pneumatica

agility in automation

GRUPPI TRATTAMENTO ARIA

AIR PREPARATION UNITS

ANKASAN

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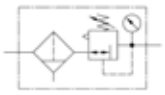
Filtro regolatore G1/4" serie S

G1/4" filter regulator S series

- Scarico semiautomatico, filtro 5 µm
  Semi-automatic drain, filtro 5 µm
- Installazione verticale; staffa di fissaggio a richiesta
  Vertical installation; bracket on request
- Presa d'aria: ingresso a sinistra
  Air inlet: left side
- Aria compressa, gas neutri
  Medium: compressed air, neutral gases

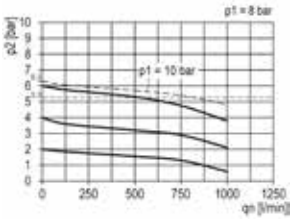


Materiali
Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza: policarbonato

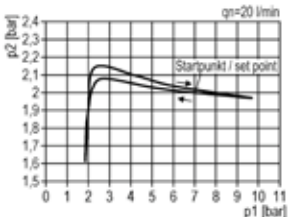
Materials
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel
Bowl: polycarbonate

Attacchi *[Ports]*		**G1/4"**
Temperatura di esercizio °C *[Temperature range °C]*		-10°C ... +60°C
Peso *[Weight]*		0.16 kg
Pressione di alimentazione *Inlet pressure range*	$p_{1\,min}$ $p_{1\,max}$	1.5 bar 12 bar
Pressione di utilizzo *Outlet pressure range*	$p_{2\,min}$ $p_{2\,max}$	0.5 bar 10 bar
Portata nominale p = 6.3 bar; Δp = 1 bar *Nominal flow*	Q_{max}	1450 l/min
CODICE DI ORDINAZIONE *ORDER CODE*		**FR 2SK-08-05-S** 16.391.0

Caratteristiche di portata
Flow characteristics



Isteresi
Hysteresis

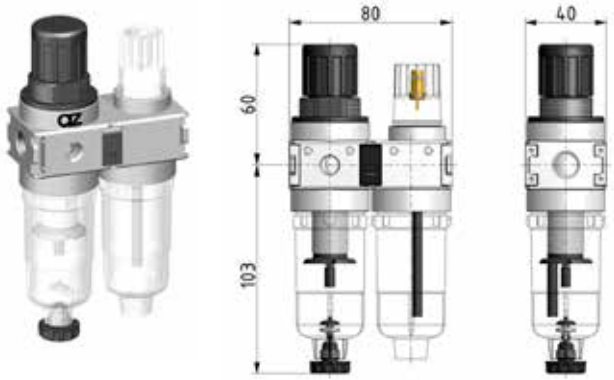


Filtroregolatore + lubrificatore (gruppo trattamento aria FR+L) G1/4" serie S

G1/4" filter regulator + lubricator (FR+L air preparation unit) S series

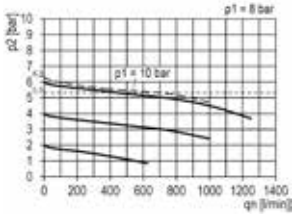
- Materiale corpo: zamak
  Body material: zamak
- Scarico semiautomatico, filtro 5 µm
  Semi-automatic drain, filter 5 µm
- Rifornimento olio manuale
  Manual oil refilling
- Installazione verticale; staffa di fissaggio a richiesta
  Vertical installation; bracket on request
- Aria compressa, gas neutri
  Medium: compressed air, neutral gases
- Capacità tazza: 35 cm³
  Bowl capacity: 35 cm³

KIT MONTAGGIO *[coupling kit]*
Codice di ordinazione *[Order code]*
KIT 2SK-00
16.392.0

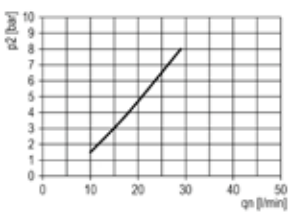


Attacchi *[Ports]*		**G1/4"**
Temperatura di esercizio °C *[Temperature range °C]*		-10°C ... +60 °C
Peso *[Weight]*		0.52 kg
Pressione di alimentazione *Inlet pressure range*	$p_{1\,min}$ $p_{1\,max}$	1.5 bar 12 bar
Pressione di utilizzo *Outlet pressure range*	$p_{2\,min}$ $p_{2\,max}$	0.5 bar 10 bar
Portata nominale p = 6.3 bar; Δp = 1 bar *Nominal flow*	Q_{max}	700 l/min
CODICE DI ORDINAZIONE *ORDER CODE*		**FR+L 2SK-08-05-S** 16.390.0

Caratteristiche di portata
Flow characteristics



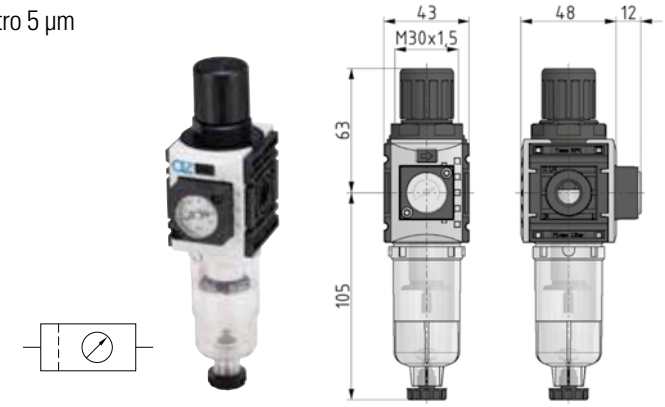
Rapporto olio/aria
Oil/air ratio



Mini filtroregolatore G1/4”

Mini G1/4” filter-regulator

- Regolatore a membrana con valvola di scarico sovrapressione (relieving); filtro 5 µm
  Diaphragm-type pressure regulator with relieving; filter 5 µm
- Manometro incorporato da 0 a 12 bar
  Embedded manometer from 0 to 12 bar
- Installazione in linea o a pannello; staffa di fissaggio e ghiera a richiesta
  In-line or panel mounting; mounting bracket and ring on request

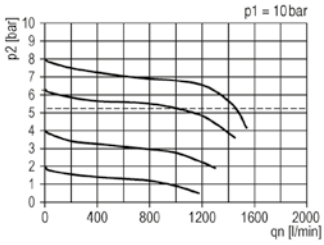


Materiali
Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza: policarbonato

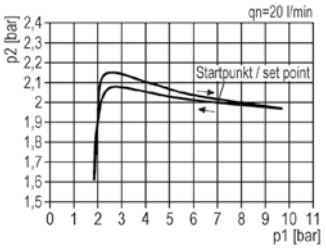
Materials
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel
Bowl: polycarbonate

Attacchi *[Ports]*			**G1/4” MINI**
Temperatura di esercizio °C *Temperature range °C*			0 ... +50°C
Peso *[Weight]*			0.23 kg
Pressione di alimentazione *Inlet pressure range*		$p_{1\ min}$ $p_{1\ max}$	1.5 bar 12 bar
Pressione di utilizzo *Outlet pressure range*		$p_{2\ min}$ $p_{2\ max}$	0.5 bar 8 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	1000 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**FR 2MK-08-05-S** 16.300.0

Caratteristiche di portata
Flow characteristics



Isteresi
Hysteresis



Mini lubrificatore G1/4”

Mini G1/4” lubricator

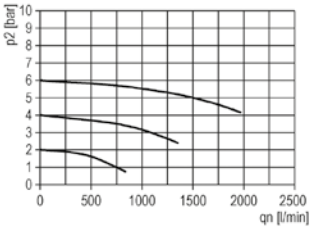
- Lubrificatore venturi con compensazione automatica della portata
  Oil mist lubricator with flow compensation
- Rifornimento olio manuale
  Manual oil refilling
- Installazione verticale; staffa di fissaggio a richiesta
  Vertical installation; bracket on request
- Capacità tazza: 35 cm³
  Bowl capacity: 35 cm³

Materiali
Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza: policarbonato

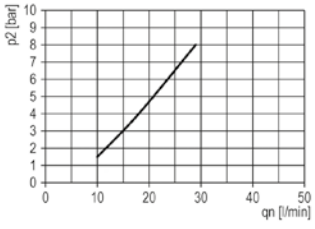
Materials
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel
Bowl: policarbonate

Attacchi *[Ports]*			**G1/4” MINI**
Temperatura di esercizio °C *Temperature range °C*			0 ... +50°C
Peso *[Weight]*			0.15 kg
Pressione di esercizio *Working pressure range*		p_{min} p_{max}	1.5 bar 12 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	1500 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**LUB 2MK-00** 16.299.0

Caratteristiche di portata
Flow characteristics



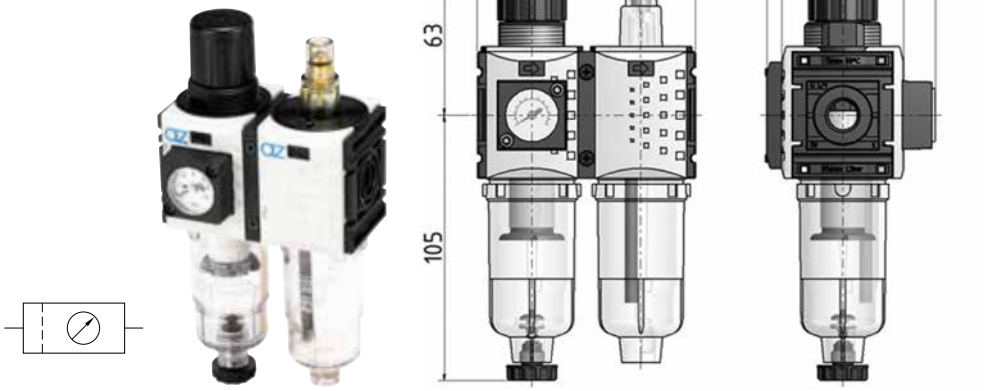
Isteresi
Hysteresis



Mini gruppo trattamento aria FR+L G1/4”

Mini G1/4” FR+L air preparation unit

- Regolatore a membrana con valvola di scarico sovrapressione (relieving); filtro 5 µm
  Diaphragm-type pressure regulator with relieving; filter 5 µm
- Rifornimento olio manuale
  Manual oil refilling
- Manometro incorporato da 0 a 12 bar; capacità tazza: 35 cm³
  Embedded manometer from 0 to 12 bar; bowl capacity: 35 cm³
- Installazione in linea o a pannello; staffa di fissaggio e ghiera a richiesta
  In-line or panel mounting; mounting bracket and ring on request



Materiali

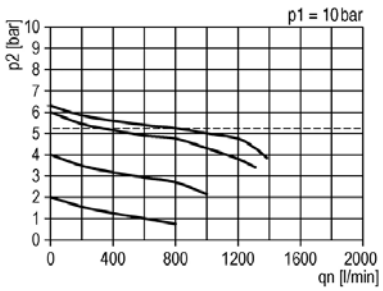
Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza: policarbonato

Materials

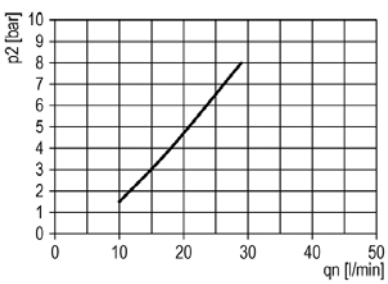
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel
Bowl: polycarbonate

Attacchi *Ports*			**G1/4” MINI**
Temperatura di esercizio °C *Temperature range °C*			0 ... +50°C
Peso *Weight*			0.43 kg
Pressione di esercizio *Working pressure range*		$p_{1\,min}$ $p_{1\,max}$	1.5 bar 12 bar
Pressione di esercizio *Working pressure range*		$p_{2\,min}$ $p_{2\,max}$	0.5 bar 8 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	800 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**FR+L 2MK-08-05-S** 16.298.0

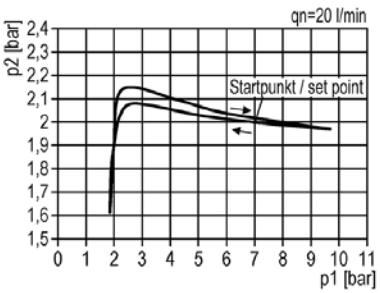
Caratteristiche di portata
Flow characteristics



Rapporto olio/aria
Oil/air ratio



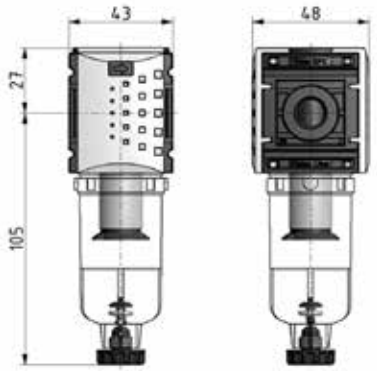
Isteresi
Hysteresis



Mini filtro separatore G1/4”

Mini G1/4” filter-water-separator

- Sistema ciclonico ed elemento filtrante 5 µm
  Cyclone system and filter element 5 µm
- Grado di filtrazione: 95%
  Moisture separation: 95%
- Installazione verticale
  Vertical installation
- Protezione della tazza di serie
  Bowl protection already mounted



Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza interna: policarbonato
Protezione tazza: poliammide

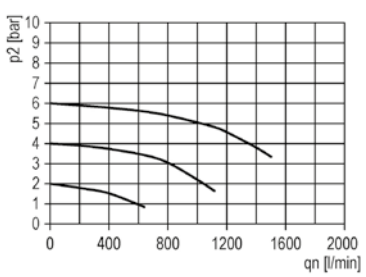
Materials

Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel
Internal bowl: polycarbonate
Bowl protection: polyamide

La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

Attacchi *[Ports]*			**G1/4” MINI**
Temperatura di esercizio °C *Temperature range °C*			0 ... +50°C
Peso *[Weight]*			0.12 kg
Pressione di esercizio *Working pressure range*		p_{min} p_{max}	1.5 bar 12 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	1000 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**FIL 2MK-08-05-S** 16.251.0

Caratteristiche di portata
Flow characteristics



Mini microfiltro-depuratore

Mini sub-micro-filter

- Elementi filtranti a coalescenza ad alte prestazioni
  Special filter elements with high performances
- Grado di filtrazione: 99.999%
  Degree of filtration: 99.999%
- Olio residuo: 0.01 mg/m³ (concentrazione in entrata: 3 mg/m³)
  Residual oil: 0.01 mg/m³ (input concentration: 3 mg/m³)
- Installazione verticale
  Vertical installation
- Protezione della tazza di serie
  Bowl protection already mounted

Materiali

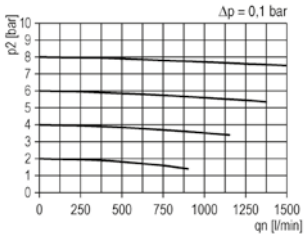
Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza interna: policarbonato
Protezione tazza: poliammide

Materials

Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel
Internal bowl: polycarbonate
Bowl protection: polyamide

Attacchi *[Ports]*		**G1/4" MINI**
Temperatura di esercizio °C *Temperature range °C*		0 ... +50°C
Peso *[Weight]*		0.13 kg
Pressione di esercizio *Working pressure range*	p_{min} p_{max}	1.5 bar 12 bar
Portata nominale *Nominal flow* p = 6.3 bar; Δp = 1 bar	Q_{max}	190 l/min
CODICE DI ORDINAZIONE *ORDER CODE*		**MFIL 2MK-S** 16.261.0

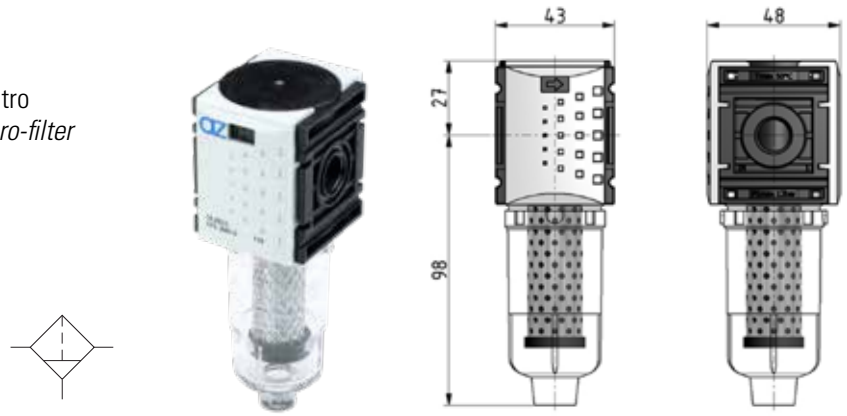
Caratteristiche di portata
Flow characteristics



Mini filtro a carbone attivo

Mini activated carbon filter

- Elementi filtranti speciali a carbone attivo
  Activated carbon filter elements
- Olio residuo: 0.003 p.p.m. in combinazione con microfiltro
  Residual oil: 0.003 p.p.m. in combination with sub-micro-filter
- Installazione verticale
  Vertical installation
- Protezione della tazza di serie
  Bowl protection already mounted



Materiali

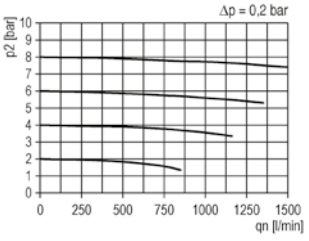
Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza interna: policarbonato
Protezione tazza: poliammide

Materials

Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel
Internal bowl: polycarbonate
Bowl protection: polyamide

Attacchi *[Ports]*		**G1/4" MINI**
Temperatura di esercizio °C *Temperature range °C*		0 ... +50°C
Peso *[Weight]*		0.13 kg
Pressione di esercizio *Working pressure range*	p_{min} p_{max}	1.5 bar 12 bar
Portata nominale *Nominal flow* p = 6.3 bar; Δp = 1 bar	Q_{max}	470 l/min
CODICE DI ORDINAZIONE *ORDER CODE*		**CFIL 2MK-S** 16.260.0

Caratteristiche di portata
Flow characteristics

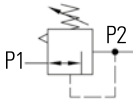


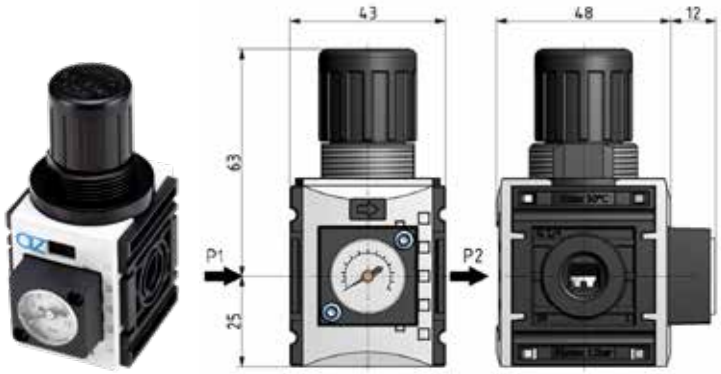
Mini-regolatore di pressione con manometro incorporato

REG 2MPTK-08

Mini pressure regulator with embedded manometer

- Regolatore a membrana con valvola di scarico sovrapressione (relieving)
  Piston-type pressure regulator with relieving
- Autocompensazione durante la regolazione
  Self-compensated regulation
- Installazione in linea o a pannello; staffa di fissaggio a richiesta
  In-line or panel mounting; bracket on request





Materiali
Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

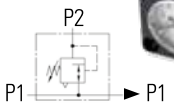
Materials
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

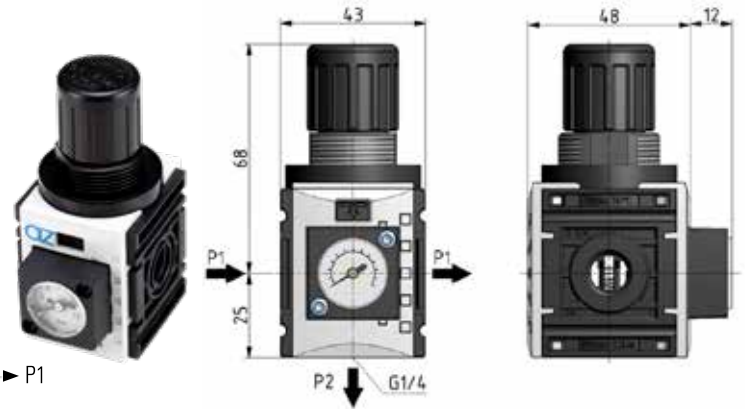
Mini-regolatore di pressione P1 passante con manometro incorporato

REG 2MTTK-08

Pass-through P1 mini pressure regulator with embedded manometer

- Regolatore a membrana con valvola di scarico sovrapressione (relieving)
  Piston-type pressure regulator with relieving
- Autocompensazione durante la regolazione
  Self-compensated regulation
- Installazione in linea o a pannello; staffa di fissaggio a richiesta
  In-line or panel mounting; bracket on request



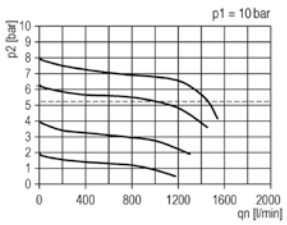


Materiali
Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

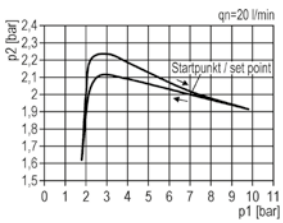
Materials
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

			mini regolatore di pressione P1 passante *pass-through P1 mini pressure regulator*	**mini regolatore di pressione** *mini pressure regulator*
Attacchi *[Ports]*			**G1/4" MINI**	**G1/4" MINI**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C	0 ... +50°C
Peso *[Weight]*			0.165 kg	0.165 kg
Pressione di alimentazione *Inlet pressure range*		$p_{1\,min}$ $p_{1\,max}$	1.5 bar 12 bar	1.5 bar 12 bar
Pressione di esercizio *Working pressure range*		$p_{2\,min}$ $p_{2\,max}$	0.5 bar 8 bar	0.5 bar 8 bar
Portata nominale *[Nominal flow]*	p = 6.3 bar; Δp = 1 bar	Q_{max}	1000 l/min	1000 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**REG 2MTTK-08** 16.264.0	**REG 2MPTK-08** 16.256.0

Caratteristiche di portata
Flow characteristics



Isteresi
Hysteresis



Mini avviatore progressivo G1/4”

Mini G1/4” slow-start valve

Modalità di funzionamento

La valvola fornisce a un circuito pneumatico aria a pressione progressivamente crescente fino a raggiungere la metà della pressione di rete nel tempo impostato con la vite di regolazione integrata. Durante questa fase non devono essere attivi gli elementi del circuito che consumano aria. Raggiunta la soglia di commutazione, l’avviatore progressivo passa automaticamente a fornire la pressione di rete. L’avviatore progressivo impedisce eventuali movimenti improvvisi dei dispositivi pneumatici montati nel circuito, che si potrebbero avere se venisse fornita immediatamente la pressione di rete.

Valve operation

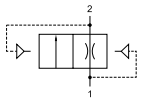
The valve applies to a pneumatic circuit a progressively increasing pressure over a period of time set by the integrated screw. During this phase no air consumption is allowed in the circuit. After having reached the half of the system pressure, the slow-start valve begins to automatically feed the circuit with the system pressure. The slow-start valve prevents from unexpected motions of the pneumatic devices in the circuit, which could happen by applying directly the system pressure.

