size Connessione monometro	G1/8"
Weight / Peso	HPR18 - 150gr HPR14 - 320gr HPR12 - 685gr
Ambient and fluid temperature Temperatura ambiente e fluido	-5/+60°

Note: for optimal use, filtered air (5 μ) not lubricated / Nota: per utilizzo ottimale, aria filtrata (5 μ) non lubrificata

DIMENSIONS HPR18/14/12 / DIMENSIONI HPR18/14/12

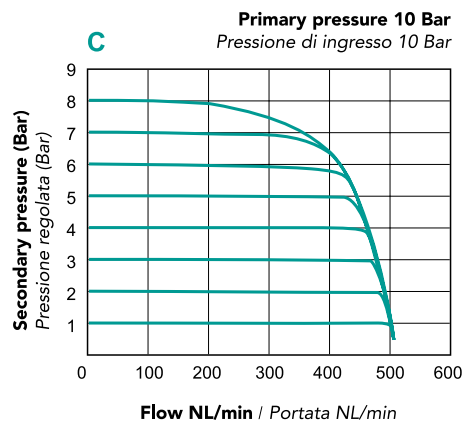
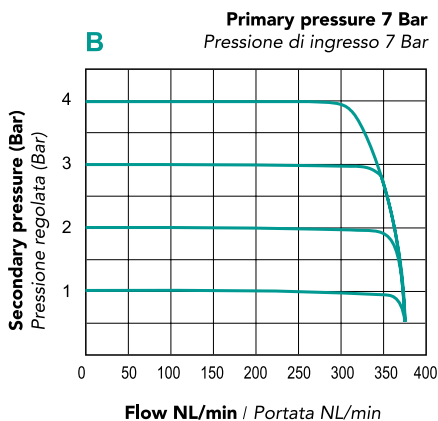
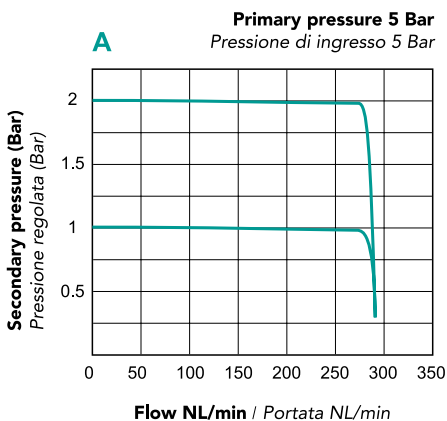


Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
HPR18	35	90	35	10	51	44	17,5	25	42	2	G 1/8	28	4,5	Φ 8,5	G 1/8	Φ 10,5
HPR14	50	123	50	18	71	63	25	30	50	2	G 1/8	36	5,5	Φ 9,5	G 1/4	Φ 12,5
HPR12	66	148	66	22	76	76	33	48	82	2,3	G 1/8	60	9	Φ 15,5	G 1/2	Φ 12,5

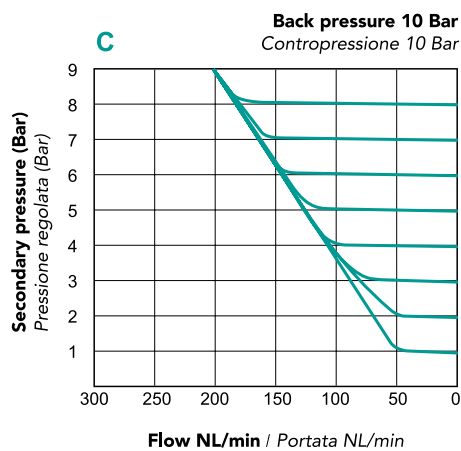
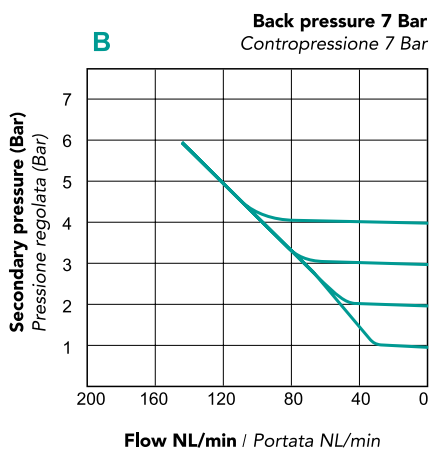
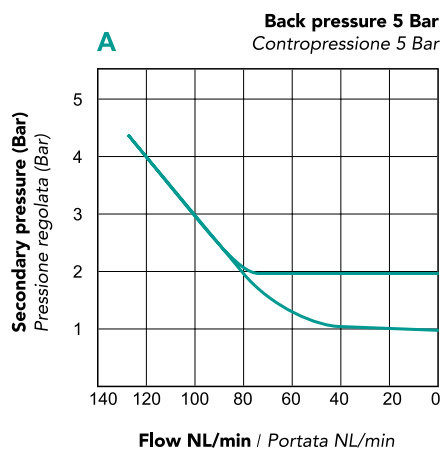
FLOW FEATURE / DIAGRAMMI DI REGOLAZIONE

