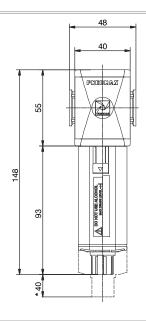
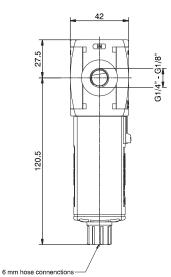
Flow rate curves

Filter (F)

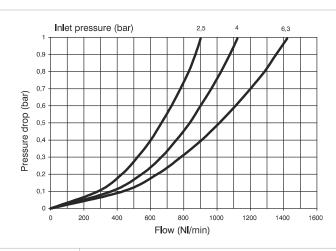






*Bowl removal maximum height

Example: T171BFB: size 1, Filter with Technopolymer threads, $G1/4^{\circ}$ connections, 20 μ m filter pore size



Operational characteristics

- Double filtering action: air flow centrifugation and filter element
 Filtering element made of HDPE (high density polyethylene)
- available in three different filtration grades (5µm, 20µm and 50µm) can be regenerated by washing it or replaced.
- Transparent bowl made off polycarbonate with bowl protection guard.
- Bowl assembly via bayonet type quick coupling mechanism with safety button.
- Semi-automatic drain mounted as standard; automatic drain upon request

Note

In order to ensure adequate flow on the auto drain version it is recommended to use minimum a 6mm fitting.

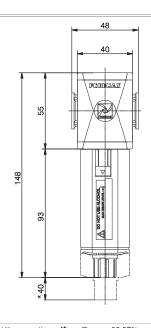
Technical characteristics

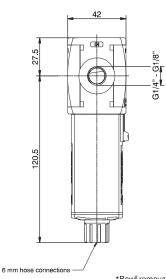
Connections	G 1/8" - G 1/4"		Ordering code		
Max. inlet pressure	13 bar				
Minimum working pressure	0,5 bar		Ø 171 @F©		
with automatic drain	atic drain		VERSION		
Maximum working pressure		V	N = Metal inserts		
with automatic drain	10 bar		T = Technopolymer thread		
	tomatic drain	-	CONNECTIONS		
Working temperature	-5°C +50°C		A = G1/8"(only for "N" version)		
Weight with Technopolymer threads	gr. 120	•	B = G1/4"		
Weight with threaded inserts	gr. 130		C = G1/4" NPT(only for "N" version)		
weight with threaded inserts	gi. 130	-	FILTER PORE SIZE		
Filter pore size	5 μm - 20 μm - 50 μm	8	$A = 5 \mu m$		
Bowl capacity	18 cm ³	0	$B = 20 \mu m$		
Assembly positions	Vertical		$C = 50 \mu\text{m}$		
Assembly positions Vertical	vertical	-	OPTIONS		
Max. fitting torque	G1/4" = 9 Nm	0	= Standard *		
(with Technopolymer threads)	G1/4 = 314111		S = Automatic drain		
Max. fitting torque	G1/8" = 15 Nm				
(with threaded inserts)	G1/4" = 20 Nm				

^{*} no additional letter required

Coalescing filter (D)

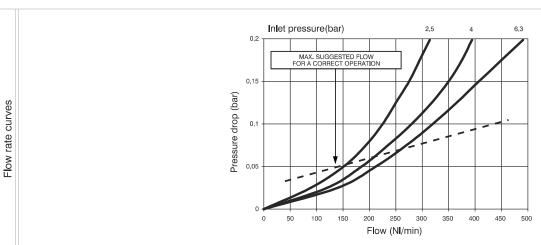






*Bowl removal maximum height

Example: T171BDA: Coalescing size 1, Filter with Technopolymer threads, G1/4" connections, filter efficency 99,97%



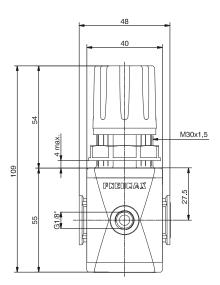
Operational characteristics **Technical characteristics** Coelesing filter element with filtration grade of $0.01\mu m$ G 1/8" - G 1/4" Connections Ordering code Transparent bowl made off polycarbonate with Max. inlet pressure 13 bar **Ø**171**@**D**@@** bowl protection guard. Minimum working pressure 0,5 bar Bowl assembly via bayonet type quick coupling with automatic drain VERSION mechanism with safety button. N = Metal inserts Maximum working pressure 10 bar T = Technopolymer thread Semi-automatic drain mounted as standard; with automatic drain CONNECTIONS automatic drain upon request -5°C +50°C Working temperature A = G1/8"(only for "N" version) B = G1/4" Weight with Technopolymer threads Note gr. 125 C = G1/4" NPT(only for 'N' version) Weight with threaded inserts In order to ensure a better grade of filtration it is recommended gr. 135 FILTER EFFICIENCY to use a 5 μ m filter before the coalescing filter. In order to ensure Filter efficiency A = 99,97% 99,97% OPTIONS with 0,01 μ m particle adequate flow on the auto drain version it is recommended to = Standard * Bowl capacity 18cm³ use minimum a 6mm fitting. S = Automatic drain Assembly positions Vertica Max. fitting torque G1/4" = 9 Nm (with Technopolymer threads) Max. fitting torque G1/8" = 15 NmG1/4" = 20 Nm(with threaded inserts)