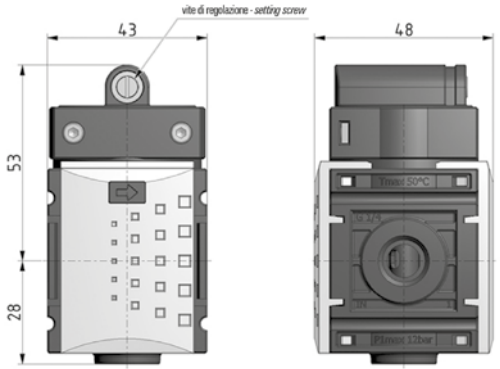
Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

Materials

Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

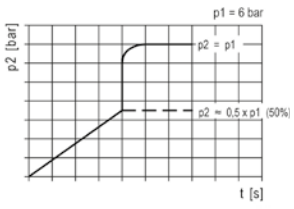




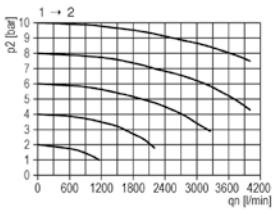
La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

Attacchi *Ports*			**G1/4” MINI**
Temperatura di esercizio °C *Temperature range °C*			0 ... +50°C
Peso *Weight*			0.14 kg
Pressione di esercizio *Working pressure range*		p_{min} p_{max}	2.5 bar 12 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	2000 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**AVP 2MK-00** 16.290.0

Rapporto tempo/pressione
Time/pressure ratio



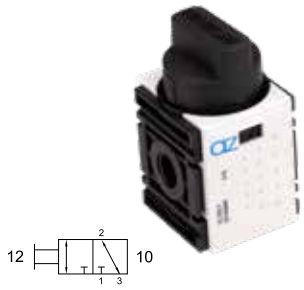
Portata in scarico
Exhaust flow rate

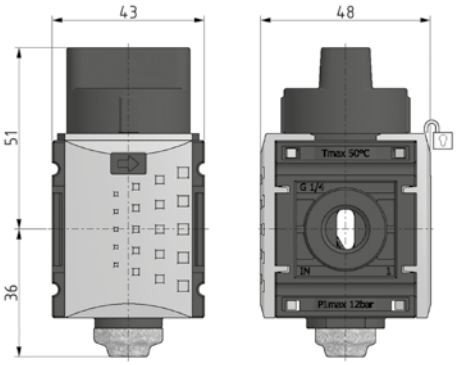


Mini valvola sezionamento circuito 3/2 G1/4”

Mini 3/2 G1/4” shut-off valve

- Elemento modulare ad alte prestazioni
  High performance modular element
- Elevata portata in scarico
  High exhaust flow rate
- Comando manuale; possibilità di chiusura a lucchetto
  Manual actuation; it can be secured with a padlock
- Installazione in qualsiasi posizione
  Installation in any position



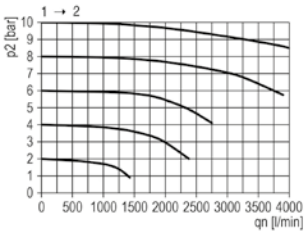


Materiali
Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

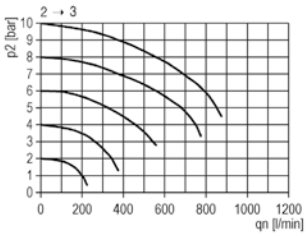
Materials
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

Attacchi *[Ports]*			**G1/4” MINI**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C
Peso *[Weight]*			0.1 kg
Pressione di esercizio *Working pressure range*		p_{min} p_{max}	0 bar 16 bar
Portata massima in entrata *Inlet maximum flow rate*	p = 6.3 bar Δp = 1 bar	Q_{max}	2300 l/min
Portata massima in scarico *Exhaust maximum flow rate*		Q_{max}	300 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**SR-M2MK** 16.293.0

Portata in entrata
Inlet flow rate



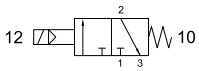
Portata in scarico
Exhaust flow rate

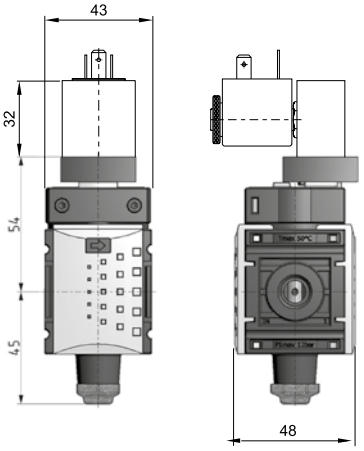


Mini valvola elettrica di scarico rapido 3/2 G1/4”

Mini 3/2 G1/4” electric quick exhaust valve

- Valvola 3/2 di scarico rapido e sezionamento circuito a comando elettrico
  Solenoid actuated 3/2 quick exhaust and shut-off valve
- Elevata portata in scarico
  High exhaust flow rate



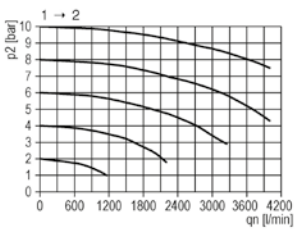


Materiali
Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

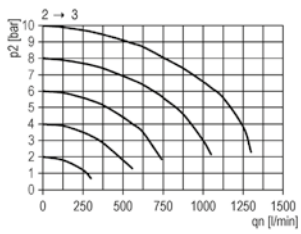
Materials
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

Attacchi *[Ports]*			**G1/4” MINI**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C
Peso *[Weight]*			0.25 kg
Pressione di esercizio *[Working pressure range]*		p_{min} p_{max}	2 bar 10 bar
Portata massima in entrata *Inlet maximum flow rate*	p = 6.3 bar; Δp = 1 bar	Q_{max}	2000 l/min
Portata massima in scarico *Exhaust maximum flow rate*		Q_{max}	400 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**SCR 2MK-E** 16.292.3

Portata in entrata
Inlet flow rate



Portata in scarico
Exhaust flow rate



La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

Il prodotto è venduto senza bobina, da acquistarsi separatamente.
The product is sold without coil, which is bought separately.

Mini valvola di scarico rapido 3/2 G1/4”

Mini 3/2 G1/4” quick exhaust valve

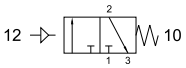
- Valvola 3/2 di scarico rapido e sezionamento circuito a comando pneumatico
  Pneumatically actuated 3/2 quick exhaust and shut-off valve
- Elevata portata in scarico
  High exhaust flow rate

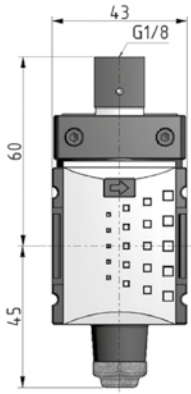
Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

Materials

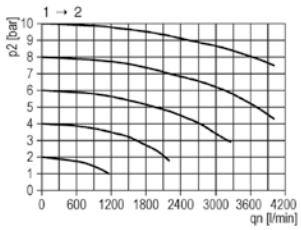
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel



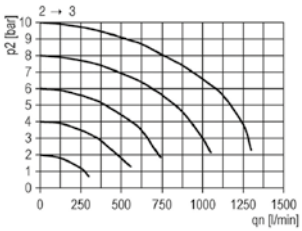


Attacchi *[Ports]*			**G1/4” MINI**
Temperatura di esercizio °C *Temperature range °C*			0 ... +50°C
Peso *[Weight]*			0.2 kg
Pressione di esercizio *Working pressure range*		p_{min} p_{max}	2 bar 12 bar
Portata massima in entrata *Inlet maximum flow rate*	p = 6.3 bar Δp = 1 bar	Q_{max}	2000 l/min
Portata massima in scarico *Exhaust maximum flow rate*		Q_{max}	400 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**SCR 2MK-P** 16.291.0

Portata in entrata
Inlet flow rate



Portata in scarico
Exhaust flow rate

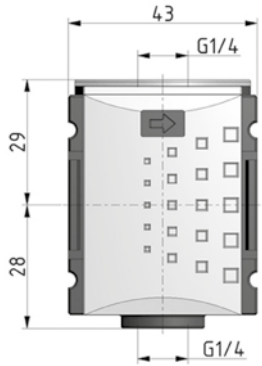


La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

Presa d’aria

Porting block

Attacchi *Ports*	**G1/4” MINI**
CODICE DI ORDINAZIONE *ORDER CODE*	**PAI 2MK-00** 16.294.0

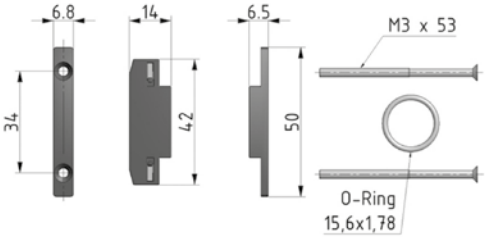


Può essere utilizzata per prelevare aria non lubrificata e/o non regolata.
It can be used to provide unlubricated and/or unregulated air.

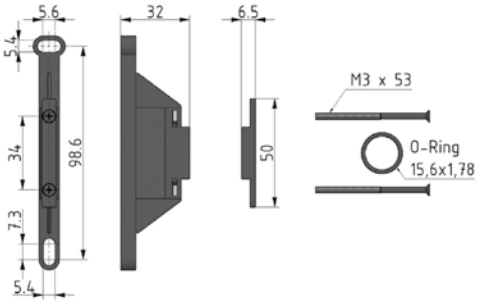
Kit montaggio con staffa di fissaggio

Coupling kit with mounting bracket

ATTACCHI *PORTS*	**CODICE DI ORDINAZIONE** *ORDER CODE*
G1/4" MINI	**KIT 2MK-00** 16.296.0



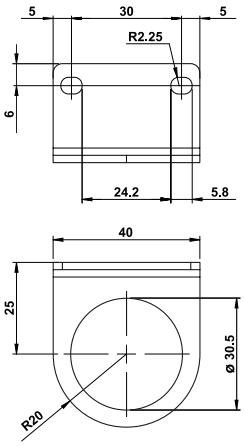
ATTACCHI *PORTS*	**CODICE DI ORDINAZIONE** *ORDER CODE*
G1/4" MINI	**KIT 2MK-01** 16.295.0

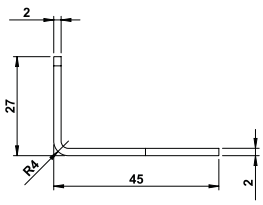


Kit montaggio serie S

Coupling kit series S

ATTACCHI *PORTS*	**CODICE DI ORDINAZIONE** *ORDER CODE*
G1/4" per serie S *G1/4" for S series*	**KIT 2SK-00** 16.392.0





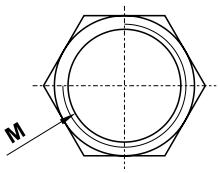
L'anello di montaggio a pagina 32 è necessario
The mounting ring on page 32 is required

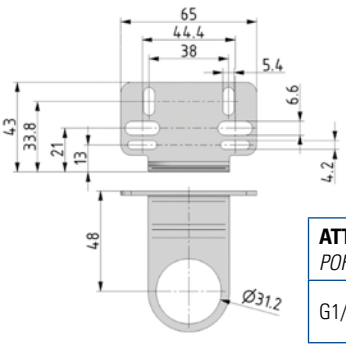
CODICE DI ORDINAZIONE *ORDER CODE*
STF 2 - 16.021.0

Staffe e ghiera di fissaggio

Mounting brackets and ring

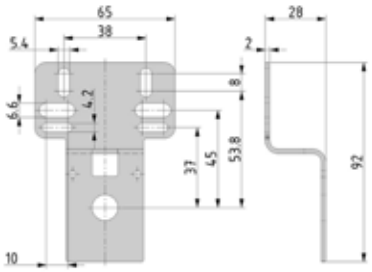
ATTACCHI *PORTS*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**M**
G1/4" MINI	**16.044.0**	M30x1.5
G1/4"- G3/8"	**16.030.0**	M36x1.5
G1/2"	**16.329.0**	M42x1.5





ATTACCHI *PORTS*	**CODICE DI ORDINAZIONE** *ORDER CODE*
G1/4" MINI	**STF 2MK** 16.297.0

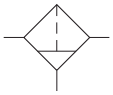
ATTACCHI *PORTS*	**CODICE DI ORDINAZIONE** *ORDER CODE*
G1/4" MINI	**STF 2MPK** 16.253.0

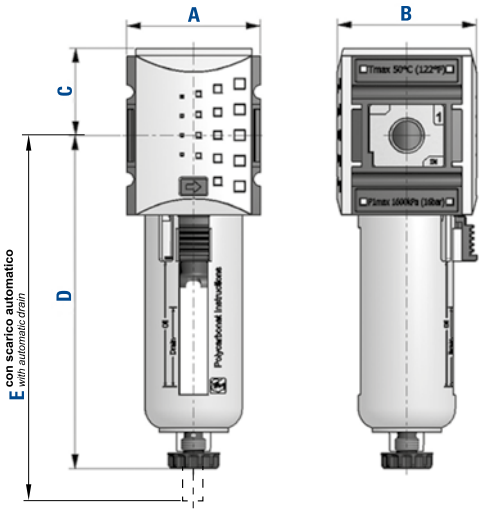


Filtro separatore

Filter-water-separator

- Sistema ciclonico ed elemento filtrante
  Cyclone system and filter element
- Grado di filtrazione: 95%
  Moisture separation: 95%
- Installazione verticale
  Vertical installation
- Protezione della tazza di serie
  Bowl protection already mounted





Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza interna: policarbonato
Protezione tazza: poliammide

Materials

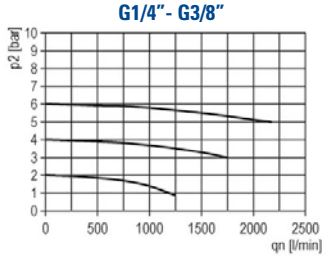
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel
Internal bowl: polycarbonate
Bowl protection: polyamide

La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

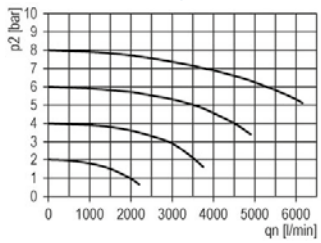
Attacchi *[Ports]*			**G1/4"**	**G3/8"**	**G1/2"**	**G1"**
Temperatura di esercizio °C *Temperature range °C*			0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*			0.25 kg	0.25 kg	0.4 kg	0.6 kg
Pressione di esercizio *Working pressure range*		p_{min} p_{max}	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	2000 l/min	2000 l/min	3500 l/min	7500 l/min
Elemento filtrante *Filter element*			5 µm	5 µm	5 µm	5 µm
CODICE DI ORDINAZIONE *ORDER CODE*	**scarico semiautomatico** *semi-automatic drain*		**FIL 2K-05-S** 16.302.0	**FIL 3K-05-S** 16.342.0	**FIL 4K-05-S** 16.322.0	**FIL 6K-05-S** 16.354.0
	scarico automatico *automatic drain*		**FIL 2K-05-A** 16.100.3	**FIL 3K-05-A** 16.101.3	**FIL 4K-05-A** 16.102.3	**FIL 6K-05-A** 16.356.0

Caratteristiche di portata - *Flow characteristics*

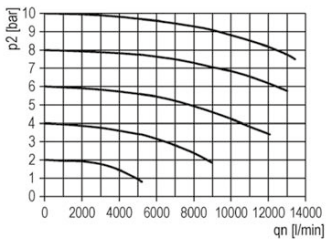
G1/4"- G3/8"



G1/2"



G1"



DIMENSIONI
DIMENSIONS

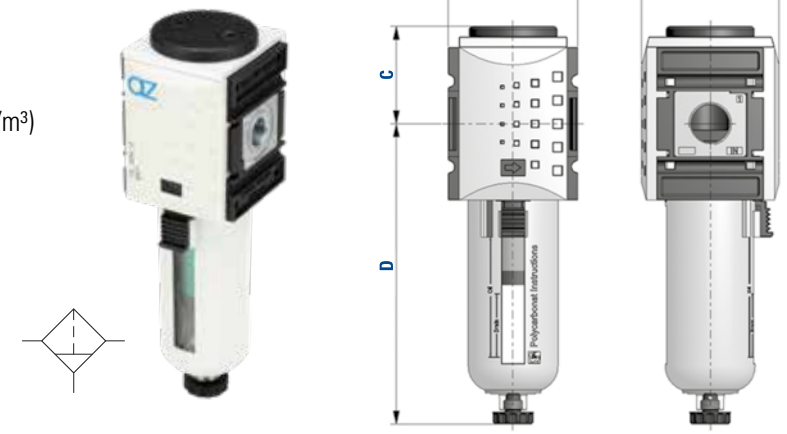
scarico semiautomatico *[semi-automatic drain]*						
SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**E**
FIL 2K-05-S	16.302.0	52	54	34	130	145
FIL 3K-05-S	16.342.0	52	54	34	130	145
FIL 4K-05-S	16.322.0	63	67	43	147	162
FIL 6K-05-S	16.354.0	85	93	58	189	-

scarico automatico *[automatic drain]*						
SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**E**
FIL 2K-05-A	16.100.3	52	54	34	130	145
FIL 3K-05-A	16.101.3	52	54	34	130	145
FIL 4K-05-A	16.102.3	63	67	43	147	162
FIL 6K-05-A	16.356.0	85	93	58	189	-

Microfiltro-depuratore

Sub-micro-filter

- Elementi filtranti a coalescenza ad alte prestazioni
  Special filter elements with high performances
- Grado di filtrazione: 99.999%
  Degree of filtration: 99.999%
- Olio residuo: 0.01 mg/m³ (concentrazione in ingresso: 3 mg/m³)
  Residual oil: 0.01 mg/m³ (input concentration: 3 mg/m³)
- Installazione verticale
  Vertical installation
- Protezione della tazza di serie
  Bowl protection already mounted



Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza interna: policarbonato
Protezione tazza: poliammide

Materials

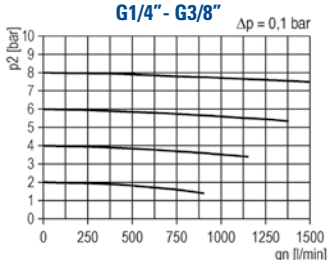
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel
Internal bowl: polycarbonate
Bowl protection: polyamide

La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

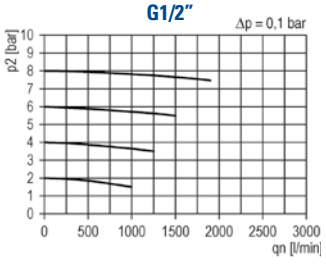
Attacchi *[Ports]*		**G1/4"**	**G3/8"**	**G1/2"**	**G1"**
Temperatura di esercizio °C *[Temperature range °C]*		0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*		0.29 kg	0.29 kg	0.44 kg	0.67 kg
Pressione di esercizio *Working pressure range*	p_{min} p_{max}	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar
Portata nominale p = 6 bar a 25 m/s *Nominal flow* *p = 6 bar at 25 m/s*	Q_{max}	350 l/min	350 l/min	1070 l/min	3850 l/min
Caduta di pressione a filtro nuovo *Pressure drop with new filter element*		0.1 bar	0.1 bar	0.1 bar	0.1 bar
Caduta di pressione a filtro saturo *Pressure drop with saturated filter element*		0.3 bar	0.3 bar	0.3 bar	0.3 bar
CODICE DI ORDINAZIONE *ORDER CODE*		**MFIL 2K-S** 16.306.0	**MFIL 3K-S** 16.346.0	**MFIL 4K-S** 16.326.0	**MFIL 6K-S** 16.367.0

Caratteristiche di portata
Flow characteristics

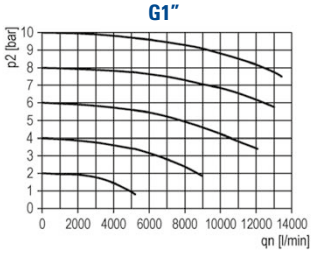
G1/4" - G3/8"



G1/2"



G1"



SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**
MFIL 2K-S	16.306.0	52	54	39	130
MFIL 3K-S	16.346.0	52	54	39	130
MFIL 4K-S	16.326.0	63	67	48	147
MFIL 6K-S	16.367.0	85	93	58	189

DIMENSIONI
DIMENSIONS

Procedura per l'installazione *[Installation procedure]*

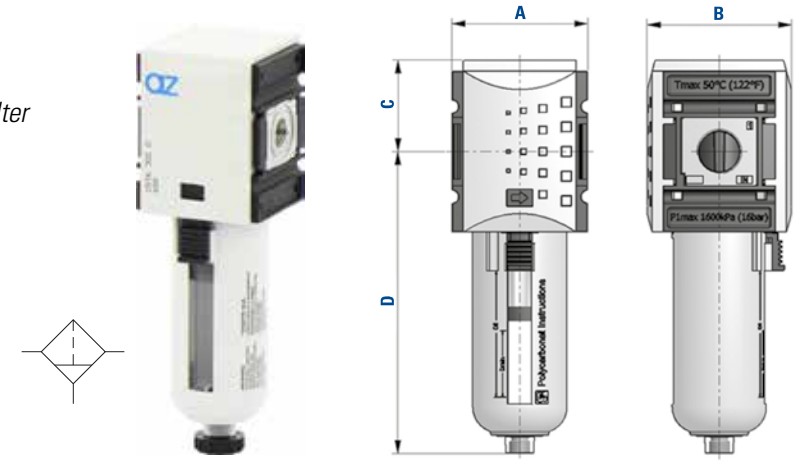
Per aumentare la durata degli elementi filtranti, si consiglia l'installazione nel seguente ordine: filtro separatore, microfiltro.

To increase the life span of the filter elements, we recommend the installation in the following order: filter-water-separator, sub-micro-filter.

Filtro a carbone attivo

Activated carbon filter

- Elementi filtranti speciali a carbone attivo
  Activated carbon filter elements
- Olio residuo: 0.003 p.p.m. in combinazione con microfiltro
  Residual oil: 0.003 p.p.m. in combination with sub-micro-filter
- Installazione verticale
  Vertical installation
- Protezione della tazza di serie
  Bowl protection already mounted



Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza interna: policarbonato
Protezione tazza: poliammide

Materials

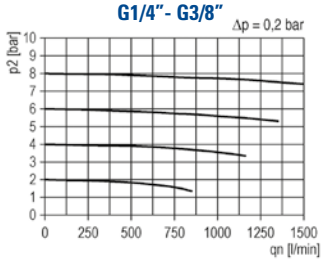
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel
Internal bowl: polycarbonate
Bowl protection: polyamide

La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

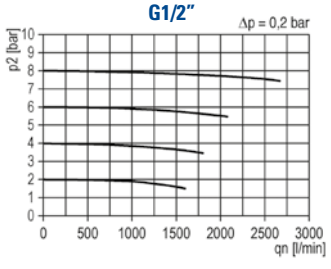
Attacchi *[Ports]*		**G1/4"**	**G3/8"**	**G1/2"**	**G1"**
Temperatura di esercizio °C *[Temperature range °C]*		0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*		0.26 kg	0.26 kg	0.42 kg	0.79 kg
Pressione di esercizio *Working pressure range*	p_{min} p_{max}	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar
Portata nominale p = 6 bar a 25 m/s *Nominal flow* *p = 6 bar at 25 m/s*	Q_{max}	500 l/min	500 l/min	1070 l/min	3850 l/min
Caduta di pressione a filtro nuovo *Pressure drop with new filter element*		0.1 bar	0.1 bar	0.1 bar	0.1 bar
Caduta di pressione a filtro saturo *Pressure drop with saturated filter element*		0.3 bar	0.3 bar	0.3 bar	0.3 bar
CODICE DI ORDINAZIONE *ORDER CODE*		**CFIL 2K-S** 16.307.0	**CFIL 3K-S** 16.347.0	**CFIL 4K-S** 16.327.0	**CFIL 6K-S** 16.368.0

Caratteristiche di portata
Flow characteristics

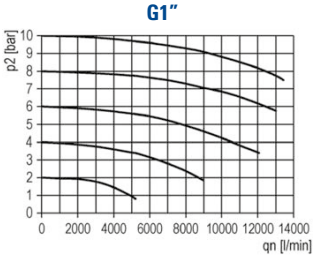
G1/4"- G3/8"



G1/2"



G1"



SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**
CFIL 2K-S	16.307.0	52	54	34	123
CFIL 3K-S	16.347.0	52	54	34	123
CFIL 4K-S	16.327.0	63	67	43	141
CFIL 6K-S	16.368.0	85	93	58	189

DIMENSIONI
DIMENSIONS

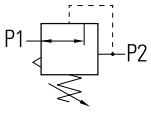
Procedura per l'installazione *[Installation procedure]*
Per aumentare la durata degli elementi filtranti, si consiglia l'installazione nel seguente ordine: filtro separatore, microfiltro.

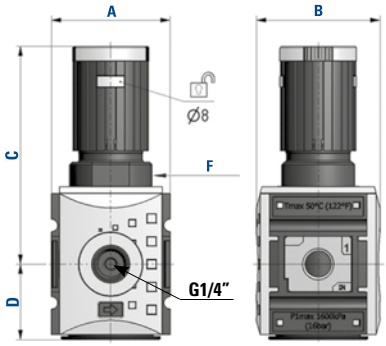
To increase the life span of the filter elements, we recommend the installation in the following order: filter-water-separator, sub-micro-filter.