HPR18

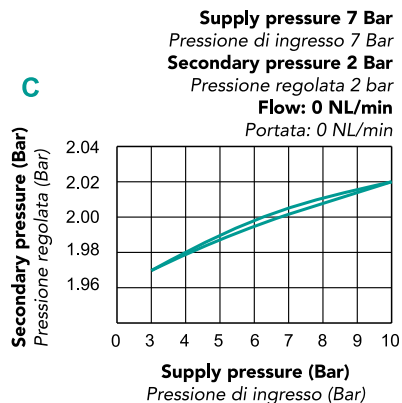
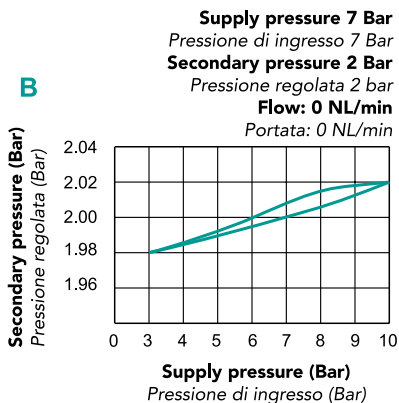
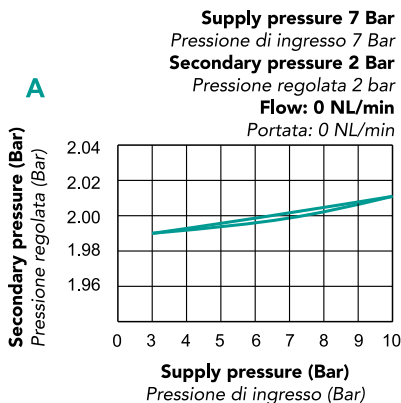
FLOW RATE HPR18 / PORTATA HPR18



RELIEF CHARACTERISTICS HPR18 / SCARICO SOVRAPRESSIONE HPR18



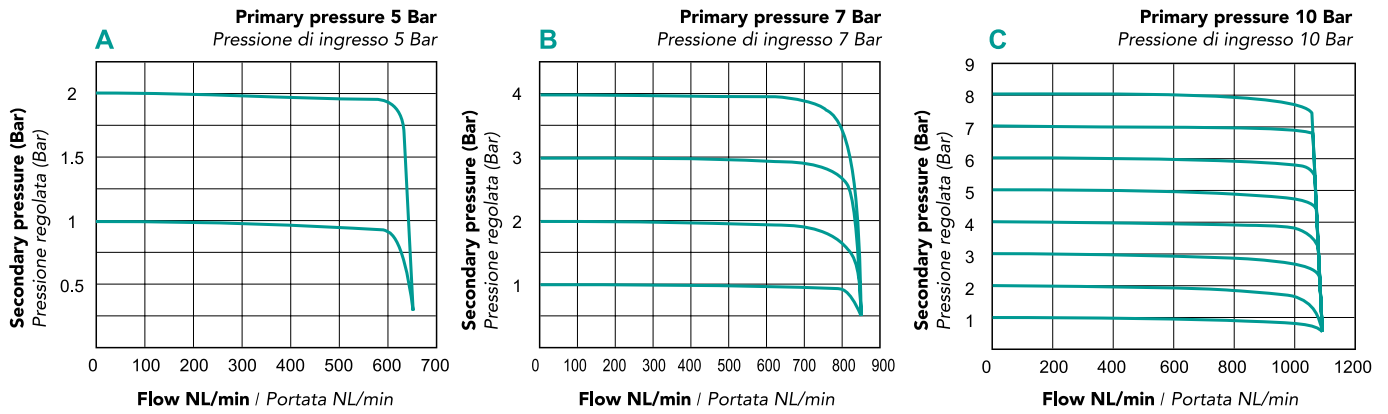
PRESSURE CHARACTERISTICS HPR18 / PRESSIONE HPR18