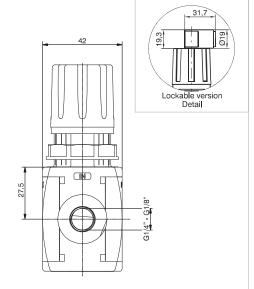
Regulator (R)



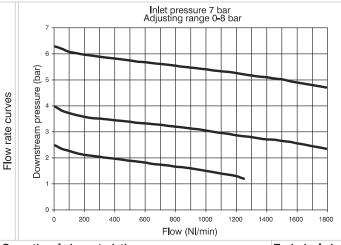
Size 1

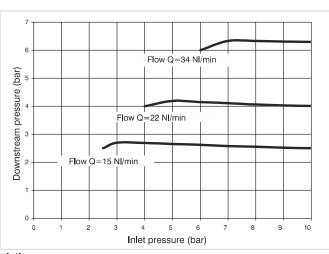
Series Airplus





Example: T171BRC: size 1, Regulator with Technopolymer threads, G1/4" connections, 0 to 8 bar adjusting range



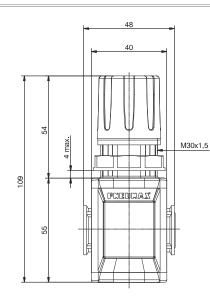


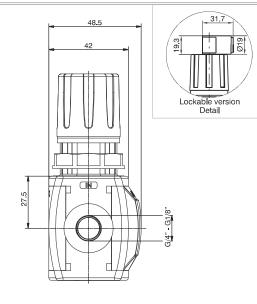
Operational characteristics	Technical characteristics			
- Diaphragm pressure regulator with relieving.	Connections	G 1/8" - G 1/4"		Ordering code
- Low hysteresis rolling diaphragm.	Max. inlet pressure	13 bar		
- Balanced system.	Working temperature	-5°C +50°C		Ø 171 @ R ©©
- Available in four pressure ranges up to 12 bar.	Pressure gauge connections	G 1/8"		VERSION
- Operating knob can be locked in position by pressing it	Weight with Technopolymer threads	gr. 130	V	N = Metal inserts
down once the desired P2 (regulated pressure)	Weight with threaded inserts	gr. 140	_	T = Technopolymer thread CONNECTIONS
pressure value is achieved.	Dreadure rende	0-2 bar / 0-4 bar	0	A = G1/8"(only for "N" version)
- Fitted with panel mounting locking ring.	Pressure range	0-8 bar / 0-12 bar	9	B = G1/4"
Note	Assembly positions	Indifferent	_	C = G1/4" NPT(only for "N" version)
The pressure must be always regulating while increasing. For	Max. fitting torque	G1/8" = 4 Nm		ADJUSTING RANGE A = 0-2 bar
, , , , ,	(with Technopolymer threads)	G1/4" = 9 Nm	©	B = 0-4 bar
	(,			C = 0-8 bar
a more precise regulation and higher sensibility, the use of a egulator with a pressure range as close as possible to the egulated pressure is recommended.				D = 0-12 bar TYPE
regulated pressure is recommended.				= Standard *
	May fitting towns	04/011 45 N		F = Controlled refiel +
	Max. fitting torque	G1/8" = 15 Nm	0	improved relieving
	(with threaded inserts)	G1/4" = 20 Nm		L = no relieving
				R = Improved relieving
				OPT I ONS
			0	= Standard *
				K = Lockable version

Adjustment characteristics

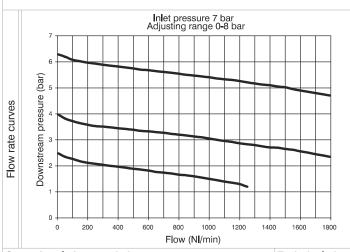


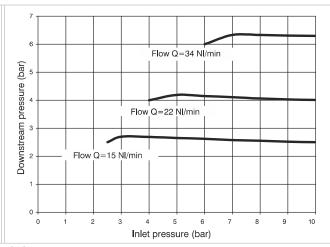






Example: T171BRMC: size 1, Regulator including gauge with Technopolymer threads, G1/4" connections, 0 to 8 bar adjusting range





G 1/8" - G 1/4"