Regolatore di pressione

Pressure regulator

- Regolatore a membrana con valvola di scarico sovrapressione (relieving)
  Diaphragm-type pressure regulator with relieving
- Autocompensazione durante la regolazione
  Self-compensated regulation
- Installazione in linea o a pannello
  In-line or panel mounting





Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

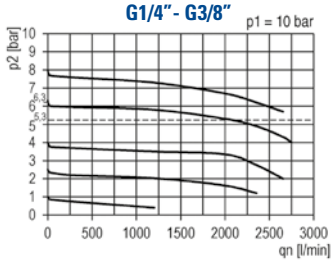
Materials

Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

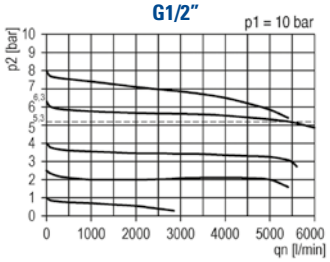
Attacchi *[Ports]*			**G1/4"**	**G3/8"**	**G1/2"**	**G1"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*			0.3 kg	0.3 kg	0.5 kg	0.75 kg
Pressione di alimentazione *Inlet pressure range*		$p_{1\,min}$ $p_{1\,max}$	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar
Pressione di utilizzo *Outlet pressure range*		$p_{2\,min}$ $p_{2\,max}$	0.5 bar 8 bar	0.5 bar 8 bar	0.5 bar 8 bar	0.5 bar 8 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	2200 l/min	2200 l/min	5100 l/min	14000 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**REG 2K-08** 16.301.0	**REG 3K-08** 16.341.0	**REG 4K-08** 16.321.0	**REG 6K-08** 16.359.0

Caratteristiche di portata
Flow characteristics

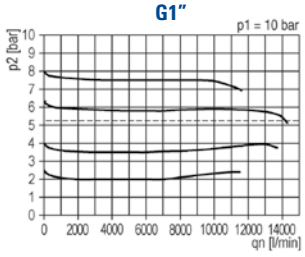
G1/4"- G3/8"



G1/2"

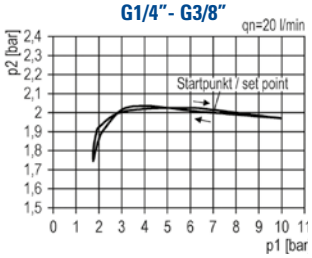


G1"

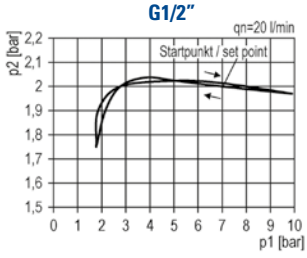


Isteresi
Hysteresis

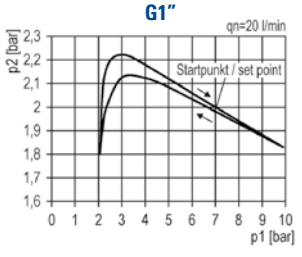
G1/4"- G3/8"



G1/2"



G1"



SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**F**
REG 2K-08	16.301.0	52	54	96	33	M36x1.5
REG 3K-08	16.341.0	52	54	96	33	M36x1.5
REG 4K-08	16.321.0	63	67	110	40	M42x1.5
REG 6K-08	16.359.0	85	93	137	54	M50x1.5

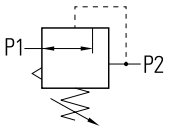
DIMENSIONI
DIMENSIONS

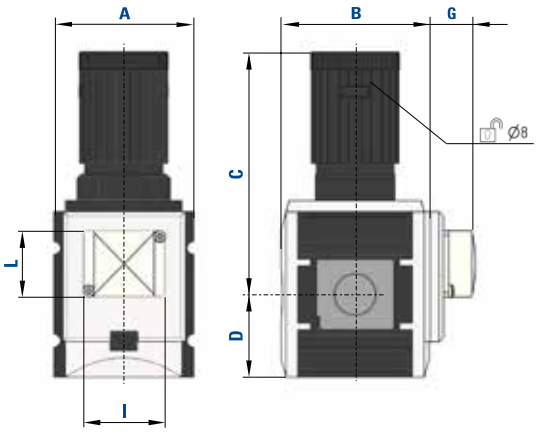
La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

Regolatore di pressione *con manometro incorporato*

Pressure regulator with embedded manometer

- Regolatore a membrana con valvola di scarico sovrapressione (relieving)
  Diaphragm-type pressure regulator with relieving
- Autocompensazione durante la regolazione
  Self-compensated regulation
- Installazione in linea o a pannello
  In-line or panel mounting





Materiali

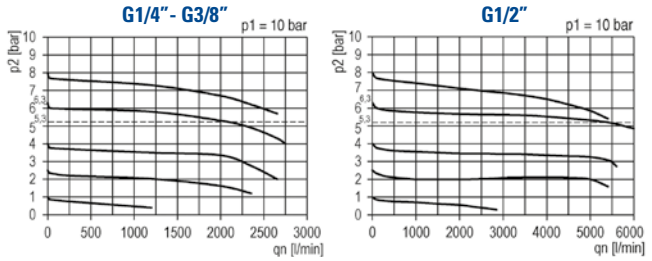
Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

Materials

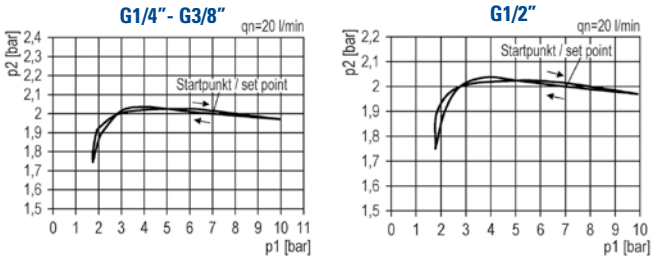
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

Attacchi *[Ports]*			**G1/4"**	**G3/8"**	**G1/2"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*			0.3 kg	0.3 kg	0.5 kg
Pressione di alimentazione *Inlet pressure range*		$p_{1\,min}$ $p_{1\,max}$	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar
Pressione di utilizzo *Outlet pressure range*		$p_{2\,min}$ $p_{2\,max}$	0.5 bar 8 bar	0.5 bar 8 bar	0.5 bar 8 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	2200 l/min	2200 l/min	5100 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**REG 2PTK-08** 16.301.3	**REG 3PTK-08** 16.341.3	**REG 4PTK-08** 16.321.3

Caratteristiche di portata
Flow characteristics



Isteresi
Hysteresis



SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**L**	**I**	**G**
REG 2PTK-08	16.301.3	52	54	96	31	30	37	17
REG 3PTK-08	16.341.3	52	54	96	31	30	37	17
REG 4PTK-08	16.321.3	63	67	110	37.5	30	37	19.5

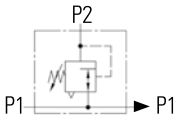
DIMENSIONI
DIMENSIONS

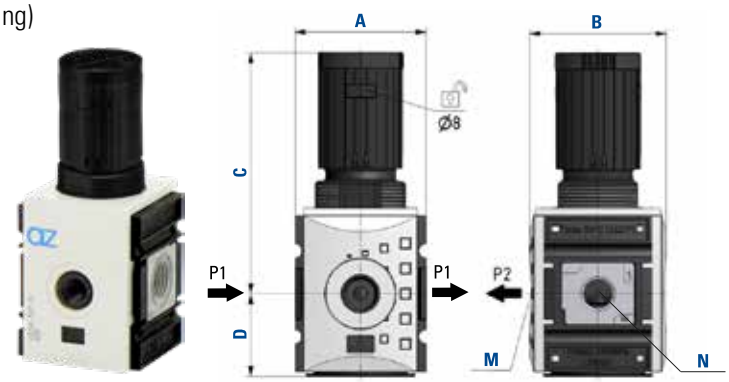
La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

Regolatore di pressione P1 passante

Pass-through P1 pressure regulator

- Regolatore a membrana con valvola di scarico sovrapressione (relieving)
  Diaphragm-type pressure regulator with relieving
- Autocompensazione durante la regolazione
  Self-compensated regulation
- Installazione in linea o a pannello
  In-line or panel mounting





Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

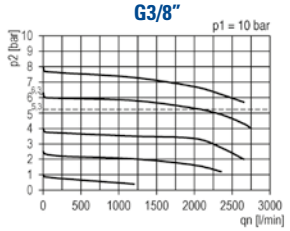
Materials

Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

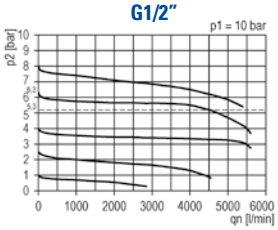
Attacchi *[Ports]*			**G3/8"**	**G1/2"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C	0 ... +50°C
Peso *[Weight]*			0.28 kg	0.49 kg
Pressione di alimentazione *Inlet pressure range*		$p_{1\ min}$ $p_{1\ max}$	1.5 bar 16 bar	1.5 bar 16 bar
Pressione di utilizzo *Outlet pressure range*		$p_{2\ min}$ $p_{2\ max}$	0.5 bar 8 bar	0.5 bar 8 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	2000 l/min	4500 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**REG 3TK-08** 16.262.0	**REG 4TK-08** 16.263.0

Caratteristiche di portata
Flow characteristics

G3/8"

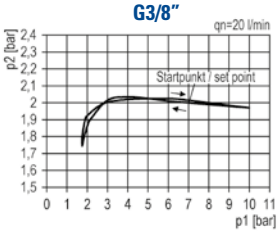


G1/2"

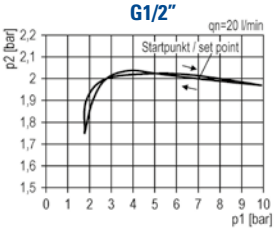


Isteresi
Hysteresis

G3/8"



G1/2"



SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**M**	**N**
REG 3TK-08	16.262.0	52	54	96	33	G1/4"	G3/8"
REG 4TK-08	16.263.0	63	67	110	40	G3/8"	G1/2"

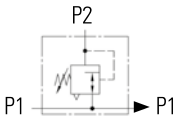
DIMENSIONI
DIMENSIONS

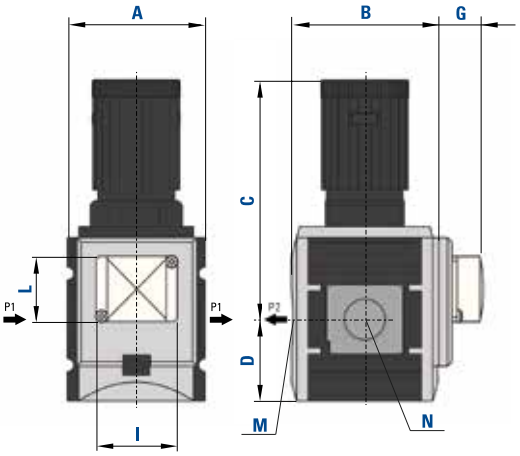
La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

Regolatore di pressione P1 passante *con manometro incorporato*

Pass-through P1 pressure regulator with embedded manometer

- Regolatore a membrana con valvola di scarico sovrapressione (relieving)
  Diaphragm-type pressure regulator with relieving
- Autocompensazione durante la regolazione
  Self-compensated regulation
- Installazione in linea o a pannello
  In-line or panel mounting





Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

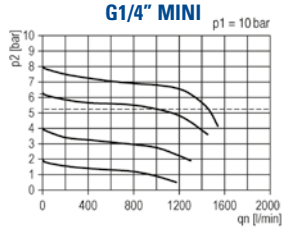
Materials

Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

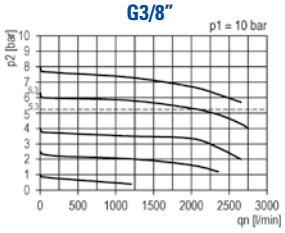
Attacchi *[Ports]*			**G1/4" MINI**	**G3/8"**	**G1/2"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*			0.165 kg	0.28 kg	0.49 kg
Pressione di alimentazione *Inlet pressure range*		$p_{1\,min}$ $p_{1\,max}$	1.5 bar 12 bar	1.5 bar 16 bar	1.5 bar 16 bar
Pressione di utilizzo *Outlet pressure range*		$p_{2\,min}$ $p_{2\,max}$	0.5 bar 8 bar	0.5 bar 8 bar	0.5 bar 8 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	1000 l/min	2000 l/min	4500 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**REG 2MTTK-08** 16.264.0	**REG 3TTK-08** 16.110.3	**REG 4TTK-08** 16.116.4

Caratteristiche di portata - *Flow characteristics*

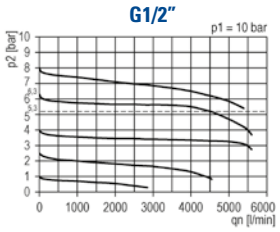
G1/4" MINI



G3/8"

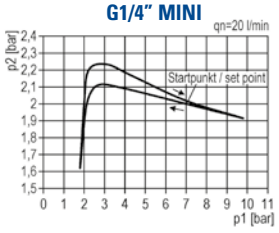


G1/2"

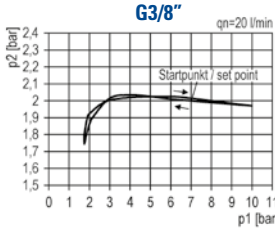


Isteresi - *Hysteresis*

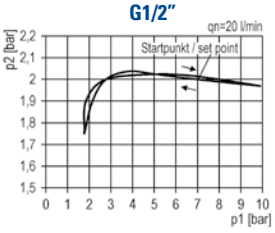
G1/4" MINI



G3/8"



G1/2"



SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**M**	**N**	**G**
REG 2MTTK-08	16.264.0	43	48	68	25	G1/4"	G1/4"	12
REG 3TTK-08	16.110.3	63	67	110	40	G3/8"	G1/4"	19.5
REG 4TTK-08	16.116.4	52	54	96	33	G1/2"	G3/8"	17

La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

DIMENSIONI
DIMENSIONS

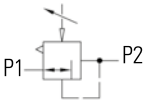
G1/4"

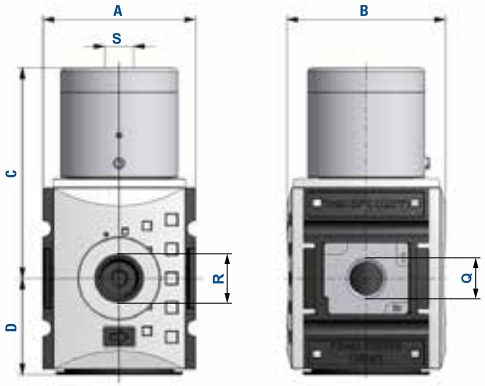
G3/8" - G1/2"

Regolatore pilotato

Piloted pressure regulator

- Regolatore a membrana con valvola di scarico sovrapressione (relieving)
  Diaphragm-type pressure regulator with relieving
- Fluido: aria compressa, gas neutri
  Medium: compressed air, neutral gases

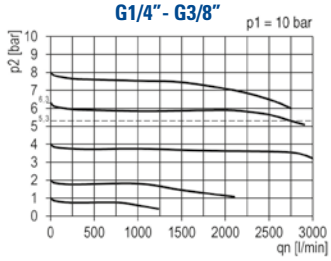




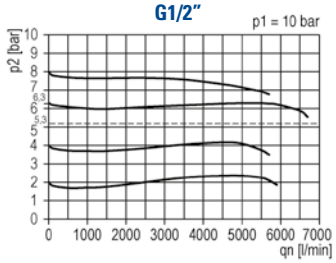
Attacchi *[Ports]*		**G1/4"**	**G3/8"**	**G1/2"**	**G1"**
Temperatura di esercizio °C *[Temperature range °C]*		-10°C ... +50°C	-10°C ... +50°C	-10°C ... +50°C	-10°C ... +50°C
Peso *[Weight]*		0.315 kg	0.30 kg	0.578 kg	1.006 kg
Pressione di alimentazione *Inlet pressure range*	p_{min} p_{max}	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar
Pressione di utilizzo *Outlet pressure range*	$p_{2\,min}$ $p_{2\,max}$	0.5 bar 8 bar	0.5 bar 8 bar	0.5 bar 8 bar	0.5 bar 8 bar
Portata nominale p = 6.3 bar; Δp = 1 bar *Nominal flow*	Q_{max}	2700 l/min	2700 l/min	6570 l/min	14600 l/min
CODICE DI ORDINAZIONE *ORDER CODE*		**REGP 2K-08** 16.257.0	**REGP 3K-08** 16.258.0	**REGP 4K-08** 16.259.0	**REGP 6K-08** 16.353.0

Caratteristiche di portata
Flow characteristics

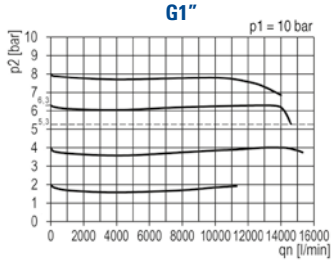
G1/4" - G3/8"



G1/2"

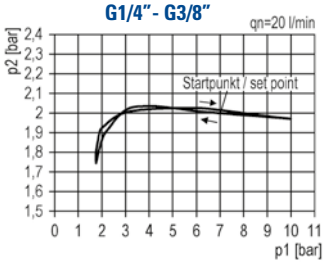


G1"

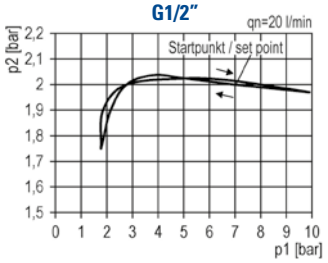


Isteresi
Hysteresis

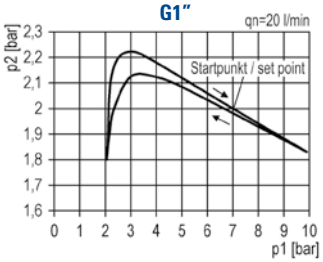
G1/4" - G3/8"



G1/2"



G1"



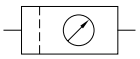
SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**R**	**Q**	**S**
REGP 2K-08	16.257.0	52	54	72	33	G1/4"	G1/4"	G1/8"
REGP 3K-08	16.258.0	52	54	72	33	G1/4"	G3/8"	G1/8"
REGP 4K-08	16.259.0	63	67	82	40	G1/4"	G1/2"	G1/4"
REGP 6K-08	16.353.0	85	93	91	54	G1/4"	G1"	G1/4"

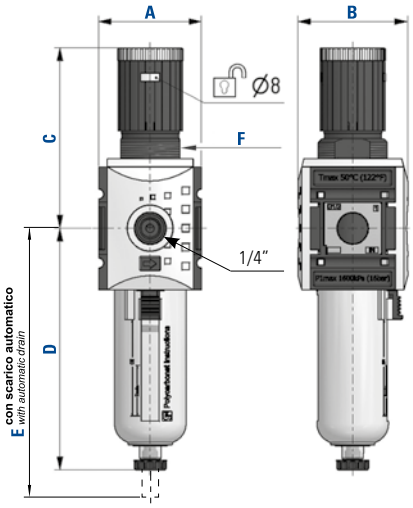
DIMENSIONI
DIMENSIONS

Filtroregolatore

Filter-regulator

- Regolatore a membrana con valvola di scarico sovrapressione (relieving); filtro 5 µm
  Diaphragm-type pressure regulator with relieving; filter 5 µm
- Protezione della tazza di serie
  Bowl protection already mounted
- Installazione in linea o a pannello
  In-line or panel mounting





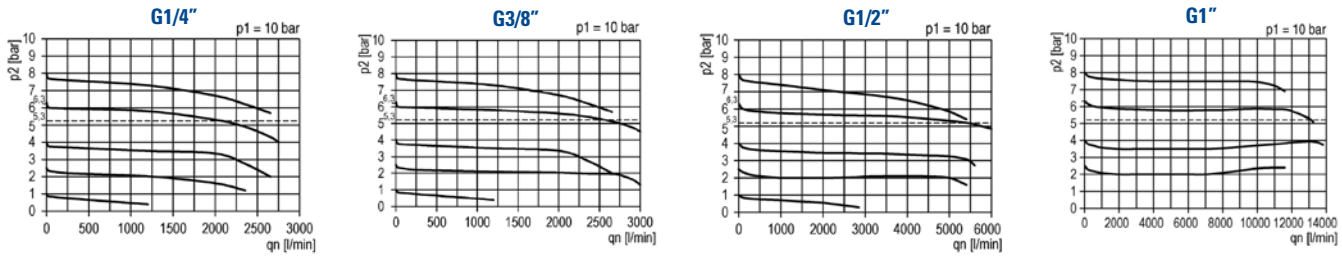
Materiali
Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza interna: policarbonato
Protezione tazza: poliammide

Materials
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel
Internal bowl: polycarbonate
Bowl protection: polyamide

La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

Attacchi *[Ports]*			**G1/4"**	**G3/8"**	**G1/2"**	**G1"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*			0.37 kg	0.37 kg	0.56 kg	0.98 kg
Pressione di alimentazione *Inlet pressure range*		p_{min} p_{max}	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar
Pressione di utilizzo *Outlet pressure range*		$p_{2\,min}$ $p_{2\,max}$	0.5 bar 8 bar	0.5 bar 8 bar	0.5 bar 8 bar	0.5 bar 8 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	2200 l/min	2600 l/min	5100 l/min	13000 l/min
CODICE DI ORDINAZIONE *ORDER CODE*	**scarico semiautomatico** *semi-automatic drain*		**FR 2K-08-05-S** 16.304.0	**FR 3K-08-05-S** 16.344.0	**FR 4K-08-05-S** 16.324.0	**FR 6K-08-05-S** 16.363.0
	scarico automatico *automatic drain*		**FR 2K-08-05-A** 16.103.3	**FR 3K-08-05-A** 16.104.3	**FR 4K-08-05-A** 16.105.3	**FR 6K-08-05-A** 16.364.0

Caratteristiche di portata
Flow characteristics



DIMENSIONI
DIMENSIONS

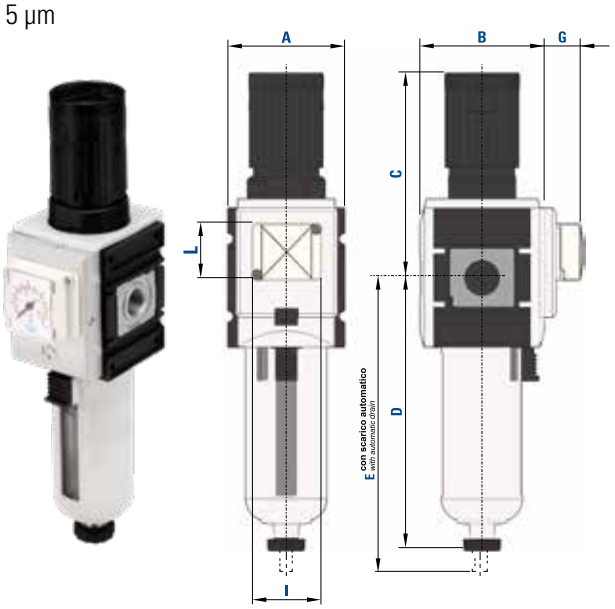
scarico semiautomatico *[semi-automatic drain]*						
SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**F**
FR 2K-08-05-S	16.304.0	52	54	96	130	M36x1.5
FR 3K-08-05-S	16.344.0	52	54	96	130	M36x1.5
FR 4K-08-05-S	16.324.0	63	67	110	147	M42x1.5
FR 6K-08-05-S	16.363.0	85	93	137	189	M50x1.5

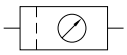
scarico automatico *[automatic drain]*							
SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**E**	**F**
FR 2K-08-05-A	16.103.3	52	54	96	130	145	M36x1.5
FR 3K-08-05-A	16.104.3	52	54	96	130	145	M36x1.5
FR 4K-08-05-A	16.105.3	63	67	110	147	162	M42x1.5
FR 6K-08-05-A	16.364.0	85	93	137	189	-	M50x1.5

Filtroregolatore con manometro incorporato

Filter-regulator with embedded manometer

- Regolatore a membrana con valvola di scarico sovrapressione (relieving); filtro 5 µm
  Diaphragm-type pressure regulator with relieving; filter 5 µm
- Protezione della tazza di serie
  Bowl protection already mounted
- Installazione in linea o a pannello
  In-line or panel mounting





Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza interna: policarbonato
Protezione tazza: poliammide

Materials

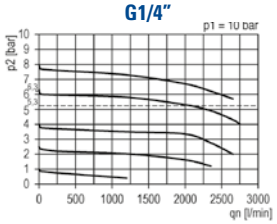
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel
Internal bowl: polycarbonate
Bowl protection: polyamide

La staffa e la ghiera di fissaggio devono essere acquistate separatamente.
Mounting bracket and ring are bought separately.