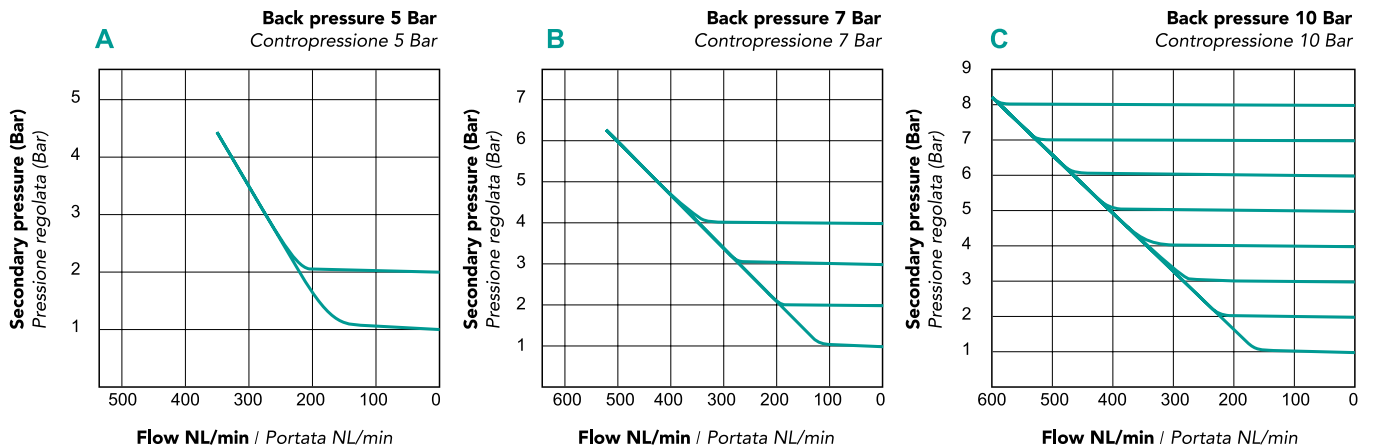
HPR14

FLOW FEATURE / DIAGRAMMI DI REGOLAZIONE

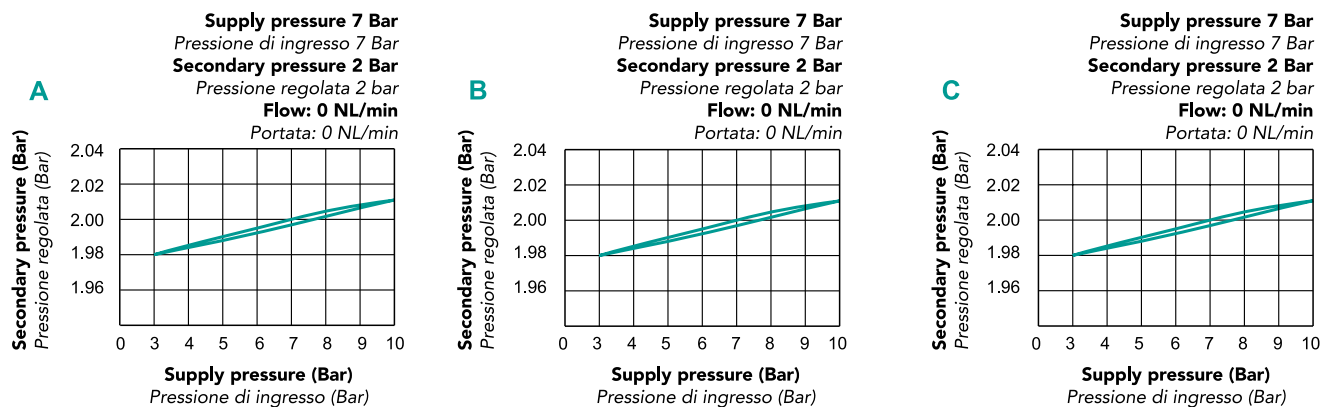
FLOW RATE HPR14 / PORTATA HPR14



RELIEF CHARACTERISTICS HPR14 / SCARICO SOVRAPRESSIONE HPR14



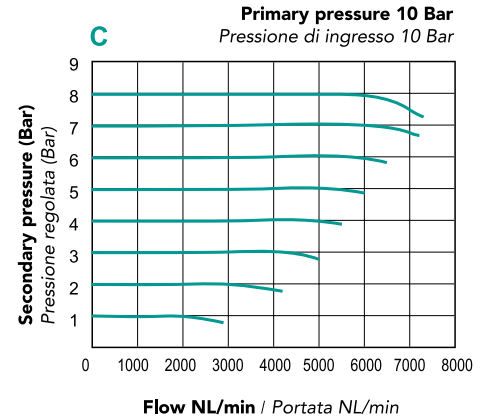
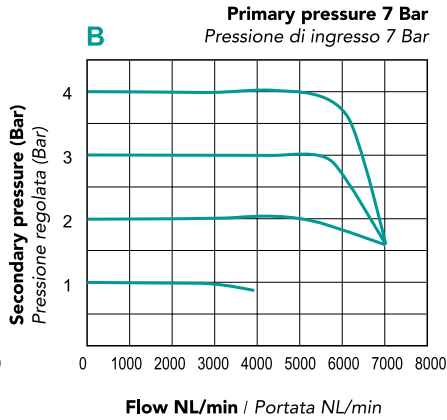
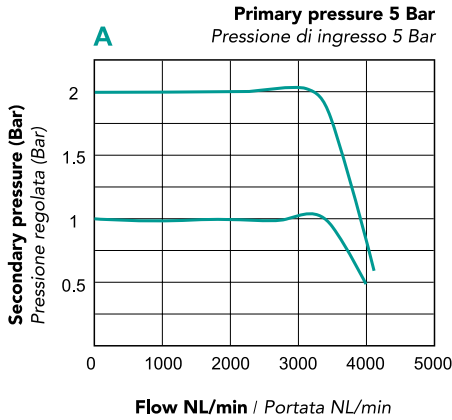