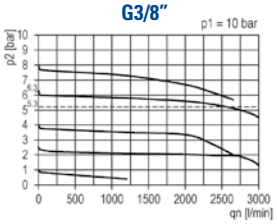
Attacchi *[Ports]*			**G1/4"**	**G3/8"**	**G1/2"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*			0.37 kg	0.37 kg	0.56 kg
Pressione di alimentazione *Inlet pressure range*		p_{min} p_{max}	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar
Pressione di utilizzo *Outlet pressure range*		$p_{2\,min}$ $p_{2\,max}$	0.5 bar 8 bar	0.5 bar 8 bar	0.5 bar 8 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	2200 l/min	2600 l/min	5100 l/min
CODICE DI ORDINAZIONE *ORDER CODE*	**scarico semiautomatico** *semi-automatic drain*		**FR 2TK-08-05-S** 16.304.3	**FR 3TK-08-05-S** 16.344.3	**FR 4TK-08-05-S** 16.324.3
	scarico automatico *automatic drain*		**FR 2TK-08-05-A** 16.304.4	**FR 3TK-08-05-A** 16.344.4	**FR 4TK-08-05-A** 16.324.4

Caratteristiche di portata
Flow characteristics

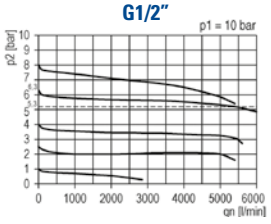
G1/4"



G3/8"

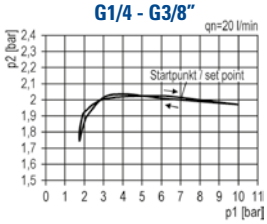


G1/2"

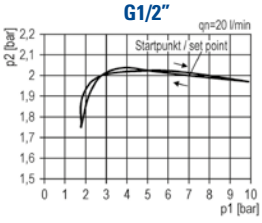


Isteresi
Hysteresis

G1/4 - G3/8"



G1/2"



DIMENSIONI
DIMENSIONS

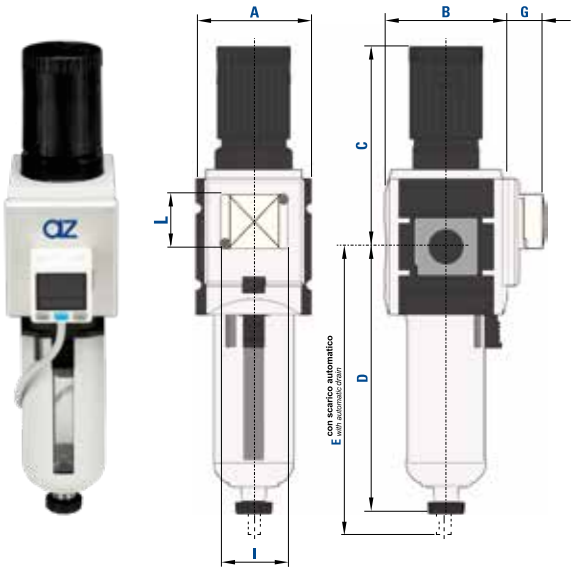
scarico semiautomatico *[semi-automatic drain]*								
SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**L**	**I**	**G**
FR 2TK-08-05-S	16.304.3	52	54	96	130	30	37	17
FR 3TK-08-05-S	16.344.3	52	54	96	130	30	37	17
FR 4TK-08-05-S	16.324.3	63	67	110	147	30	37	19.5

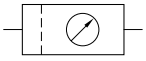
scarico automatico *[automatic drain]*									
SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**E**	**L**	**I**	**G**
FR 2TK-08-05-A	16.304.4	52	54	96	130	145	30	37	17
FR 3TK-08-05-A	16.344.4	52	54	96	130	145	30	37	17
FR 4TK-08-05-A	16.324.4	63	67	110	147	162	30	37	19.5

Filtroregolatore con manometro digitale incorporato

Filter-regulator with embedded digital manometer

- Regolatore a membrana con valvola di scarico sovrapressione (relieving); filtro 5 µm
  Diaphragm-type pressure regulator with relieving; filter 5 µm
- Protezione della tazza di serie
  Bowl protection already mounted
- Installazione in linea o a pannello
  In-line or panel mounting

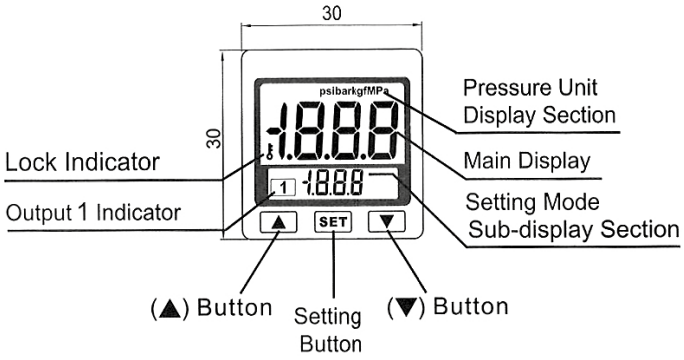




Materiali
Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza interna: policarbonato
Protezione tazza: poliammide

Materials
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel
Internal bowl: polycarbonate
Bowl protection: polyamide

La staffa e la ghiera di fissaggio devono essere acquistate separatamente.
Mounting bracket and ring are bought separately.



- Visualizzazione delle impostazioni
  Visualization of settings
- Impostazione semplice in 3 fasi
  Simple 3-step setting
- È possibile cambiare facilmente la schermata durante il controllo del valore misurato
  Easy screen switching setting is possible while checking the measured value
- Tempo di ritardo: 1.5 ms
  Delay time: 1.5 ms
- Consumo di corrente: 25 mA
  Current consumption: 25 mA

Attacchi *[Ports]*			**G1/4"**	**G3/8"**	**G1/2"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*			0.37 kg	0.37 kg	0.56 kg
Pressione di alimentazione *Inlet pressure range*		p_{min} p_{max}	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar
Pressione di utilizzo *Outlet pressure range*		$p_{2\,min}$ $p_{2\,max}$	0.5 bar 8 bar	0.5 bar 8 bar	0.5 bar 8 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	2200 l/min	2600 l/min	5100 l/min
CODICE DI ORDINAZIONE *ORDER CODE*	**scarico semiautomatico** *semi-automatic drain*		**FR 2DK-08-05-S** 16.305.3	**FR 3DK-08-05-S** 16.315.3	**FR 4DK-08-05-S** 16.325.3
	scarico automatico *automatic drain*		**FR 2DK-08-05-A** 16.305.4	**FR 3DK-08-05-A** 16.315.4	**FR 4DK-08-05-A** 16.325.4

DIMENSIONI - *DIMENSIONS*

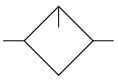
scarico semiautomatico *[semi-automatic drain]*								
SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**L**	**I**	**G**
FR 2DK-08-05-S	16.305.3	52	54	96	130	30	37	33
FR 3DK-08-05-S	16.315.3	52	54	96	130	30	37	33
FR 4DK-08-05-S	16.325.3	63	67	110	147	30	37	33

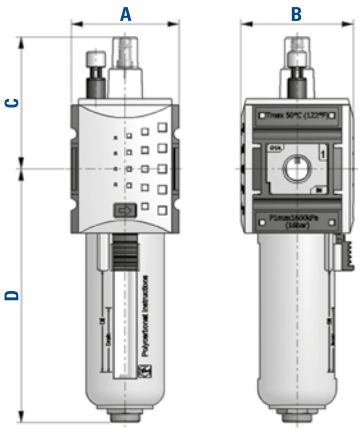
scarico automatico *[automatic drain]*									
SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**E**	**L**	**I**	**G**
FR 2DK-08-05-A	16.305.4	52	54	96	130	145	30	37	33
FR 3DK-08-05-A	16.315.4	52	54	96	130	145	30	37	33
FR 4DK-08-05-A	16.325.4	63	67	110	147	162	30	37	33

Lubrificatore

Lubricator

- Lubrificatore ad olio con tecnologia di tipo venturi e compensazione del flusso
  Oil lubricator with venturi type technology and flow compensation
- Permette il riempimento sotto pressione
  Allows refilling under pressure
- Installazione verticale; protezione della tazza di serie
  Vertical installation; bowl protection as standard
- Tipo di olio consigliato: VG32 - ISO3448
  Recommended oil type: VG32 - ISO3448





Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza interna: policarbonato
Protezione tazza: poliammide

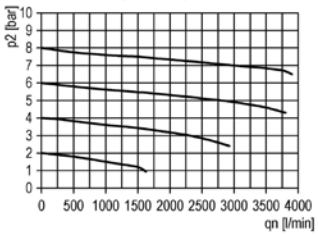
Materials

Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel
Internal bowl: polycarbonate
Bowl protection: polyamide

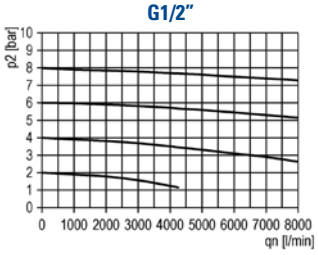
Attacchi *[Ports]*		**G1/4"**	**G3/8"**	**G1/2"**	**G1"**
Temperatura di esercizio °C *[Temperature range °C]*		0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*		0.28 kg	0.28 kg	0.42 kg	0.79 kg
Pressione di esercizio *Working pressure range*	p_{min} p_{max}	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar
Portata nominale *Nominal flow* p = 6.3 bar; Δp = 1 bar	Q_{max}	2800 l/min	2800 l/min	8000 l/min	14000 l/min
CODICE DI ORDINAZIONE *ORDER CODE*		**LUB 2K-00** 16.303.0	**LUB 3K-00** 16.343.0	**LUB 4K-00** 16.323.0	**LUB 6K-00** 16.360.0

Caratteristiche di portata
Flow characteristics

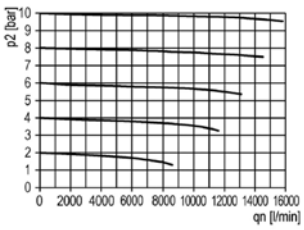
G1/4"- G3/8"



G1/2"

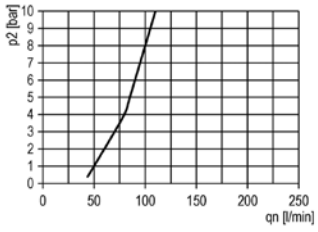


G1"

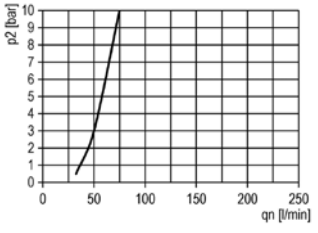


Rapporto olio/aria
Oil/air ratio

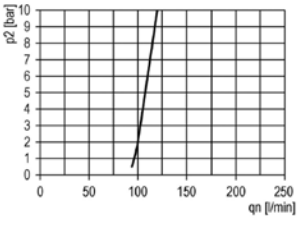
G1/4"- G3/8"



G1/2"



G1"



SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**
LUB 2K-00	16.303.0	52	54	64	122
LUB 3K-00	16.343.0	52	54	64	122
LUB 4K-00	16.323.0	63	67	70	140
LUB 6K-00	16.360.0	85	93	88	183

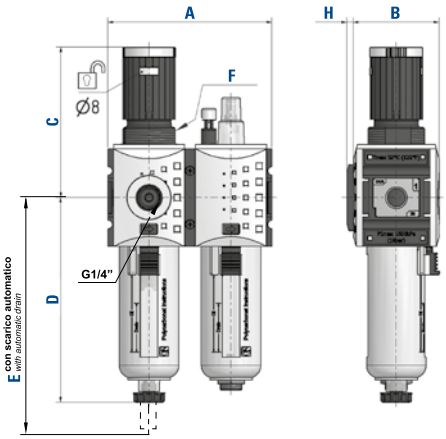
DIMENSIONI
DIMENSIONS

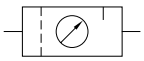
La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

Filtroregolatore + lubrificatore (gruppo trattamento aria FR+L)

Filter regulator+lubricator (FR+L air preparation unit)

- Regolatore a membrana con valvola di scarico sovrapressione (relieving); filtro 5 µm; grado di filtrazione: 95%
  Diaphragm-type pressure regulator with relieving; filter 5 µm; degree of filtration: 95%
- Protezione della tazza di serie per G1/4", G3/8", G1/2"
  Bowl protection already mounted
- Versione Mini: la tazza è disponibile solo in policarbonato trasparente
  Mini version: the bowl is available only in trasparent polycarbonate





Materiali

Corpo: tecnopolimero con inserti in alluminio per versione G1/4", G3/8", G1/2". Per versione Mini tutto in tecnopolimero filetti inclusi
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza interna: policarbonato
Protezione tazza: poliammide

Materials

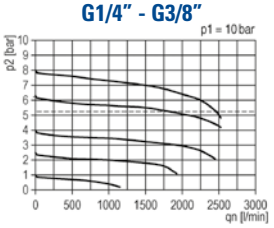
Body: technopolymer with aluminium inserts for version G1/4", G3/8", G1/2". For Mini version all in technopolymer including threads
Seals: NBR
Internal parts: brass and stainless steel
Internal bowl: polycarbonate
Bowl protection: polyamide

La staffa e la ghiera di fissaggio devono essere acquistate separatamente.
Mounting bracket and ring are bought separately.

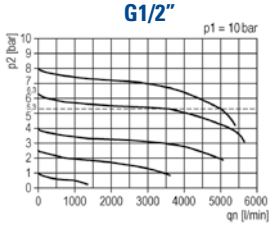
Attacchi *[Ports]*			**G1/4"**	**G3/8"**	**G1/2"**	**G1"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*			0.68 kg	0.68 kg	1.06 kg	1.85 kg
Pressione di alimentazione *Inlet pressure range*		p_{min} p_{max}	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar
Pressione di utilizzo *Outlet pressure range*		$p_{2\,min}$ $p_{2\,max}$	0.5 bar 8 bar	0.5 bar 8 bar	0.5 bar 8 bar	0.5 bar 8 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	1800 l/min	1800 l/min	3500 l/min	12000 l/min
CODICE DI ORDINAZIONE *ORDER CODE*	**scarico semiautomatico** *semi-automatic drain*		**FR+L 2K-08-05-S** 16.305.0	**FR+L 3K-08-05-S** 16.345.0	**FR+L 4K-08-05-S** 16.325.0	**FR+L 6K-08-05-S** 16.365.0
	scarico automatico *automatic drain*		**FR+L 2K-08-05-A** 16.106.3	**FR+L 3K-08-05-A** 16.107.3	**FR+L 4K-08-05-A** 16.108.3	**FR+L 6K-08-05-A** 16.366.0

Caratteristiche di portata
Flow characteristics

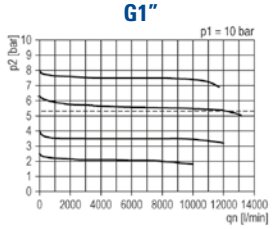
G1/4" - G3/8"



G1/2"

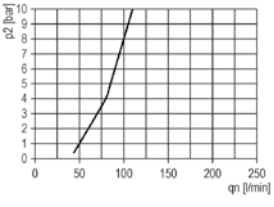


G1"

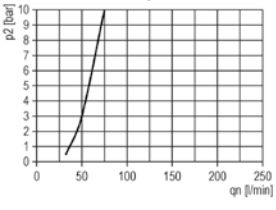


Rapporto olio/aria
Oil/air ratio

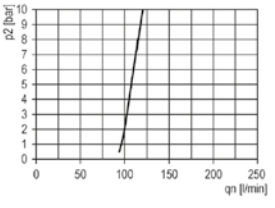
G1/4" - G3/8"



G1/2"



G1"



DIMENSIONI *DIMENSIONS*

scarico semiautomatico *[semi-automatic drain]*

SIGLA *TYPE*	CODICE DI ORDINAZIONE *ORDER CODE*	A	B	C	D	E	F	H
FR+L 2K-08-05-S	16.305.0	104	54	96	130	145	M36x1.5	4
FR+L 3K-08-05-S	16.345.0	104	54	96	130	145	M36x1.5	4
FR+L 4K-08-05-S	16.325.0	126	67	110	145	162	M42x1.5	5
FR+L 6K-08-05-S	16.365.0	170	93	137	189	-	M50x1.5	5

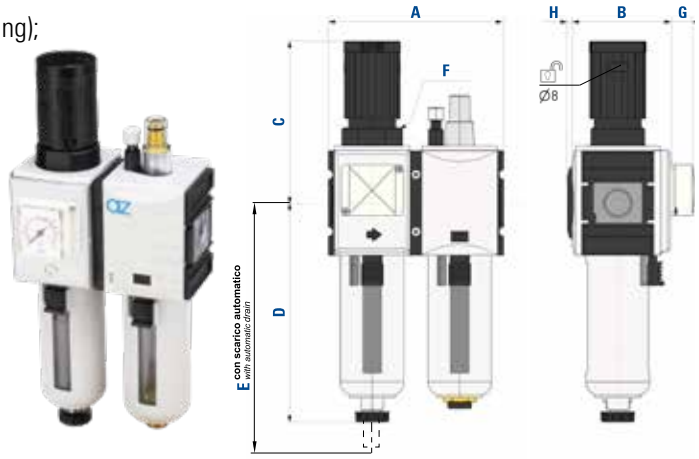
scarico automatico *[automatic drain]*

SIGLA *TYPE*	CODICE DI ORDINAZIONE *ORDER CODE*	A	B	C	D	E	F	H
FR+L 2K-08-05-A	16.106.3	104	54	96	130	145	M36x1.5	4
FR+L 3K-08-05-A	16.107.3	104	54	96	130	145	M36x1.5	4
FR+L 4K-08-05-A	16.108.3	126	67	110	145	162	M42x1.5	5
FR+L 6K-08-05-A	16.366.0	170	93	137	189	-	M50x1.5	5

Filtroregolatore + lubrificatore (gruppo trattamento aria FR+L) con manometro incorporato

Filter regulator + lubricator (FR+L air preparation unit) with embedded manometer

- Regolatore a membrana con valvola di scarico sovrapressione (relieving); filtro 5 µm; grado di filtrazione: 95%
  Diaphragm-type pressure regulator with relieving; filter 5 µm; degree of filtration: 95%
- Protezione della tazza di serie per G1/4", G3/8", G1/2"
  Bowl protection already mounted
- Versione Mini: la tazza è disponibile solo in policarbonato trasparente
  Mini version: the bowl is available only in trasparent polycarbonate



Materiali

Corpo: tecnopolimero con inserti in alluminio per versione G1/4", G3/8", G1/2". Per versione Mini tutto in tecnopolimero filetti inclusi
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza interna: policarbonato
Protezione tazza: poliammide

Materials

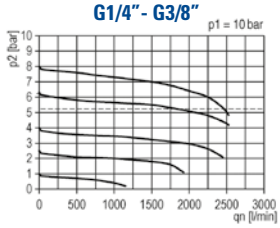
Body: technopolymer with aluminium inserts for version G1/4", G3/8", G1/2". For Mini version all in technopolymer including threads
Seals: NBR
Internal parts: brass and stainless steel
Internal bowl: polycarbonate
Bowl protection: polyamide

La staffa e la ghiera di fissaggio devono essere acquistate separatamente.
Mounting bracket and ring are bought separately.

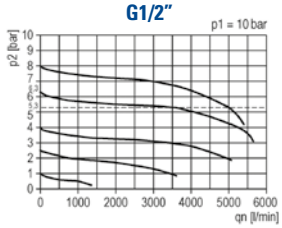
Attacchi *[Ports]*			**G1/4"**	**G3/8"**	**G1/2"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*			0.68 kg	0.68 kg	1.06 kg
Pressione di alimentazione *Inlet pressure range*		p_{min} p_{max}	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 16 bar
Pressione di utilizzo *Outlet pressure range*		$p_{2\,min}$ $p_{2\,max}$	0.5 bar 8 bar	0.5 bar 8 bar	0.5 bar 8 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	1800 l/min	1800 l/min	3500 l/min
CODICE DI ORDINAZIONE *ORDER CODE*	**scarico semiautomatico** *semi-automatic drain*		**FR+L 2TK-08-05-S** 16.121.4	**FR+L 3TK-08-05-S** 16.122.4	**FR+L 4TK-08-05-S** 16.123.4
	scarico automatico *automatic drain*		**FR+L 2TK-08-05-A** 16.132.4	**FR+L 3TK-08-05-A** 16.133.4	**FR+L 4TK-08-05-A** 16.134.4

Caratteristiche di portata
Flow characteristics

G1/4"- G3/8"

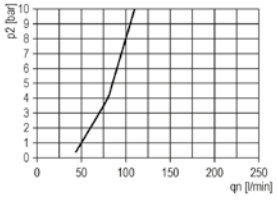


G1/2"

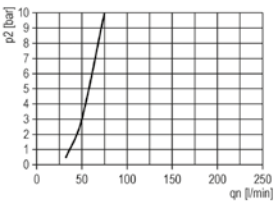


Rapporto olio/aria
Oil/air ratio

G1/4"- G3/8"



G1/2"



DIMENSIONI
DIMENSIONS

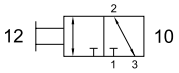
scarico semiautomatico *[semi-automatic drain]*									
SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**
FR+L 2TK-08-05-S	16.121.4	104	54	4	54	17	M36x1.5	130	96
FR+L 3TK-08-05-S	16.122.4	104	54	4	54	17	M36x1.5	130	96
FR+L 4TK-08-05-S	16.123.4	126	67	5	67	19.5	M42x1.5	147	110

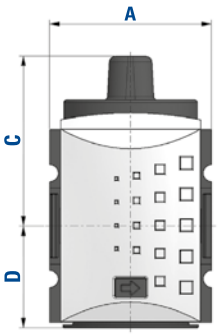
scarico automatico *[automatic drain]*									
SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**
FR+L 2TK-08-05-A	16.132.4	104	54	4	54	17	M36x1.5	130	96
FR+L 3TK-08-05-A	16.133.4	104	54	4	54	17	M36x1.5	130	96
FR+L 4TK-08-05-A	16.134.4	126	67	5	67	19.5	M42x1.5	147	110

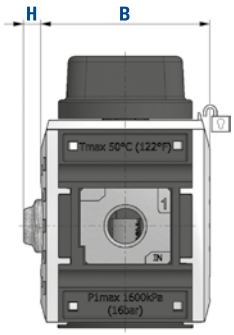
Valvola sezionamento circuito

Shut-off valve

- Elemento modulare ad alte prestazioni
  High performance modular element
- Elevata portata in scarico
  High exhaust flow rate
- Comando manuale; possibilità di chiusura a lucchetto
  Manual actuation; it can be secured with a padlock
- Installazione in qualsiasi posizione
  Installation in any position







Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

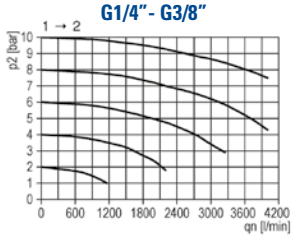
Materials

Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

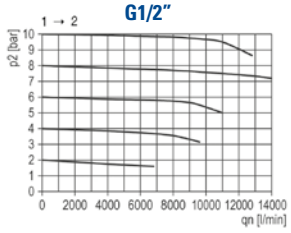
Attacchi *[Ports]*			**G1/4"**	**G3/8"**	**G1/2"**	**G1"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*			0.27 kg	0.27 kg	0.53 kg	0.86 kg
Pressione di esercizio *Working pressure range*		p_{min} p_{max}	0 bar 16 bar	0 bar 16 bar	0 bar 16 bar	0 bar 16 bar
Portata massima in entrata *Inlet maximum flow rate*	p = 6.3 bar; Δp = 1 bar	Q_{max}	1900 l/min	1900 l/min	11000 l/min	14000 l/min
Portata massima in scarico *Exhaust maximum flow rate*		Q_{max}	400 l/min	400 l/min	3000 l/min	400 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**SR-M2K** 16.308.0	**SR-M3K** 16.348.0	**SR-M4K** 16.328.0	**SR-M6K** 16.369.0

Portata in entrata
Inlet flow rate

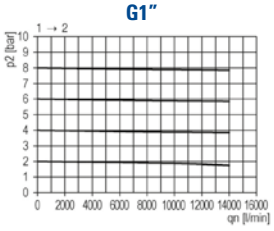
G1/4" - G3/8"



G1/2"

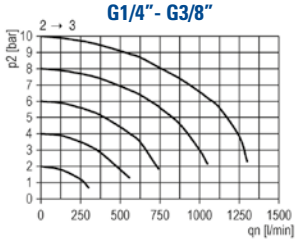


G1"

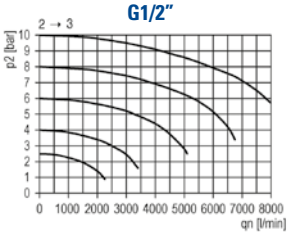


Portata in scarico
Exhaust flow rate

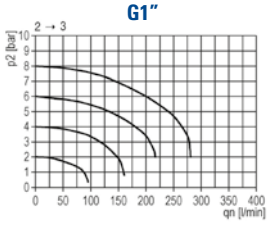
G1/4" - G3/8"



G1/2"



G1"



SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**H**
SR-M2K	16.308.0	52	54	55	33	6
SR-M3K	16.348.0	52	54	55	33	6
SR-M4K	16.328.0	63	67	70	92	-
SR-M6K	16.369.0	85	93	94	51	-

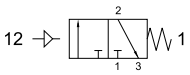
DIMENSIONI
DIMENSIONS

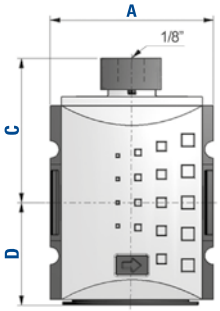
La staffa e la ghiera di fissaggio devono essere acquistate separatamente.
Mounting bracket and ring are bought separately.

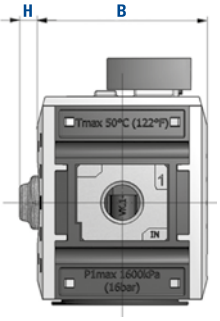
Valvola di scarico rapido ad azionamento pneumatico

Pneumatically actuated quick exhaust valve

- Valvola 3/2 di scarico rapido e sezionamento circuito a comando elettrico
  Pneumatically actuated 3/2 quick exhaust and shut-off valve
- Elevata portata in scarico
  High exhaust flow rate







Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

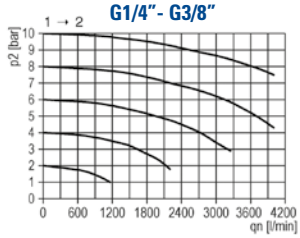
Materials

Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

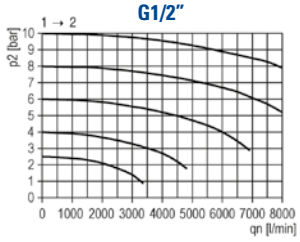
Attacchi *[Ports]*			**G1/4"**	**G3/8"**	**G1/2"**	**G1"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*			0.26 kg	0.26 kg	0.56 kg	0.89 kg
Pressione di esercizio *Working pressure range*		p_{min} p_{max}	0 bar 16 bar	0 bar 16 bar	0 bar 16 bar	0 bar 10 bar
Portata massima in entrata *Inlet maximum flow rate*	p = 6.3 bar; Δp = 1 bar	Q_{max}	2000 l/min	2000 l/min	4300 l/min	11000 l/min
Portata massima in scarico *Exhaust maximum flow rate*		Q_{max}	400 l/min	400 l/min	3000 l/min	4000 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**SCR 2K-P** 16.310.0	**SCR 3K-P** 16.350.0	**SCR 4K-P** 16.330.0	**SCR 6K-P** 16.370.0

Portata in entrata
Inlet flow rate

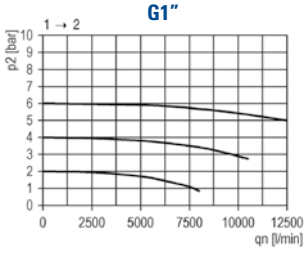
G1/4" - G3/8"



G1/2"

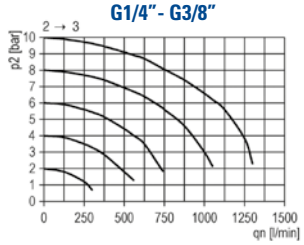


G1"

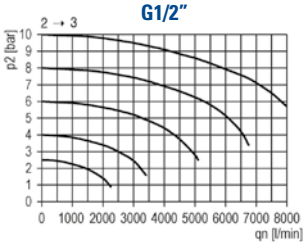


Portata in scarico
Exhaust flow rate

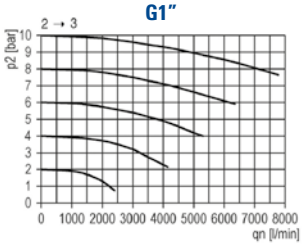
G1/4" - G3/8"



G1/2"



G1"



SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**H**
SCR 2K-P	16.310.0	52	54	46	33	6
SCR 3K-P	16.350.0	52	54	46	33	6
SCR 4K-P	16.330.0	63	67	55	92	-
SCR 6K-P	16.370.0	85	93	78	102	-

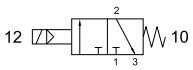
DIMENSIONI
DIMENSIONS

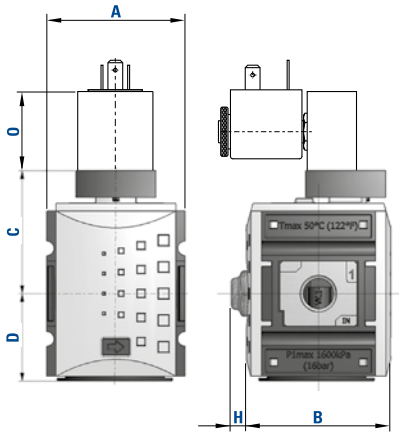
La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

Valvola di scarico rapido ad azionamento elettrico

Solenoid actuated quick exhaust valve

- Valvola 3/2 di scarico rapido e sezionamento circuito a comando elettrico
  Solenoid actuated 3/2 quick exhaust and shut-off valve
- Elevata portata in scarico
  High exhaust flow rate





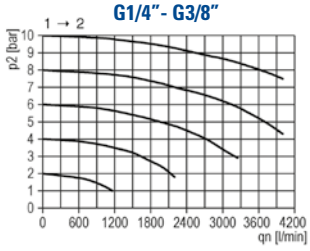
Materiali
Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

Materials
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

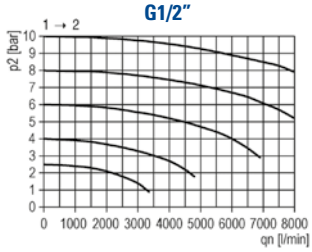
Attacchi *[Ports]*			**G1/4"**	**G3/8"**	**G1/2"**	**G1"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*			0.38 kg	0.38 kg	0.68 kg	1.15 kg
Pressione di esercizio *Working pressure range*		p_{min} p_{max}	2 bar 10 bar	2 bar 10 bar	2 bar 10 bar	2 bar 10 bar
Portata massima in entrata *Inlet maximum flow rate*	p = 6.3 bar; Δp = 1 bar	Q_{max}	2000 l/min	2000 l/min	4300 l/min	11000 l/min
Portata massima in scarico *Exhaust maximum flow rate*		Q_{max}	400 l/min	400 l/min	3000 l/min	4000 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**SCR 2K-E** 16.310.3	**SCR 3K-E** 16.340.3	**SCR 4K-E** 16.330.3	**SCR 6K-E** 16.370.3

Portata in entrata
Inlet flow rate

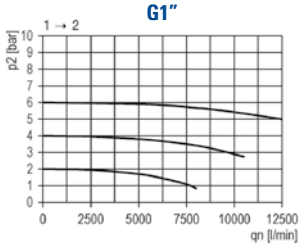
G1/4"- G3/8"



G1/2"

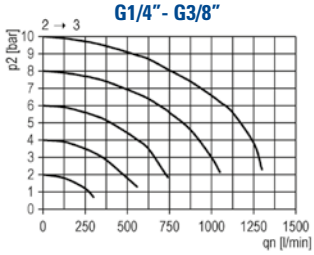


G1"

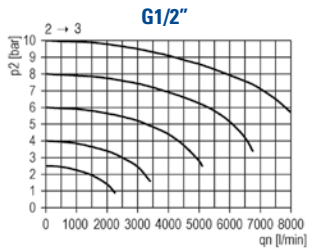


Portata in scarico
Exhaust flow rate

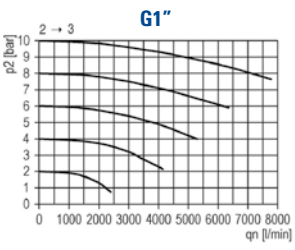
G1/4"- G3/8"



G1/2"



G1"



SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**H**	**O**
SCR 2K-E	16.310.3	52	54	46	33	6	32
SCR 3K-E	16.340.3	52	54	46	33	6	32
SCR 4K-E	16.330.3	63	67	55	92	-	32
SCR 6K-E	16.370.3	85	32	72	102	-	32

DIMENSIONI
DIMENSIONS

La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

Il prodotto è venduto senza bobina, da acquistarsi separatamente.
The product is sold without coil, which is bought separately.

Avviatore progressivo

Slow-start valve

Modalità di funzionamento

La valvola fornisce a un circuito pneumatico aria a pressione progressivamente crescente fino a raggiungere la metà della pressione di rete nel tempo impostato con la vite di regolazione integrata. Durante questa fase non devono essere attivi gli elementi del circuito che consumano aria. Raggiunta la soglia di commutazione, l'avviatore progressivo passa automaticamente a fornire la pressione di rete.
L'avviatore progressivo impedisce eventuali movimenti improvvisi dei dispositivi pneumatici montati nel circuito, che si potrebbero avere se venisse fornita immediatamente la pressione di rete.

Valve operation

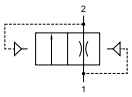
The valve applies to a pneumatic circuit a progressively increasing pressure over a period of time set by the integrated screw. During this phase no air consumption is allowed in the circuit. After having reached the half of the system pressure, the slow-start valve begins to automatically feed the circuit with the system pressure.
The slow-start valve prevents from unexpected motions of the pneumatic devices in the circuit, which could happen by applying directly the system pressure.

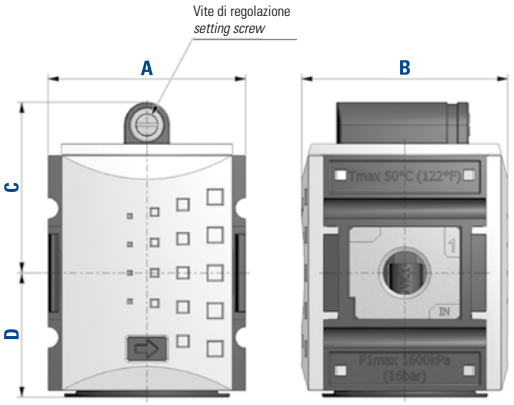
Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

Materials

Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

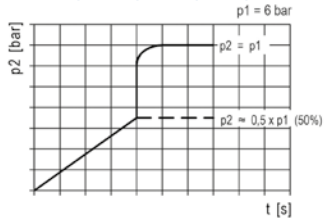




Attacchi *[Ports]*			**G1/4"**	**G3/8"**	**G1/2"**	**G1"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*			0.24 kg	0.24 kg	0.53 kg	0.86 kg
Pressione di esercizio *Working pressure range*		p_{min} p_{max}	2.5 bar 16 bar	2.5 bar 16 bar	2.5 bar 16 bar	2.5 bar 16 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	1900 l/min	1900 l/min	4500 l/min	1900 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**AVP 2K-00** 16.311.0	**AVP 3K-00** 16.351.0	**AVP 4K-00** 16.331.0	**AVP 6K-00** 16.371.0

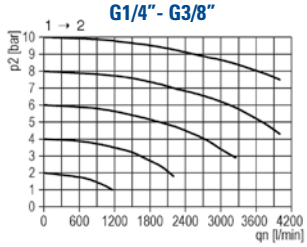
Rapporto tempo/pressione
Time/pressure ratio

G1/4"- G3/8"- G1/2"- G/1"

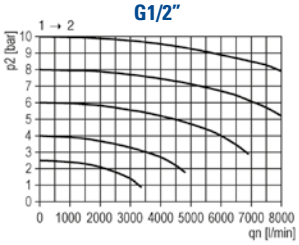


Portata in scarico
Exhaust flow rate

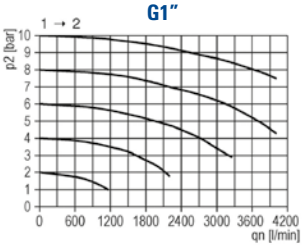
G1/4"- G3/8"



G1/2"



G1"



SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**
AVP 2K-00	16.311.0	52	54	45	33
AVP 3K-00	16.351.0	52	54	45	33
AVP 4K-00	16.331.0	63	67	54	58
AVP 6K-00	16.371.0	43	48	53	28

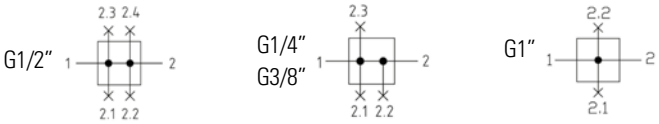
DIMENSIONI
DIMENSIONS

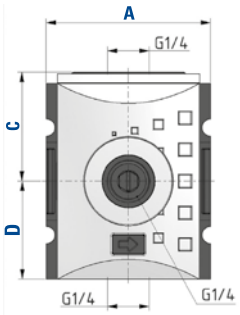
A richiesta disponibile con filetti NPT
On request available with NPT threads

Presa d'aria

Porting block

- Può essere utilizzata per prelevare aria non lubrificata e/o non regolata.
  It can be used to provide unlubricated and/or unregulated air.





Attacchi *[Ports]*		**G1/4"**	**G3/8"**	**G1/2"**	**G1"**
Temperatura di esercizio °C *[Temperature range °C]*		0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*		0.24 kg	0.24 kg	0.37 kg	0.82 kg
Pressione di esercizio *Working pressure range*	p_{min} p_{max}	0 bar 16 bar	0 bar 16 bar	0 bar 16 bar	0 bar 10 bar
Portata nominale *Nominal flow* p = 6.3 bar; Δp = 1 bar	Q_{max}	2700 l/min	2700 l/min	7250 l/min	18000 l/min
Portata inferiore *[Flow rate below]*	Q_n	2000 l/min	2000 l/min	5500 l/min	12000 l/min
Portata superiore *[Flow rate top]*	Q_n	2000 l/min	2000 l/min	2250 l/min	8500 l/min
Portata anteriore *[Flow rate front]*	Q_n	900 l/min	900 l/min	2300 l/min	-
Portata posteriore *[Flow rate back]*	Q_n	-	-	2300 l/min	-
CODICE DI ORDINAZIONE *ORDER CODE*		**PAI 2K-00** 16.312.0	**PAI 3K-00** 16.352.0	**PAI 4K-00** 16.332.0	**PAI 6K-00** 16.372.0

Valvola di non ritorno

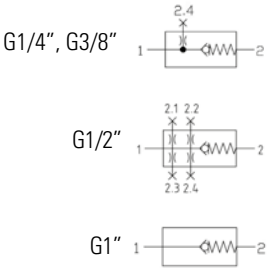
Non-return valve

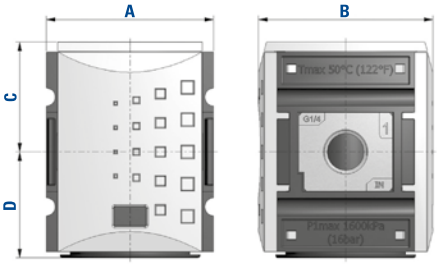
Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

Materials

Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel





Attacchi *[Ports]*		**G1/4"**	**G3/8"**	**G1/2"**	**G1"**
Temperatura di esercizio °C *[Temperature range °C]*		0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C
Peso *[Weight]*		0.24 kg	0.24 kg	0.37 kg	0.82 kg
Pressione di esercizio *Working pressure range*	P_{min} P_{min}	0.4 bar 16 bar	0.4 bar 16 bar	0.4 bar 16 bar	0.4 bar 10 bar
Portata nominale *Nominal flow* p = 6.3 bar; Δp = 1 bar	Q_{max}	1250 l/min	1250 l/min	4500 l/min	16000 l/min
Portata massima laterale *[Maximum flow rate in side direction]*	Q_{max}	700 l/min	700 l/min	1150 l/min	-
Portata superiore *[Flow rate top]*	Q_n	-	-	800 l/min	
CODICE DI ORDINAZIONE *ORDER CODE*		**VNR 2K** 16.315.0	**VNR 3K** 16.355.0	**VNR 4K** 16.335.0	**VNR 6K** 16.376.0

SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**
PAI 2K-00	16.312.0	52	54	35	31
PAI 3K-00	16.352.0	52	54	35	31
PAI 4K-00	16.332.0	63	67	43	38
PAI 6K-00	16.372.0	85	93	59	51

SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**
VNR 2K	16.315.0	52	54	34	33
VNR 3K	16.355.0	52	54	34	33
VNR 4K	16.335.0	63	67	43	38
VNR 6K	16.376.0	85	93	58	54

DIMENSIONI

DIMENSIONS

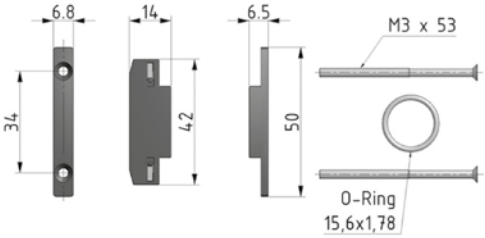
A richiesta disponibile con filetti NPT
On request available with NPT threads

ANKASAN
İVEDİK OSB. MAHALLESİ 1456. CADDE NO:15 YENİMAHALLE / ANKARA 0 312 385 90 72 0 312 385 90 73 info@ankasan.tr

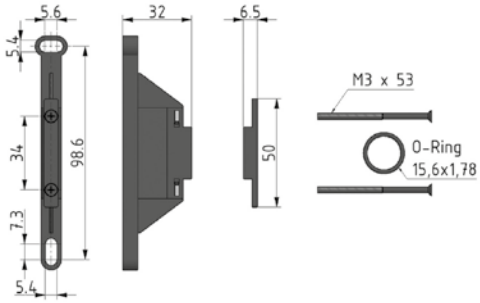
Kit montaggio con staffa di fissaggio

Coupling kit with mounting bracket

ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/4" MINI	**KIT 2MK-00** 16.296.0



ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/4" MINI	**KIT 2MK-01** 16.295.0



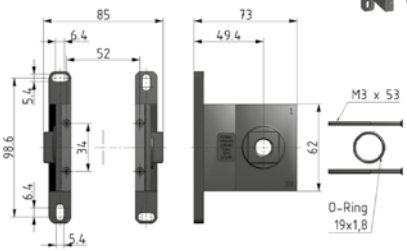
Kit montaggio con staffa di fissaggio e filetto incorporato

Coupling kit with mounting bracket and embedded thread

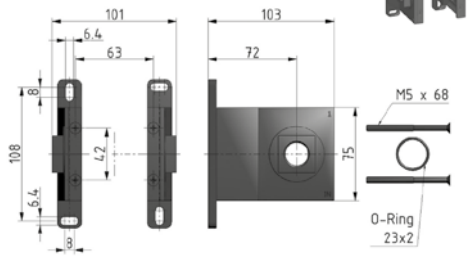
Consente di sostituire il gruppo trattamento aria senza smontare i tubi e i fissaggi dal pannello.
It allows to replace the air preparation units without removing the tubes and the mounting brackets from the panel.

Ogni pezzo è venduto in kit con i particolari necessari al suo assemblaggio.
Each element is sold in kit with all necessary pieces for installation.

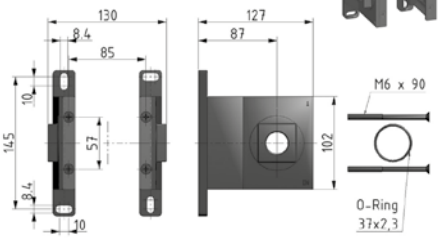
ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/4"	**16.267.0**
G3/8"	**16.268.0**



ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/2"	**16.269.0**



ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1"	**16.279.0**

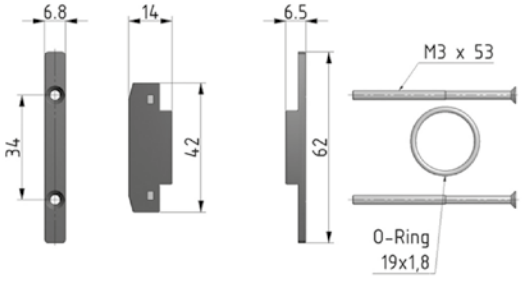


Kit montaggio con staffa di fissaggio

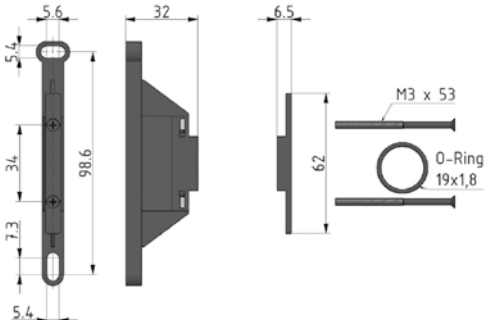
Coupling kit with mounting bracket

Ogni pezzo è venduto in kit con i particolari necessari al suo assemblaggio.
Each element is sold in kit with all necessary pieces for installation.

ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/4"- G3/8"	**KIT 2K-00** 16.313.0



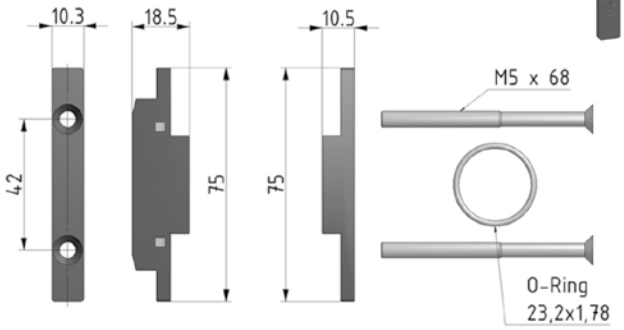
ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/4"- G3/8"	**KIT 2K-01** 16.314.0



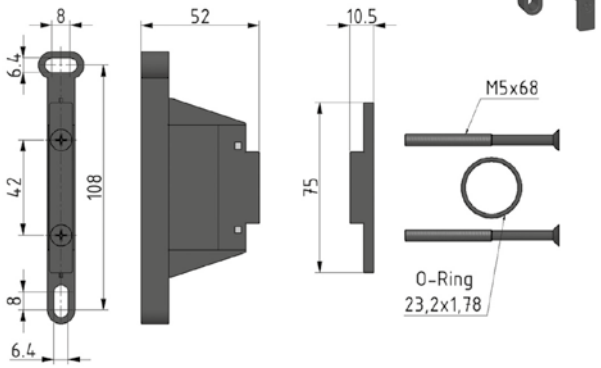
Kit montaggio con staffa di fissaggio

Coupling kit with mounting bracket

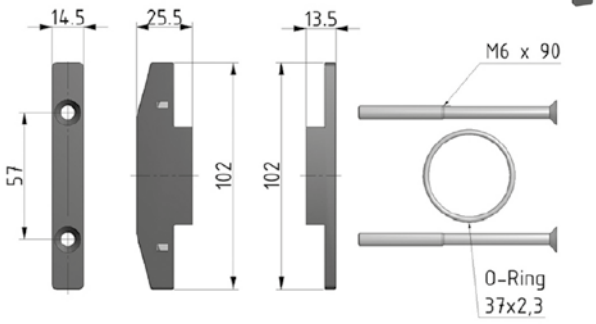
ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/2"	**KIT 4K-00** 16.333.0



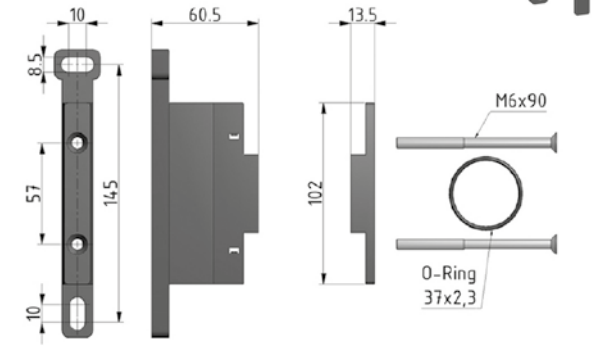
ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/2"	**KIT 4K-01** - 16.334.0



ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1"	**KIT 6K-00** 16.373.0



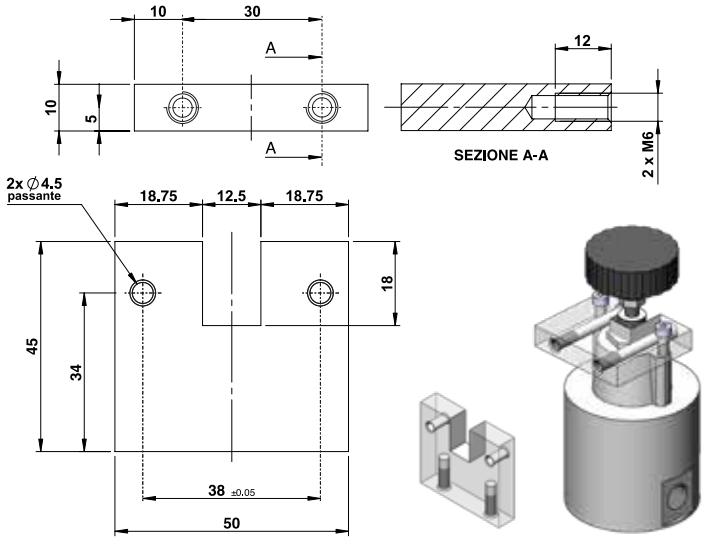
ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1"	**KIT 6K-01** 16.374.0