PRESSURE CHARACTERISTICS HPR14 / PRESSIONE HPR14



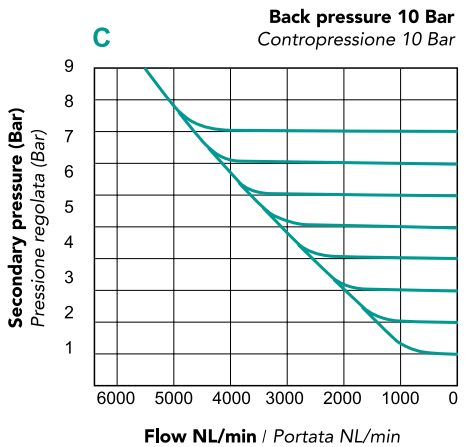
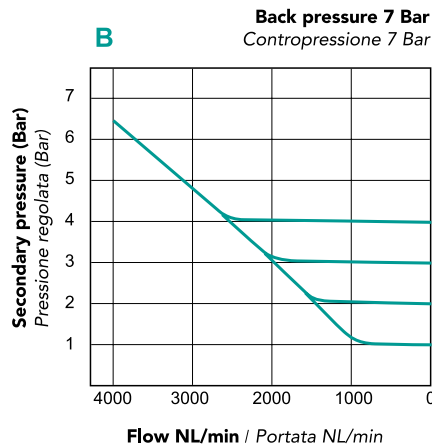
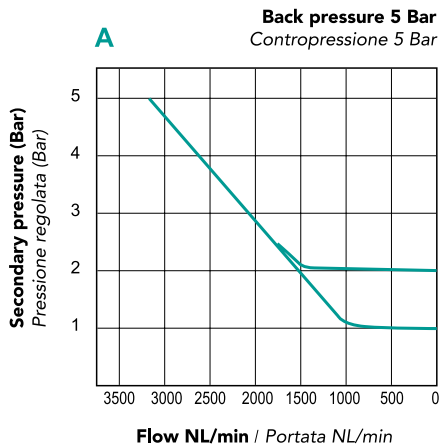
FLOW FEATURE / DIAGRAMMI DI REGOLAZIONE

HPR12

FLOW RATE HPR12 / PORTATA HPR12



RELIEF CHARACTERISTICS HPR12 / SCARICO SOVRAPRESSIONE HPR12



PRESSURE CHARACTERISTICS HPR12 / PRESSIONE HPR12