Staffa per regolatore di precisione G1/4"

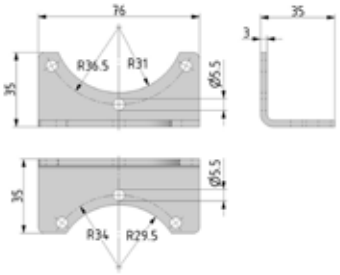
Mounting bracket for precision regulator G1/4"

ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/4"	**BO.006.1**

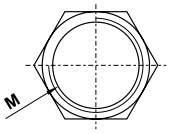


Staffa per regolatore di precisione G1/2" cod. 16.230.0

Mounting bracket for precision regulator G1/2" code 16.230.0



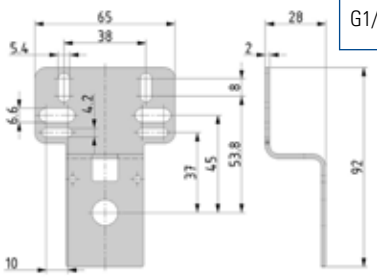
ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/2"	**16.231.0**



ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*	M
G1/4" MINI	**16.044.0**	M30x1.5
G1/4"- G3/8"	**16.030.0**	M36x1.5
G1/2"	**16.329.0**	M42x1.5
G1"	**16.254.0**	M50x1.5

Staffe e ghiera di fissaggio

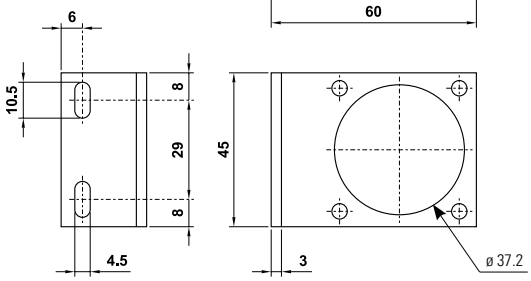
Mounting brackets and ring

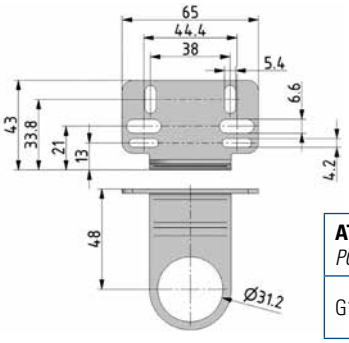


ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/4" MINI	**STF 2MPK** 16.253.0

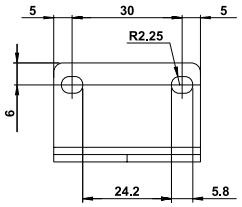
ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/4"- G3/8"	**STF 3A** - 16.011.2

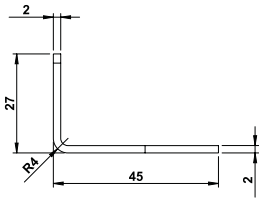
L'anello di montaggio a pagina 32 è necessario
The mounting ring on page 32 is required

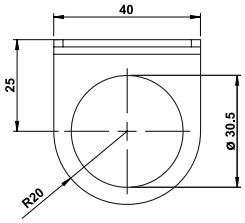




ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/4" MINI	**STF 2MK** 16.297.0

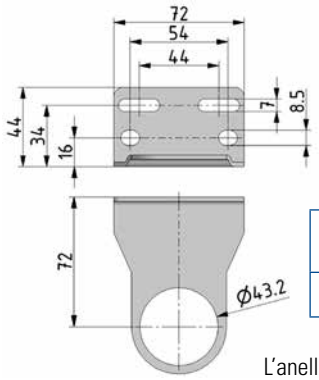






L'anello di montaggio a pagina 32 è necessario
The mounting ring on page 32 is required

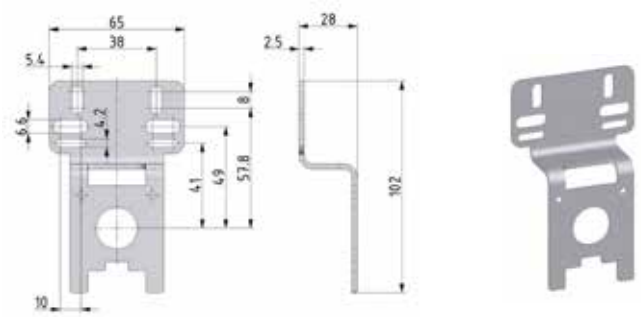
ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/4"	**STF 2** - 16.021.0



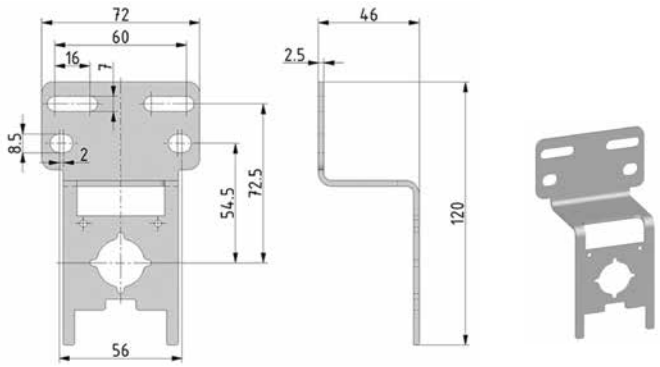
ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/2"	**16.338.0**

L'anello di montaggio a pagina 32 è necessario
The mounting ring on page 32 is required

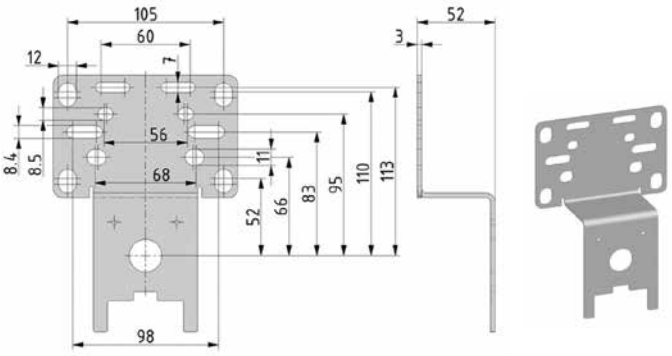
ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/4" - G3/8"	**16.288.0**



ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/2"	**16.289.0**



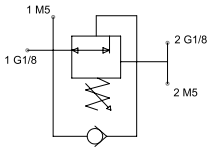
ATTACCHI *PORTS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1"	**16.375.0**

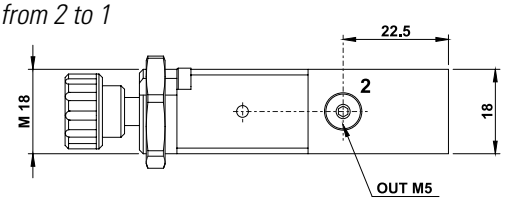


Mini-regolatore di pressione con by-pass G1/8" M5

M5 mini pressure regulator with by-pass

- Regolatore a pistone con valvola di scarico sovrapressione (relieving)
  Piston-type pressure regulator with relieving
- Autocompensazione durante la regolazione
  Self-compensated regulation
- Grande sensibilità
  Sensitive regulation
- Installazione in linea o a pannello
  In-line or panel mounting
- Ideale per l'applicazione tra cilindro e valvola di comando
  Ideal for use between cylinder and valve
- Con valvola di non ritorno per by-pass in direzione da 2 a 1
  With non-return valve to by-pass the regulator in direction from 2 to 1
- Doppia connessione in ingresso e uscita G1/8" e M5
  Double port in and out G1/8"and M5



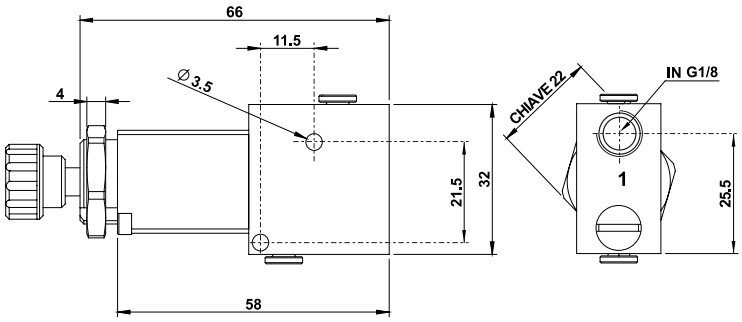


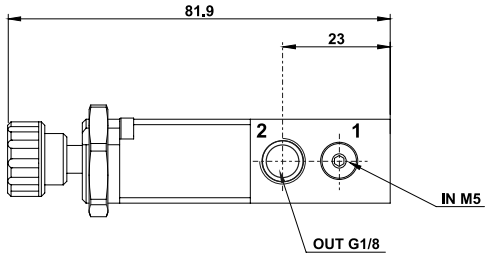
Materiali

Corpo: alluminio
Molle: INOX
Parti interne: ottone OT58
Manopola: polimero

Materials

Body: aluminium
Springs: stainless steel
Internal parts: brass OT58
Knob: polymer





COLLETTORI ORIENTABILI* *GANG MANIFOLDS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/8" nr. posizioni 2 *[no. stations 2]*	**00.042.3**
G1/8" nr. posizioni 3 *[no. stations 3]*	**00.043.3**
G1/8" nr. posizioni 4 *[no. stations 4]*	**00.044.3**
G1/8" nr. posizioni 5 *[no. stations 5]*	**00.045.3**
G1/8" nr. posizioni 6 *[no. stations 6]*	**00.046.3**

STAFFE* *BRACKETS*	CODICE DI ORDINAZIONE *ORDER CODE*
G1/8" staffa lunga *[long bracket]*	**00.029.2**
G1/8" staffa corta *[short bracket]*	**00.067.2**

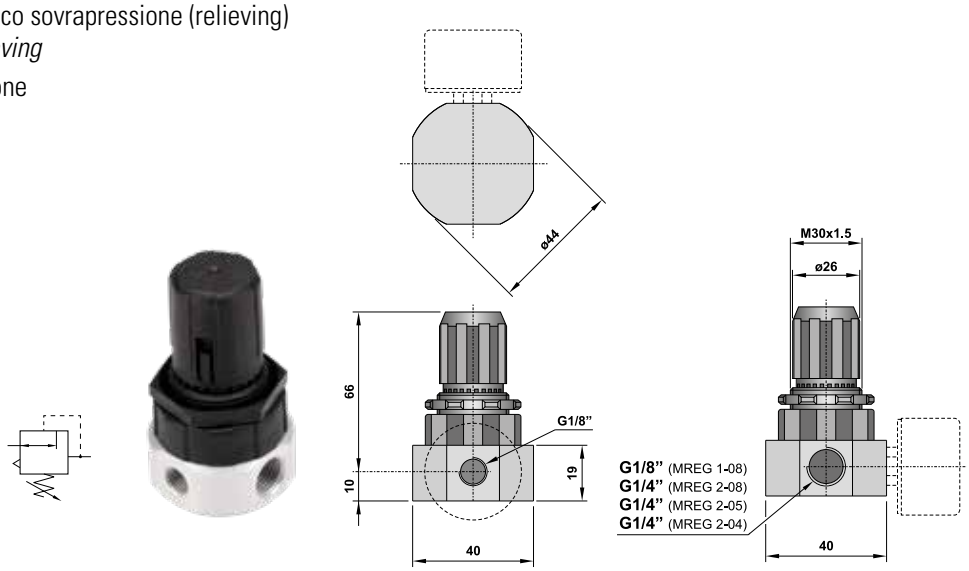
* Per le misure dei collettori e delle staffe vedere catalogo generale a pagina 232
** For the dimensions of the manifolds and the brackets see general catalog on page 232*

Attacchi *[Ports]*		**G1/8"**
Temperatura di esercizio °C *Temperature range °C*		0 ... +50°C
Pressione di alimentazione *Inlet pressure range*	$p_{1\,min}$ $p_{1\,max}$	1.5 bar 10 bar
Pressione di utilizzo *Outlet pressure range*	$p_{2\,min}$ $p_{2\,max}$	0.5 bar 8 bar
Differenza minima di pressione (Δp) *Minimum pressure difference (Δp)*	$p_1 - p_2$	0.2 bar
Isteresi *Hysteresis*	p_1=10 bar / p_2=0 bar p_1=10 bar / p_2=8 bar	1.6 0.6
Portata raccomandata p_2 = 6.3 bar a 25 m/s *Recommended flow rate* p_2 = 6.3 bar at 25 m/s	Q_n	300 l/min
CODICE DI ORDINAZIONE *ORDER CODE*		**16.129.4**

Mini-regolatore di pressione

Mini pressure regulator

- Regolatore a pistone con valvola di scarico sovrapressione (relieving)
  Piston-type pressure regulator with relieving
- Autocompensazione durante la regolazione
  Self-compensated regulation
- Grande sensibilità
  Sensitive regulation
- Installazione in linea o a pannello
  In-line or panel mounting



Materiali

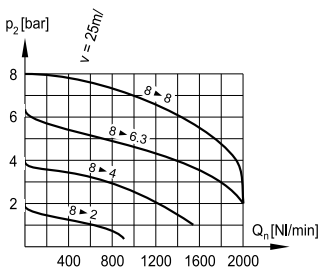
Corpo: alluminio
Molle: INOX
Guarnizione: NBR
Parti interne: ottone, INOX
Manopola: polimero

Materials

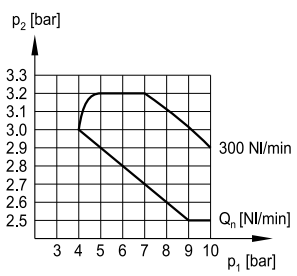
Body: aluminium
Springs: stainless steel
Seals: NBR
Internal parts: brass, stainless steel
Knob: polymer

Attacchi *[Ports]*		**G1/8"**	**G1/8"**	**G1/4"**	**G1/4"**	**G1/4"**	**G1/4"**	**G1/4"**
Temperatura di esercizio °C *Temperature range °C*		0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C	0 ... +50°C
Pressione di alimentazione *Inlet pressure range*	$p_{1\,min}$ $p_{1\,max}$	1.5 bar 10 bar	1.5 bar 10 bar	1.5 bar 16 bar	1.5 bar 10 bar	1.5 bar 10 bar	1.5 bar 10 bar	1.5 bar 10 bar
Pressione di utilizzo *Outlet pressure range*	$p_{2\,min}$ $p_{2\,max}$	0.5 bar 8 bar	0.5 bar 4 bar	0.5 bar 16 bar	0.5 bar 8 bar	0.5 bar 6 bar	0.5 bar 4 bar	0.5 bar 2 bar
Differenza minima di pressione (Δp) *Minimum pressure difference (Δp)*	$p_1 - p_2$	0.2 bar	0.2 bar	0.2 bar	0.2 bar	0.2 bar	0.2 bar	0.2 bar
Isteresi *Hysteresis*	p_1=10 bar / p_2=0 bar p_1=10 bar / p_2=8 bar	1.6 0.6	1.6 0.6	1.6 0.6	1.6 0.6	1.6 0.6	1.6 0.6	1.6 0.6
Portata raccomandata p_2 = 6.3 bar a 25 m/s *Recommended flow rate* p_2 = 6.3 bar at 25 m/s	Q_n	550 l/min	550 l/min	550 l/min	550 l/min	550 l/min	550 l/min	550 l/min
CODICE DI ORDINAZIONE *ORDER CODE*	mini-regolatore di pressione *mini pressure regulator*	**MREG 1-08** 16.018.4	**MREG 1-04** 16.041.4	**MREG 2-16** 16.075.4	**MREG 2-08** 16.011.4	**MREG 2-06** 16.110.4	**MREG 2-04** 16.016.4	**MREG 2-02** 16.072.4

Caratteristiche di portata (MREG 2-08)
Flow characteristics (MREG 2-08)



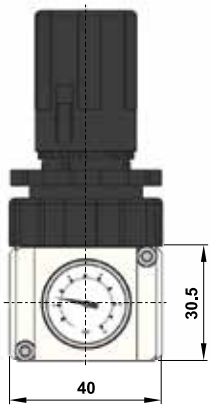
Variazione della pressione di utilizzo in presenza di fluttuazioni della pressione di alimentazione (MREG 2-08)
Outlet pressure variation with fluctuating inlet pressure (MREG 2-08)

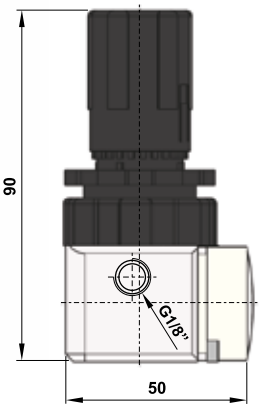


Mini-regolatore di pressione con manometro

Mini pressure regulator with manometer

- Regolatore a pistone con valvola di scarico sovrapressione (relieving)
  Piston-type pressure regulator with relieving
- Manometro incorporato
  Manometer already present in the regulator body
- Installazione in linea o a pannello
  In-line or panel mounting



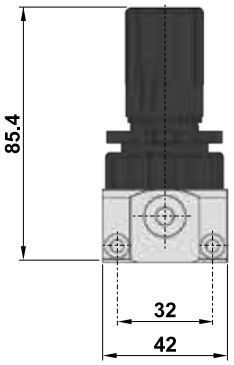


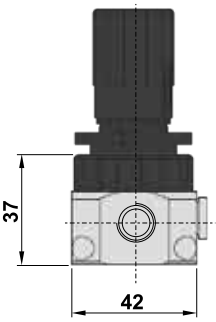
Materiali	***Materials***
Corpo: alluminio	*Body: aluminium*
Molle: INOX	*Springs: stainless steel*
Guarnizione: NBR	*Seals: NBR*
Parti interne: ottone, INOX	*Internal parts: brass, stainless steel*
Manopola: polimero	*Knob: polymer*

ATTACCHI *PORTS*	**CODICE DI ORDINAZIONE** *ORDER CODE*
G1/4"	**16.082.4**

Mini-regolatore di pressione con fori passanti per fissaggio a parete

Mini pressure regulator with passing-through holes for side mounting



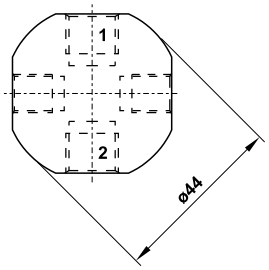


ATTACCHI *PORTS*	**CODICE DI ORDINAZIONE** *ORDER CODE*
G1/4"	**MREG 2-08 FP** 16.114.4

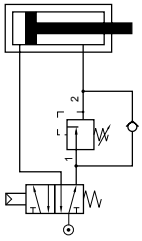
Mini-regolatore di pressione con by-pass

Mini pressure regulator with by-pass

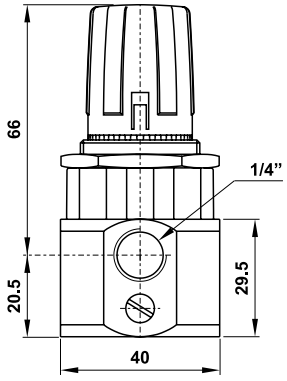
- Ideale per l'applicazione tra cilindro e valvola di comando
  Ideal for use between cylinder and valve
- Con valvola di non ritorno per by-pass in direzione da 2 a 1
  With non-return valve to by-pass the regulator in direction from 2 to 1

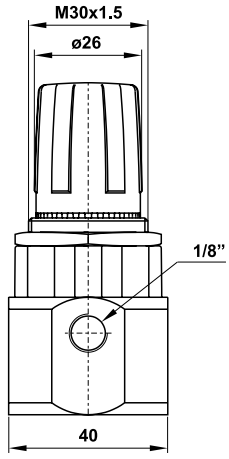


Portata raccomandata *Recommended flow rate*	p_2 = 6.3 bar a 25 m/s *p_2 = 6.3 bar at 25 m/s*	180 l/min
CODICE DI ORDINAZIONE *ORDER CODE*	mini-regolatore di pressione con by-pass *mini pressure regulator with by-pass*	**16.070.4**



schema applicativo
application sketch





Mini-regolatore di pressione G1/4”con manometro nella manopola

G1/4" mini pressure regulator with manometer embedded in the knob

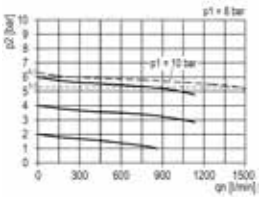
- Regolatore a pistone con valvola di scarico sovrapressione (relieving)
  Piston-type pressure regulator with relieving
- Autocompensazione durante la regolazione
  Self-compensated regulation
- Grande sensibilità
  Sensitive regulation
- Installazione in linea o a pannello
  In-line or panel mounting

Materiali
Corpo: zamak
Guarnizioni: NBR
Parti interne: ottone e INOX

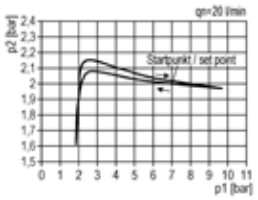
Materials
Body: zamak
Seals: NBR
Internal parts: brass and stainless steel

Attacchi *[Ports]*		**G1/4”**
Temperatura di esercizio °C *[Temperature range °C]*		-10°C ... +60 °C
Peso *[Weight]*		0.39 kg
Pressione di alimentazione *Inlet pressure range*	$p_{1\,min}$ p_{1max}	1.5 bar 16 bar
Pressione di utilizzo *Outlet pressure range*	$p_{2\,min}$ $p_{2\,max}$	0.5 bar 6 bar
Portata nominale *Nominal flow*	Q_{max}	1450 l/min
CODICE DI ORDINAZIONE - *ORDER CODE*		**16.255.0**

Caratteristiche di portata
Flow characteristics



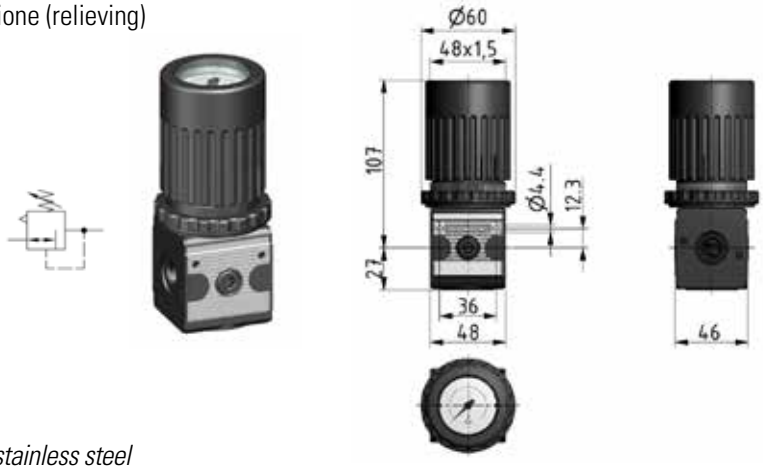
Isteresi
Hysteresis



Regolatore di pressione G3/8”con manometro nella manopola

G3/8" pressure regulator with manometer embedded in the knob

- Regolatore a pistone con valvola di scarico sovrapressione (relieving)
  Piston-type pressure regulator with relieving
- Autocompensazione durante la regolazione
  Self-compensated regulation
- Grande sensibilità
  Sensitive regulation
- Installazione in linea o a pannello
  In-line or panel mounting

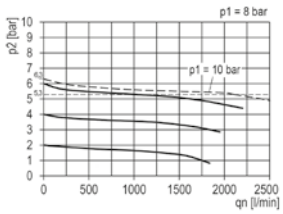


Materiali
Corpo: zamak
Guarnizioni: NBR
Parti interne: ottone e INOX

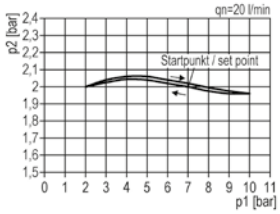
Materials
Body: zamak
Seals: NBR
Internal parts: brass and stainless steel

Attacchi *[Ports]*		**G3/8”**
Temperatura di esercizio °C *[Temperature range °C]*		-10°C ... +60 °C
Peso *[Weight]*		0.233 kg
Pressione di alimentazione *Inlet pressure range*	p_{min} p_{max}	1.5 bar 16 bar
Pressione di utilizzo *Outlet pressure range*	$p_{2\,min}$ $p_{2\,max}$	0.5 bar 10 bar
Portata nominale *Nominal flow*	Q_{max}	2100 l/min
CODICE DI ORDINAZIONE - *ORDER CODE*		**16.265.0**

Caratteristiche di portata
Flow characteristics



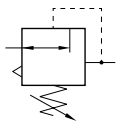
Isteresi
Hysteresis

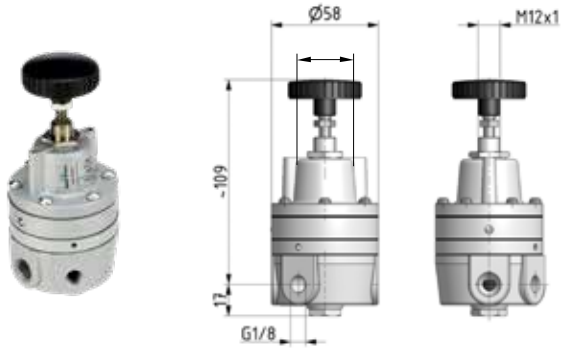


Regolatore di pressione di precisione

Precision pressure regulator

- Regolatore a membrana con valvola di scarico sovrapressione (relieving)
  Diaphragm-type pressure regulator with relieving
- Autocompensazione durante la regolazione
  Self-compensated regulation
- Campo di regolazione: 0.05 ... 7 bar
  Regulation range: 0.05 ... 7 bar





Materiali
Corpo: zamak
Guarnizioni: NBR
Parti interne: ottone e INOX

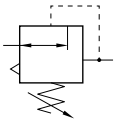
Materials
Body: zamak
Seals: NBR
Internal parts: brass and stainless steel

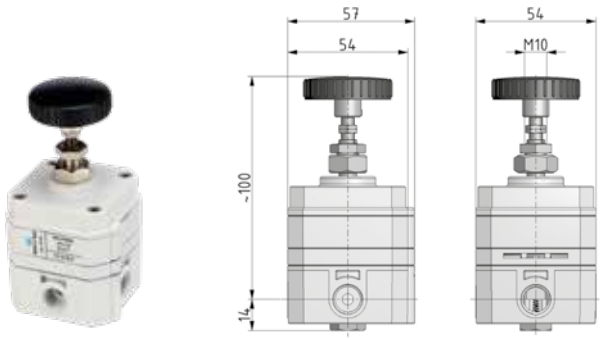
Per le staffe di fissaggio vedere pagina 32.
For mounting bracket see page 32.

La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

Codice di ordinazione
order code
16.214.0 - 16.235.0

- Regolatore a membrana con valvola di scarico sovrapressione (relieving)
  Diaphragm-type pressure regulator with relieving
- Autocompensazione durante la regolazione
  Self-compensated regulation
- Campo di regolazione: 0.1 ... 8 bar
  Regulation range: 0.1 ... 8 bar





Materiali
Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

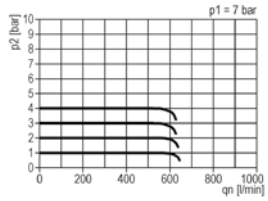
Materials
Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

Codice di ordinazione
order code
16.215.0

Attacchi *[Ports]*			**G1/4"**	**G1/4"**	**G1/4"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +60°C	0 ... +60°C	0 ... +60°C
Peso *[Weight]*			0.7 kg	0.7 kg	0.3 kg
Pressione di alimentazione *Inlet pressure range*		$p_{1\,min}$ $p_{1\,max}$	1.5 bar 16 bar	1.5 bar 16 bar	1.5 bar 12 bar
Pressione di utilizzo *Outlet pressure range*		$p_{2\,min}$ $p_{2\,max}$	0.5 bar 7 bar	0.5 bar 2 bar	0.5 bar 8 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	600 l/min	600 l/min	400 l/min
Consumo di aria con p_1 = 5 bar *Air consumption at p_1 = 5 bar*			< 2.2 l/min	< 2.2 l/min	
Consumo di aria con p_1 = 6 bar *Air consumption at p_1 = 6 bar*					2.6 l/min
Consumo di aria con p_1 = 7 bar *Air consumption at p_1 = 7 bar*			< 3 l/min	< 3 l/min	
Consumo di aria con p_1 = 10 bar *Air consumption at p_1 = 10 bar*			< 4.1 l/min	< 4.1 l/min	
CODICE DI ORDINAZIONE *ORDER CODE*			**16.214.0**	**16.235.0**	**16.215.0**

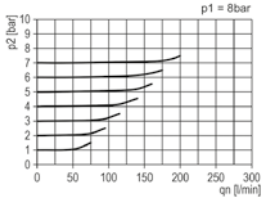
Caratteristiche di portata
Flow characteristics

16.214.0 - 16.235.0



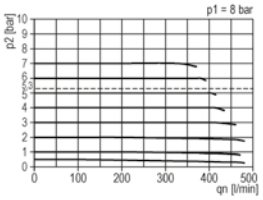
Caratteristiche del relieving
Relieving characteristics

16.214.0 - 16.235.0



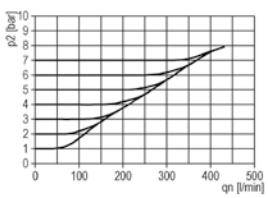
Caratteristiche di portata
Flow characteristics

16.215.0



Caratteristiche del relieving
Relieving characteristics

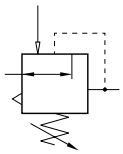
16.215.0

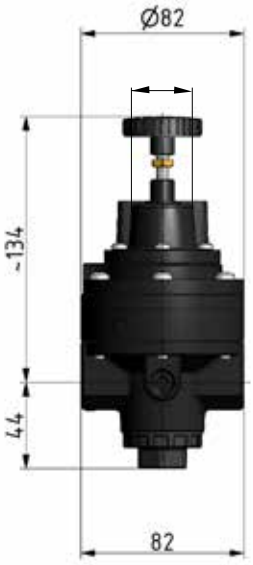


Regolatore di pressione di precisione

Precision pressure regulator

- Regolatore a membrana con valvola di scarico sovrapressione (relieving)
  Diaphragm-type pressure regulator with relieving
- Pilotaggio pneumatico remoto
  Remote pneumatic piloting
- Regolazione meccanica ausiliaria a 6 bar
  Auxiliary mechanical regulation at 6 bar
- Autocompensazione durante la regolazione; alto relieving
  Self-compensated regulation; high performance relieving
- Campo di regolazione: 0.05 ... 7 bar
  Regulation range: 0.05 ... 7 bar



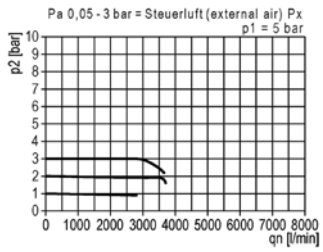


Materiali
Corpo: zamak
Guarnizioni: NBR
Parti interne: ottone e INOX

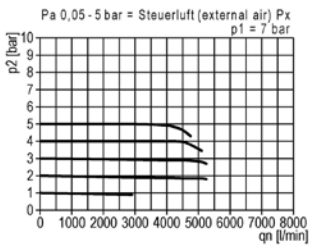
Materials
Body: zamak
Seals: NBR
Internal parts: brass and stainless steel

Attacchi *[Ports]*			**G1/2"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +60°C
Peso *[Weight]*			1.4 kg
Pressione di alimentazione *Inlet pressure range*		$p_{1\,min}$ $p_{1\,max}$	1.5 bar 16 bar
Pressione di utilizzo *Outlet pressure range*		$p_{2\,min}$ $p_{2\,max}$	0.5 bar 7 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	6500 l/min
Consumo di aria con p1=16 bar *Air consumption at p_1=16 bar*			< 6 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**16.230.0**

Caratteristiche di portata (I)
Flow characteristics (I)



Caratteristiche di portata (II)
Flow characteristics (II)



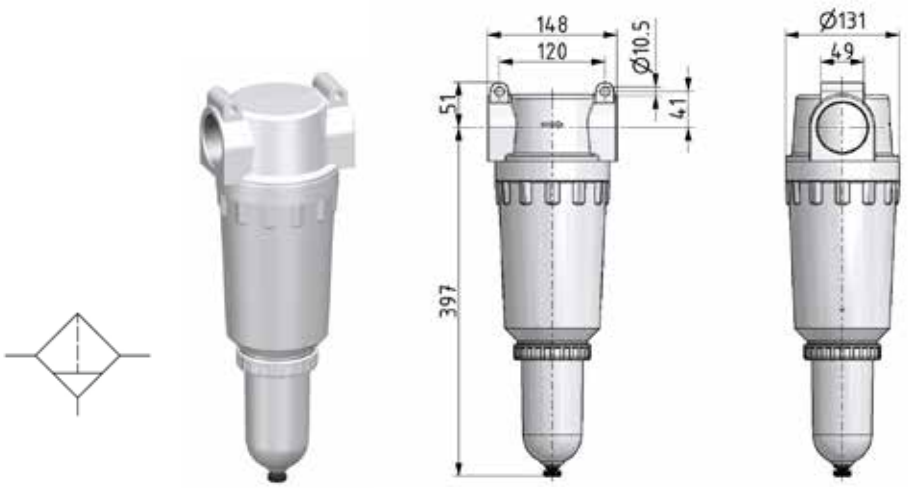
Staffa regolatore di precisione G1/2" *Bracket precision regulator G1/2"*	
CODICE DI ORDINAZIONE *ORDER CODE*	**16.231.0**

La staffa di fissaggio deve essere acquistata separatamente.
Mounting bracket is bought separately.

Filtro G1 1/2" - G2"

G1 1/2" - G2" filter

- Scarico semiautomatico
  semi-automatic drain
- Installazione verticale
  Vertical installation
- *Tazza: metallo*
  Bowl: metal
- Fluido: aria compressa, gas neutri
  Medium: compressed air, neutral gases



Materiali

Corpo: alluminio
Guarnizioni: NBR
Parti interne: ottone e INOX
Tazza: metallo

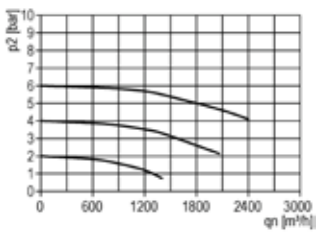
Materials

Body: aluminium
Seals: NBR
Internal parts: brass and stainless steel
Bowl: metal

Fori di fissaggio presenti nel corpo filtro
Fixing holes in the filter body

Attacchi *Ports*		**G1 1/2"**	**G2"**
Temperatura di esercizio °C *Temperature range °C*		-10°C ... +60°C	-10°C ... +60°C
Peso *Weight*		3.37 kg	3.27 kg
Elemento filtrante *Filter element*		60 µm	60 µm
Pressione di esercizio *Working pressure range*	p_{min} p_{max}	1.5 bar 16 bar	1.5 bar 16 bar
Portata nominale *Nominal flow* p = 6.3 bar; Δp = 1 bar	Q_{max}	30000 l/min	30000 l/min
CODICE DI ORDINAZIONE *ORDER CODE*		**FIL 7K-60-S** 16.394.0	**FIL 8K-60-S** 16.395.0

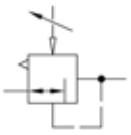
Caratteristiche di portata
Flow characteristics

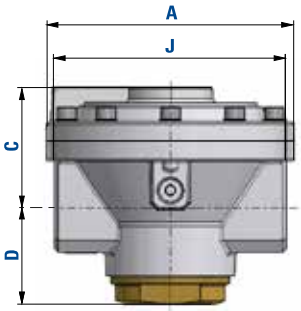


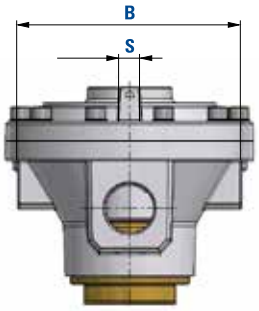
Regolatore pilotato

Regulator with manometer, pilot-operated

- Regolatore di pressione pilotato a membrana con manometro e scarico sovrapressione (relieving), controllato pneumaticamente a distanza (1:1)
  Diaphragm-operated pressure regulator with manometer and relieving pneumatically remote-controlled (1:1).
- Fluido: aria compressa, gas neutri
  Medium: compressed air, neutral gases







Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

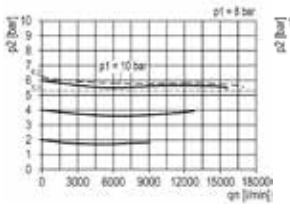
Materials

Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

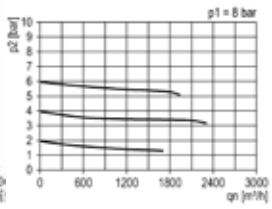
Attacchi *[Ports]*			**G1"**	**G1 1/2"**	**G2"**
Temperatura di esercizio °C *[Temperature range °C]*			-10°C ... +80°C	-10°C ... +80°C	-10°C ... +80°C
Peso *[Weight]*			1.42 kg	2.01 kg	5.53 kg
Pressione di alimentazione *Inlet pressure range*		$p_{1\,min}$ $p_{1\,max}$	1.5 bar 20 bar	1.5 bar 40 bar	1.5 bar 40 bar
Pressione di utilizzo *Outlet pressure range*		$p_{2\,min}$ $p_{2\,max}$	0.5 bar 10 bar	0.5 bar 20 bar	0.5 bar 20 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	15000 l/min	31500 l/min	50000 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**REGP 6K-20** 16.362.0	**REGP 7K-40** 16.378.0	**REGP 8K-40** 16.382.0

Caratteristiche di portata
Flow characteristics

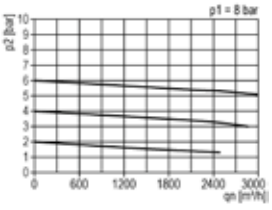
G1"



G1 1/2"

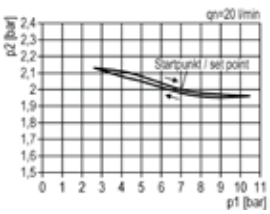


G2"

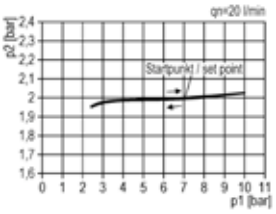


Isteresi
Hysteresis

G1"



G1 1/2 - G2"



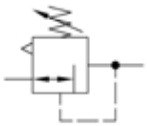
SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**J**	**S**
REGP 6K-20	16.362.0	ø125	113	61	48	117	G1/4
REGP 7K-40	16.378.0	ø125	118	71	52	119	G1/4
REGP 8K-40	16.382.0	160	124	92	106	-	-

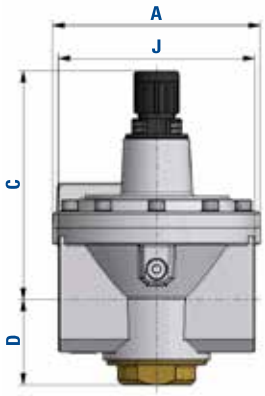
DIMENSIONI
DIMENSIONS

Regolatore di pressione con manometro

Pressure regulator with manometer

- Regolatore di pressione a membrana con scarico sovrapressione (relieving), con manometro
  Diaphragm pressure regulator with relieving, with manometer
- Fluido: aria compressa, gas neutri
  Medium: compressed air, neutral gases





Materiali

Corpo: tecnopolimero
Guarnizioni: NBR
Parti interne: ottone e INOX

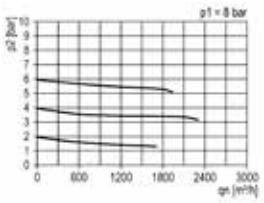
Materials

Body: technopolymer
Seals: NBR
Internal parts: brass and stainless steel

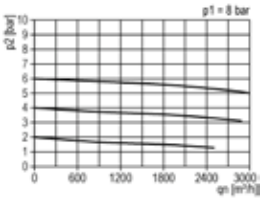
Attacchi *[Ports]*			**G1 1/2"**	**G2"**
Temperatura di esercizio °C *[Temperature range °C]*			-10°C ... +60°C	-10°C ... +60°C
Peso *[Weight]*			2.73 kg	5.52 kg
Pressione di alimentazione *Inlet pressure range*		$p_{1\,min}$ $p_{1\,max}$	1.5 bar 25 bar	1.5 bar 25 bar
Pressione di utilizzo *Outlet pressure range*		$p_{2\,min}$ $p_{2\,max}$	0.5 bar 16 bar	0.5 bar 16 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	31500 l/min	50000 l/min
CODICE DI ORDINAZIONE *ORDER CODE*			**REG 7K-25** 16.384.0	**REG 8K-25** 16.388.0

Caratteristiche di portata
Flow characteristics

G1 1/2"

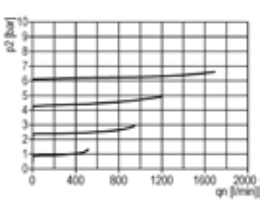


G2"



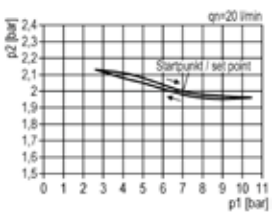
Caratteristiche di scarico
Exhaust characteristics

G1 1/2"

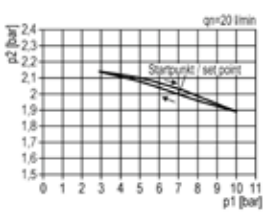


Isteresi
Hysteresis

G1 1/2"



G2"



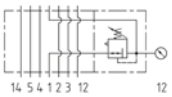
SIGLA *TYPE*	**CODICE DI ORDINAZIONE** *ORDER CODE*	**A**	**B**	**C**	**D**	**J**
REG 7K-25	16.384.0	ø125	118	138	52	119
REG 8K-25	16.388.0	160	124	157	106	-

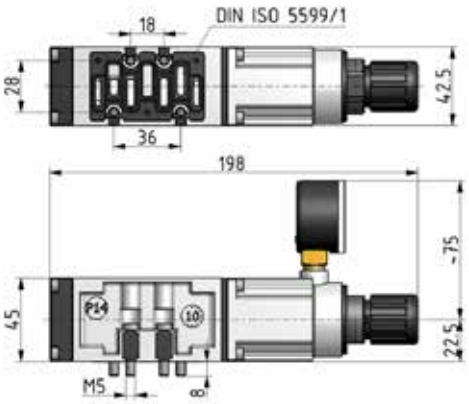
DIMENSIONI
DIMENSIONS

Regolatore di pressione su sottobase ISO 1

Pressure regulator on ISO 1 sub-base

- Regolatore di pressione a membrana con dispositivo di scarico
  Diaphragm-type pressure regulator with exhaust feature
- Fissaggio: su sottobase
  Assembling: on sub-base
- Connessioni: sottobase ISO 1 a norma VDMA 24563
  Ports: ISO 1 sub-base according to VDMA 24563





Materiali

Corpo: alluminio
Molle: INOX
Parti interne: ottone OT58
Manopola: polimero

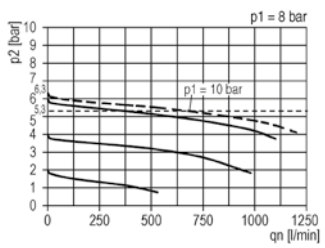
Materials

Body: aluminium
Springs: stainless steel
Internal parts: brass OT58
Knob: polymer

Temperatura di esercizio °C *Temperature range °C*		-10°C ... +60°C
Peso *Weight*		0.42 kg
Pressione di alimentazione *Inlet pressure range*	p_{min} p_{max}	1.5 bar 10 bar
Portata nominale *Nominal flow*	Q_{max}	600 l/min
CODICE DI ORDINAZIONE *ORDER CODE*		**16.266.0**

Caratteristiche di portata

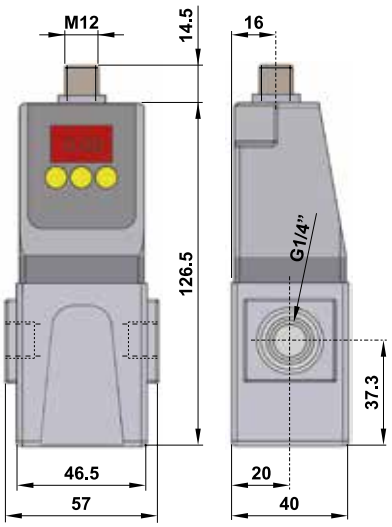
Flow characteristics



Regolatore proporzionale elettronico G1/4”

Electronically controlled proportional pressure regulator G1/4”

- Valvola di regolazione a pistone
  Piston-type pressure regulating valve
- Controllo elettronico remoto
  Remote electronic control
- Nessun consumo d’aria in condizioni di regolazione stabile
  No air consumption in steady conditions
- Display per visualizzazione e programmazione
  Display for data viewing and programming
- Installazione verticale; staffa di fissaggio a richiesta
  Vertical installation; bracket on request



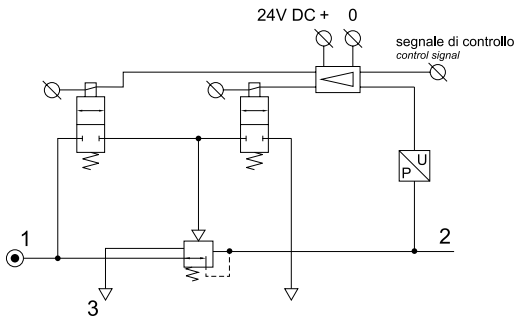
Materiali

Molle: INOX
Guarnizione: NBR
Parti interne: alluminio e INOX
Parti esterne: polimeri rinforzati

Materials

Springs: stainless steel
Seals: NBR
Internal parts: aluminium and stainless steel
External parts: reinforced polymer

Schema pneumatico
Pneumatic diagram



Attacchi *[Ports]*	**G1/4”**
Temperatura di esercizio °C *[Temperature range °C]*	max +50°C
Fluido *[Fluid]*	Aria filtrata 40µ con o senza lubrificazione *40µ filtered, lubricated or non lubricated air*
Peso *[Weight]*	290 g
CODICE DI ORDINAZIONE *ORDER CODE*	**RPE 2V NA** 16.175.0

normalmente aperto
normally open

Caratteristiche pneumatiche - *Pneumatic characteristics*

Pressione di alimentazione (p1 ≥ p2 + 0.1 · p2) *Inlet pressure range*		$P_{1\,min}$ $P_{1\,max}$	0.5 bar 10.5 bar
Pressione di utilizzo *Outlet pressure range*		$P_{2\,min}$ $P_{2\,max}$	0.2 bar 10 bar
Portata massima *Maximum flow rate*	p_1 = 10 bar; p_2 = 6.3 bar	Q_n	1000 l/min
Isteresi *Hysteresis*		% $p_{2\,max}$	1.3
Linearità *Linearity*		% $p_{2\,max}$	<0.5

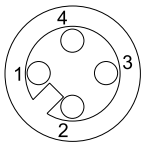
Regolatore proporzionale elettronico G1/4”

Electronically controlled proportional pressure regulator G1/4”

Caratteristiche elettriche *- Electrical characteristics*

Voltaggio nominale *[Nominal voltage]*	U_N	24V DC ±10%
Oscillazione residua *[Residual ripple]*		10%
Potenza *[Power]*		1.1 W
Tensione del segnale di regolazione *[Tension of set value input]*	U_W	0-10 V
Intensità del segnale di regolazione *[Current intensity of set value input]*	I_W	4-20 mA
Resistenza in ingresso *[Input resistance]*	R_E	100 kΩ
Protezione elettrica secondo DIN 40050, EN 60529 *[Electrical protection according to DIN 40050, EN 60529]*		IP 65

Schema di collegamento
Connection diagram



Punto 1 (marrone):
Alimentazione (polo positivo) +24V DC ±10% 0.15 A
Oscillazione residua ammessa fino a 10%

Pin 1 (brown)*: Power supply +24V DC ±10% 0.15A, residual ripple 10%*

Punto 2 (bianco): Ingresso del segnale di regolazione: tensione da 0 a 10V.
Pin 2 (white)*: Set value input. Voltage 0-10V.*

Punto 3 (blu): Alimentazione 0V
Pin 3 (blue)*: Power supply 0V*

Punto 4 (nero): Segnale 24V di allarme in uscita (1kΩ)
Pin 4 (black)*: 24V alarm output signal (1kΩ)*

Il regolatore proporzionale può essere comandato elettronicamente mediante un segnale analogico da 0 a 10V.
Tramite il software e il display la regolazione in ingresso può essere commutata in 4-20 mA (500Ω).
Anche il campo della pressione di alimentazione può essere variato modificando l’opportuno parametro.
Quando la pressione di uscita rientra nella banda di segnale, viene fornito un segnale in uscita a 24V DC, PNP Ri = 1kΩ. Fuori dalla banda di segnale questo collegamento è posto a 0V.

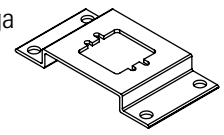
The proportional regulator can be electronically controlled by an analogic signal from 0 to 10V. The user can change the parameter by the internal software and display to control the regulator by a signal from 4 to 20mA (500Ω).
The inlet pressure range can also be changed by an internal parameter. As soon as the output pressure is within the signal band a signal is given of 24V DC, PNP Ri = 1 kΩ. Outside the signal band this connection is 0V.

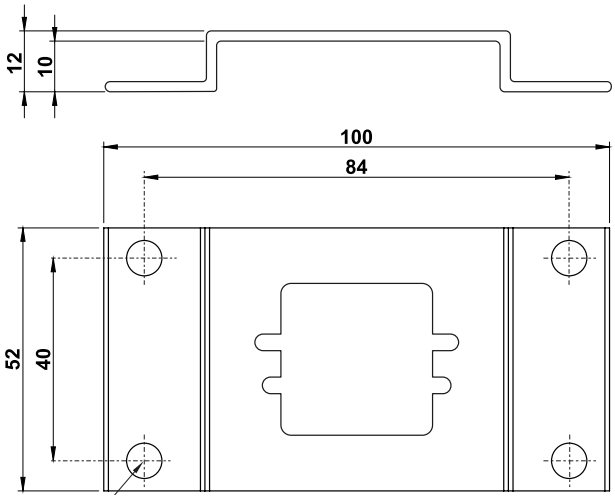
16.180.0: Connettore M12, 4 poli, con morsetti
16.180.0: *Connector M12, 4 pins, with clamps*

Staffe di fissaggio
Mounting brackets

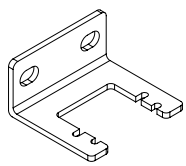
Le staffe di fissaggio devono essere acquistate separatamente
Mounting brackets are bought separately

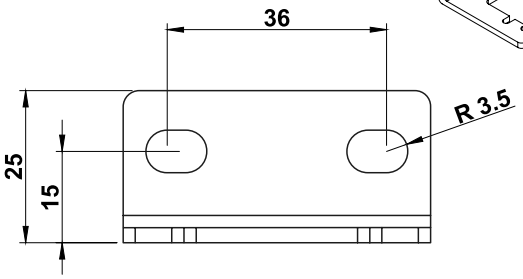
16.176.0: per montaggio su barra omega
16.176.0: *for omega-profile*

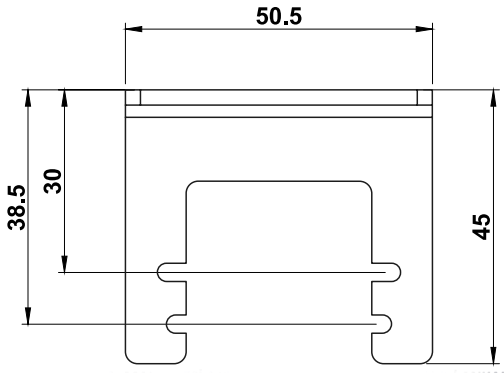




16.177.0: piedino
16.177.0: *foot mounting*



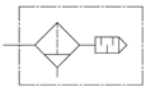




Filtro silenziatore

Filter silencer

- 3 filtri a coalescenza graduata
  3 graduated coalescence filters
- Scarico: troppo pieno per tubo diametro interno 6 mm
  Drain: overflow for tube internal diameter 6 mm
- Montaggio: verticale, filettatura di collegamento in alto e di lato
  Mounting: vertically, connection thread on the top and on the side
- Efficienza del filtro 99.99%
  Filter efficiency: 99.99%
- Cambio filtro: minimo una volta all'anno
  Filter change: minimum once in a year

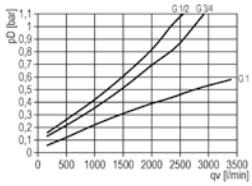


Materiali
Molle: INOX
Guarnizione: NBR
Parti interne: alluminio e INOX
Parti esterne: polimeri rinforzati

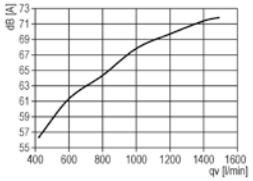
Materials
Springs: stainless steel
Seals: NBR
Internal parts: aluminium and stainless steel
External parts: reinforced polymer

Attacchi *[Ports]*			**G1/2"**	**G3/4"**	**G1"**
Temperatura di esercizio °C *[Temperature range °C]*			0 ... +60°C	0 ... +60°C	0 ... +60°C
Peso *[Weight]*			1.35 kg	1.55 kg	2.30 kg
Pressione di esercizio *Working pressure range*		p_{min} p_{max}	- 10 bar	- 10 bar	- 10 bar
Portata nominale *Nominal flow*	p = 6.3 bar; Δp = 1 bar	Q_{max}	1900 l/min	2700 l/min	3500 l/min (Δp = 0.3 bar)
CODICE DI ORDINAZIONE *ORDER CODE*			**AF-15** 16.385.0	**AF-20** 16.386.0	**AF-25** 16.387.0

Caratteristiche *Characteristics*



Espansione del rumore *Noise expansion*

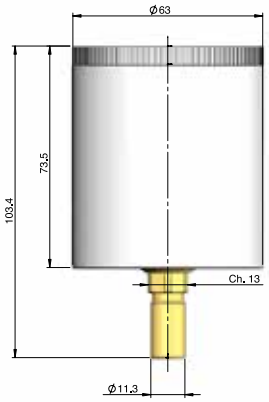


CODICE DI ORDINAZIONE *[ORDER CODE]*	**A**	**K**	**J**	**P**
16.385.0	ø90	215	26	15
16.386.0	ø90	215	26	15
16.387.0	ø110	300	32	15

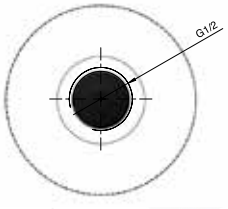
Scarico automatico di condensa per serbatoio

Automatic condensate drain for tank

- Il drenaggio automatico è dotato di un attacco G1/2" e deve essere installato verticalmente nelle aree più basse di un sistema pneumatico.
  The automatic drip drain is G1/2" ported and should be installed vertically in the lowest areas of a pneumatic system.
- Installazione dello scarico automatico all'interno del corpo.
  Automatic drain installation inside the body.
- Per rimuovere lo scarico automatico, svitare il dado dell'inserto.
  To remove the automatic drain, unscrew the insert nut.
- Nota: Utilizzare solo olio o grasso a base minerale. Non utilizzare olii sintetici.
  Note: Use only mineral-based oil or grease. Do not use synthetic oils.



Attacchi *[Ports]*	G1/2"
Temperatura di esercizio °C *[Temperature range °C]*	max 80°C
Pressione di esercizio *[Working pressure]*	da 0.68 fino a 16 bar *[from 0.68 to 16 bar]*
CODICE DI ORDINAZIONE *[ORDER CODE*	**06D3NA** 16.214.2



Pressostato elettronico

Electronic pressure sensor

Modalità di funzionamento

Questo sensore di pressione elettronico, con i suoi campi di pressione positivi e negativi, è adatto per una varietà di applicazioni: monitora l'alimentazione di aria compressa di un sistema, misura la pressione del sistema in un controllo pneumatico, determina la pressione di aspirazione di una ventosa.
Ha una connessione filettata G1/4" sul lato inferiore del corpo e un'altra connessione filettata G1/4" sul retro del corpo.
Offre inoltre la possibilità di essere montato su profilo omega DIN.
Per il montaggio a pannello è disponibile l'adattatore **26.274.0**.

Le uscite di commutazione sono programmabili: PNP, NPN, push-pull.
L'uscita analogica opzionale rileva automaticamente se il controllo collegato richiede un segnale di corrente o di tensione e si regola automaticamente.
I segnali di uscita analogici possono essere invertiti per campi di misura negativi.

Device operation

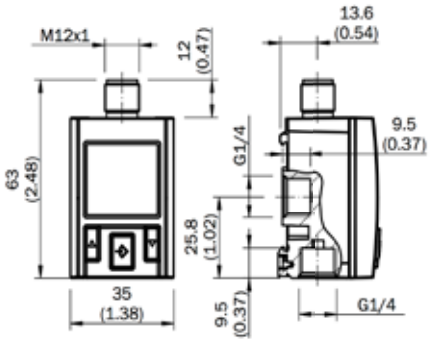
This electronic pressure sensor, with its positive and negative pressure ranges, is suitable for a variety of applications: it monitors the compressed air supply of a system, measures the system pressure in a pneumatic control, determines the suction pressure in a vacuum gripper. It has a G1/4" pressure connection on the bottom of the housing. It also has a second pressure connection with G1/4" thread on the back of the housing.
It can be assembled on DIN rail mounting.
*For panel mounting, the bracket **26.274.0** can be purchased.*

The switching outputs are programmable: PNP, NPN, push-pull.
The optional analog output automatically detects if the attached control requires a current or voltage output signal and adjusts automatically.
The analog output signals can be inverted specifically for negative measuring ranges.

Materiali
Corpo: policarbonato
Guarnizioni: gomma NBR

Materials
Body: polycarbonate
Seals: rubber NBR

Dimensioni in mm (pollici)
Dimensions in mm (inch)

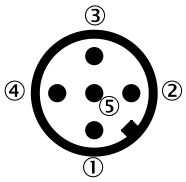


Attacchi *Ports*		**G1/4"**
Temperatura di esercizio °C *Temperature range °C*		-10°C ... +60°C
Peso *Weight*		50 g
Fluido *Fluid*		Aria filtrata 40µ con o senza lubrificazione *40µ filtered, lubricated or non lubricated air*
Pressione di alimentazione *Inlet pressure range*	$p_{1\ min}$ $p_{1\ max}$	-1 bar 10 bar
Consumo di corrente a 24V DC *Power consumption at 24V DC*		max. 40 mA
Voltaggio nominale *Nominal voltage*		17 ... 30V DC
Non linearità in relazione al campo di misura *Linearity related to measuring span*		< ±0.5%
Non linearità in relazione al campo di misura *Linearity related to measuring span*		< ±0.2%
Tensione del segnale in uscita *Tension of output value*		0-10 V
Intensità del segnale in uscita *Current intensity of output value*		4-20 mA
Resistenza in uscita per output in tensione *Output resistance for voltage output*		< 1 kΩ
Resistenza in uscita per output in intensità di corrente *Output resistance for current output*		< 600 Ω
Protezione elettrica secondo EN 60529 *Electrical protection according to EN 60529*		IP 65
CODICE DI ORDINAZIONE *ORDER CODE*		**26.273.0**

Collegamento elettrico
Electrical connection

Segnali di uscita *Output Signals*	*Configurazione dei Pin* *Pin assignment*
2x digitale analogico *2x digital analog*	L+ = 1, M = 3, Q_1 = 4, Q_2 = 2, Q_A = 5

L+: Positive supply connection
M: Negative supply connection
Q1: Switching output 1
Q2: Switching output 2
QA: Analog output

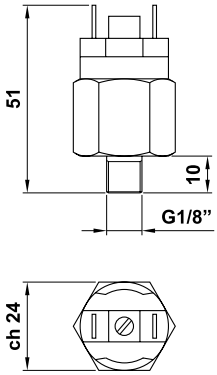


Connettore M12, 5 poli, con morsetti
Connector M12, 5 pins, with clamps

16.181.0

Pressostati

Pressure switches

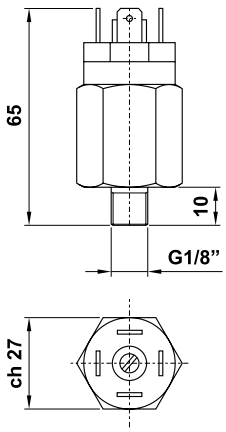


Materiali
Corpo: ottone OT58
Membrana: gomma FKM
Contatti: argentati

Materials
Body: brass OT58
Diaphragm: rubber FKM
Electrical contacts: silver plated

Temperatura di esercizio °C *Temperature range °C*	max +60°C
Campo di taratura *Setting range*	da 1 fino a 10 bar *[from 1 up to 10 bar]*
Tolleranza a 20°C *Tolerance at 20°C*	0.5 bar
Tensione massima *Max. tension*	48V AC
Fluido *Fluid*	Aria filtrata 50µ con o senza lubrificazione *50µ filtered, lubricated or non lubricated air*

CODICE DI ORDINAZIONE *[ORDER CODE]*	
NC *[NC]*	NA *[NO]*
17.005.0	**17.004.0**



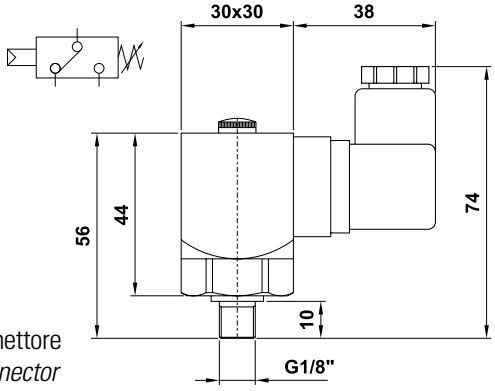
Materiali
Corpo: ottone OT58
Membrana: gomma FKM
Contatti: argentati

Materials
Body: brass OT58
Diaphragm: rubber FKM
Electrical contacts: silver plated

L’isteresi è regolabile fino al 40%.
The hysteresis can be adjusted, max 40%.

Temperatura di esercizio °C *Temperature range °C*	max +60°C
Campo di taratura *Setting range*	da 1 fino a 10 bar *[from 1 up to 10 bar]*
Tolleranza a 20°C *Tolerance at 20°C*	0.5 bar
Tensione massima *Max. tension*	250V AC
Isteresi standard *Standard hysteresis*	20%
Fluido *Fluid*	Aria filtrata 50µ con o senza lubrificazione *50µ filtered, lubricated or non lubricated air*

CODICE DI ORDINAZIONE *[ORDER CODE]*
NC - NA *[NC - NO]*
17.090.0



Materiali
Corpo: alluminio anodizzato e AVP passivato
Membrana: gomma FKM
Scatola elettrica: alluminio anodizzato

Materials
Body: aluminium and AVP steel
Diaphragm: rubber FKM
Electrical box: aluminium (anodize treatment)

Il prodotto è fornito con connettore
The product is sold with connector

Temperatura di esercizio °C *Temperature range °C*	max +60°C
Campo di taratura *Setting range*	da 1 fino a 10 bar *[from 1 up to 10 bar]*
Tolleranza a 20°C *Tolerance at 20°C*	0.2 bar
Tensione massima *Max. tension*	250V AC
Grado di protezione *Protection degree*	IP 65
Fluido *Fluid*	Aria filtrata 50µ con o senza lubrificazione *50µ filtered, lubricated or non lubricated air*

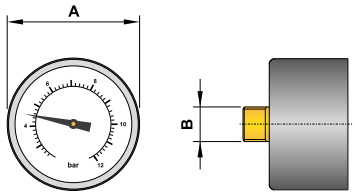
CODICE DI ORDINAZIONE *[ORDER CODE]*
NC - NA *[NC - NO]*
17.006.0

Accessori per gruppi trattamento aria

Accessories for air preparation units

manometro

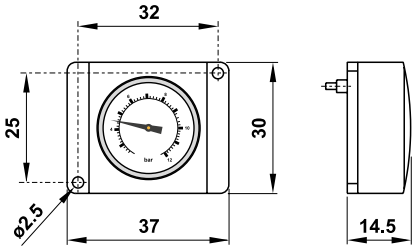
manometer



A	B	CODICE DI ORDINAZIONE *[ORDER CODE]*
ø40	G1/8"	**M40-00** - 17.001.0
ø50	G1/8"	**M50-00** - 17.002.0
ø50	G1/4"	**M50-01** - 17.054.0
ø63	G1/4"	**M63-00** - 17.003.0

manometro in plastica rettangolare

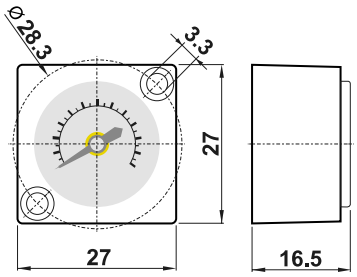
rectangular plastic manometer



Pressione di esercizio *Working pressure*	**CODICE DI ORDINAZIONE** *ORDER CODE*
da 0 fino a 12 bar *[from 0 to 12 bar]*	**16.186.0**
da 0 fino a 6 bar *[from 0 to 6 bar]*	**16.195.0**

manometro quadrato per serie mini

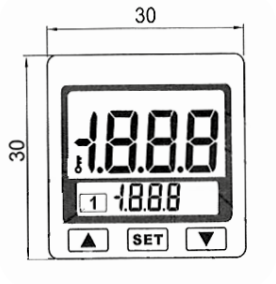
square manometer for mini series



Pressione di esercizio *Working pressure*	**CODICE DI ORDINAZIONE** *ORDER CODE*
da 0 fino a 9 bar *[from 0 to 9 bar]*	**16.389.0**

manometro digitale

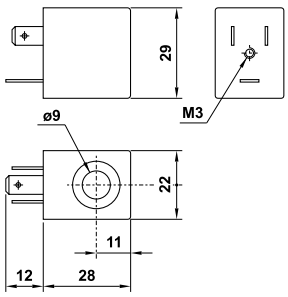
digital manometer

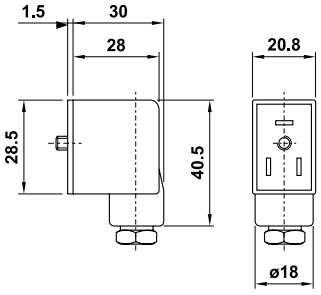


Pressione di esercizio *Working pressure*	**CODICE DI ORDINAZIONE** *ORDER CODE*
da 0 fino a 10 bar *[from 0 to 10 bar]*	**17.115.0**

bobine e connettori 22 mm

22 mm coils and connectors





codice - *code*	**tensione** *tension*	**consumo** - *power*	
		a regime - *rated*	**di spunto** - *inrush*
00.028.0	24V DC	3W	
00.029.0	24V AC 50/60Hz	3W	
00.030.0	110V AC 50/60Hz	5VA	7.5VA

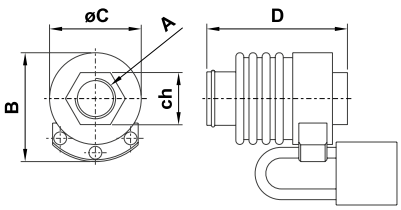
codice - *code*	**colore** - *colour*	**cavo** - *cable*	**tipo** - *type*
00.197.0	nero - *black*	PG09	standard
00.344.0	trasparente con LED *transparent with LED*	PG09	con LED 24V AC&DC *with LED 24V AC&DC*
00.346.0	trasparente con LED *transparent with LED*	PG09	con LED 115V AC *with LED 115V AC*

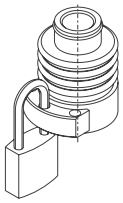
Accessori per gruppi trattamento aria

Accessories for air preparation units

valvole a corsoio lucchettabili

lockable slide valves





Attacchi *[Ports]*	G1/4"; G1/2"
Temperatura di esercizio °C *Temperature range °C*	max +60°C
Pressione di esercizio *Working pressure*	da 1 fino a 10 bar *[from 1 to 10 bar]*
Fluido *Fluid*	Aria filtrata 50µ con o senza lubrificazione *50µ filtered, lubricated or non lubricated air*

CODICE DI ORDINAZIONE *ORDER CODE*	A	B	C	D	ch
18.010.0	G1/4"	35.6	30	46	17
18.013.0	G3/8"	45.1	40	62	26
18.011.0	G1/2"	45.1	40	62	26

18.012.0	Lucchetto (venduto separatamenete) *Padlock (sold separately)*

valvole sezionatrici a corsoio

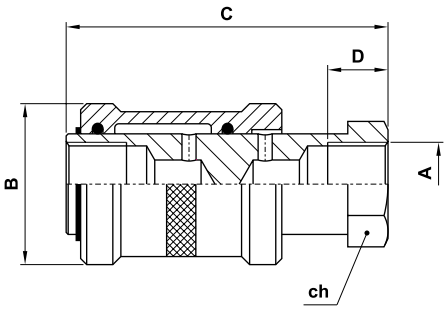
shut-off slide valves

Materiali

Corpo: ottone OT58
Guarnizioni: NBR
Corsoio: alluminio

Materials

Body: brass OT58
Seals: NBR
Slide: aluminium



Attacchi *[Ports]*	M5; G1/8"; G1/4"; G3/8"; G1/2"; G1"
Temperatura di esercizio °C *Temperature range °C*	max +60°C
Pressione di esercizio *Working pressure*	da 1 fino a 10 bar *[from 1 to 10 bar]*
Fluido *Fluid*	Aria filtrata 50µ con o senza lubrificazione *50µ filtered, lubricated or non lubricated air*

MODELLO *MODEL*	CODICE DI ORDINAZIONE *ORDER CODE*	A	B	C	D	ch
AZ-CRSM	18.005.0	M5	ø14	30.5	8	10
AZ-CRS1	18.001.0	G1/8"	ø25	48	10	14
AZ-CRS2	18.002.0	G1/4"	ø30	58	12	17
AZ-CRS3	18.003.0	G3/8"	ø35	68	12	22
AZ-CRS4	18.004.0	G1/2"	ø40	75	15	27
AZ-CRS5	18.009.0	G1"	ø56	80	14	39

Olio per gruppi trattamento aria

oil for air preparation units

- Tipo di olio: VG32 - ISO3448
  Oil type: VG32 - ISO3448
- Consigliato per lubrificatori d'aria
  Recommended for air lubricators
- Contenitore da 1 litro
  Can capacity 1 liter

Istruzioni per l'uso:

Riempire la tazza del lubrificatore fino al livello raccomandato. Regolare, ove possibile, il flusso di olio a circa 2 gocce al minuto. Non usare a temperature inferiori a +5°C.

Instructions for use:

Fill the lubricator to the recommended level. Regulate, where possible, the oil flow at about 2 drops/minute. Do not use at temperatures below +5°C

Dati tecnici

Densità a 15°C: 0.8655 g/ml
Densità a 20°C: 0.8621 g/ml
Viscosità cinematica a 40°C: 30.1205 mm^2/s
Indice di viscosità: 109
Temperatura di fiamma all'aperto: 208°C
Temperatura di fiamma al chiuso: 196°C
Temperatura di scorrimento: sotto -15°C

Technical data

Density at 15°C: 0.8655 g/ml
Density at 20°C: 0.8621 g/ml
Kinematic viscosity at 40°C: 30.1205 mm^2/s
Viscosity index: 109
Flash point in open space: 208°C
Flash point in closed space: 196°C
Pour point: below -15°C

Codice di ordinazione
Order code
16.172.0

Ricambi

Spare parts

descrizione *description*			dimensione *size*	codice di ordinazione *order code*
	TAZZA PER LUBRIFICATORE *bowl for lubricator*		G1/4" MINI	16.284.0
			G1/4"- G3/8"	16.309.0
			G1/2"	16.275.0
			G1"	16.271.0
	TAZZA PER FILTRO *bowl for filter*	SCARICO SEMIAUTOMATICO *semi-automatic exhaust*	G1/4" MINI	16.282.0
			G1/4"- G3/8"	16.320.0
			G1/2"	16.349.0
			G1"	16.270.0
	TAZZA PER FILTRO *bowl for filter*	SCARICO AUTOMATICO *automatic exhaust*	G1/4" MINI	16.283.0
			G1/4"- G3/8"	16.319.0
			G1/2"	16.337.0
			G1"	16.357.0
	ELEMENTO FILTRANTE *filter element*	5 µm	G1/4" MINI	16.285.0
		5 µm	G1/4"- G3/8"	16.285.0
		5 µm	G1/2"	16.276.0
		5 µm	G1"	16.272.0
	ELEMENTO FILTRANTE MICROFILTRO *microfilter element*		G1/4" MINI	16.286.0
			G1/4"- G3/8"	16.280.0
			G1/2"	16.277.0
			G1"	16.273.0
	ELEMENTO FILTRANTE CARBONE ATTIVO *activated carbon filter element*		G1/4" MINI	16.287.0
			G1/4"- G3/8"	16.281.0
			G1/2"	16.278.0
			G1"	16.274.0

pneumatica

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