Operational characteristics	
-----------------------------	--

Technical characteristics

Connections

Adjustment characteristics

- Diaphragm pressure regulator with relieving.
- Low hysteresis rolling diaphragm.
- Balanced system.
- Available in four pressure ranges up to 12 bar.
- Operating knob can be locked in position by pressing it down once the desired P2 (regulated pressure) pressure value is achieved.
- Fitted with panel mounting locking ring.
- Integrated manometer 0-12 bar as standard
- (for 0-8 and 0-12 bar range) and 0-4 bar (for 0-2 and 0-4 range)

N	ote	

The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

Max. inlet pressure	13 bar	
Working temperature	-5°C +50°C	
Weight with Technopolymer threads	gr. 140	
Weight with threaded inserts	gr. 150	V
Pressure range	0-2 bar / 0-4 bar	-
Tressure range	0-8 bar / 0-12 bar	6
Assembly positions	Indifferent	_
Max. fitting torque	G1/4" = 9 Nm	
(with Technopolymer threads)	G1/4 - 3 WIII	•
		_

G1/8" = 15 Nm
G1/4" = 20 Nm

0 171 0 R 000		
	VERSION	
V	N = Metal inserts	
	T = Technopolymer thread	
	CONNECTIONS	
A	A = G1/8"(only for "N" version)	
9	B = G1/4"	
	C = G1/4" NPT(only for "N" version)	
	FLOW DIRECTION	
D	M = from left to right	
	W = from right to left	
	ADJUSTING RANGE	
G	A = 0-2 bar	
	B = 0-4 bar	
	C = 0-8 bar	
	D = 0-12 bar	
	TYPE	
	= Standard *	
	F = Controlled refiel +	
	©D	

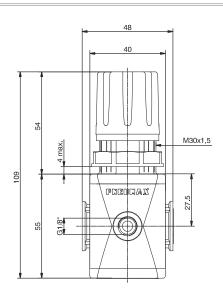
Ordering code

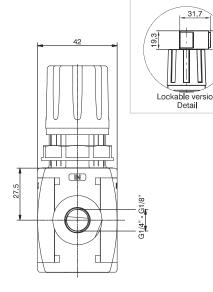
K = Lockable version * no additional letter required

improved relieving L = no relieving R = Improved relieving OPTIONS = Standard *

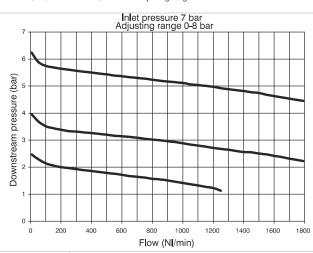
Modular pressure regulator (B)







Example: T171BBC : size 1, Regulator with Technopolymer threads, G1/4" connections, 0 to 8 bar adjusting range



Operational characteristics

- Diaphragm pressure regulator with relieving.

Flow rate curves

Technical characteristics

(with threaded inserts)

- Low hysteresis rolling diaphragm.				
- Balanced system.				
- Available in four pressure ranges up to 12 bar.				
- Operating knob can be locked in position by pressing it				
down once the desired P2 (regulated pressure)				
pressure value is achieved.				
- G1/8" output front connection.				
- Air supply can be applied by both directions.				
Note				
The pressure must be always regulating while increasing. For				
a more precise regulation and higher sensibility, the use of a				
regulator with a pressure range as close as possible to the				
regulated pressure is recommended.				

Connections	G 1/8" - G 1/4"	
Max. inlet pressure	13 bar	H
Working temperature	-5°C +50°C	
Pressure gauge connections	G 1/8"	ľ
Weight with Technopolymer threads	gr. 130	1
Weight with threaded inserts	gr. 140	-
Pressure range	0-2 bar / 0-4 bar	
Tressure range	0-8 bar / 0-12 bar	ľ
Assembly positions	Indifferent	ŀ
Max. fitting torque	G1/8" = 4 Nm	
(with Technopolymer threads)	G1/4" = 9 Nm	1
		r
Max. fitting torque	G1/8" = 15 Nm	

G1/4" = 20 Nm

-	
	VERSION
V	N = Metal inserts
	T = Technopolymer thread
CONNECTIONS	
0	A = G1/8"(only for "N" version)
•	B = G1/4"
	C = G1/4" NPT(only for "N" version)
-	ADJUSTING RANGE
	A = 0-2 bar
G	B = 0-4 bar
1	C = 0-8 bar
	D = 0-12 bar
	TYPE
	= Standard *
0	F = Controlled refiel +
•	improved relieving
	L = no relieving
	R = Improved relieving
	OPTIONS
0	= Standard *
	K = Lockable version

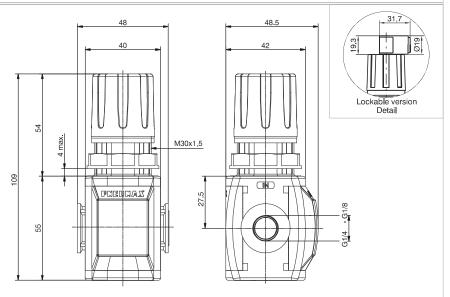
Ordering code

171@B@@0

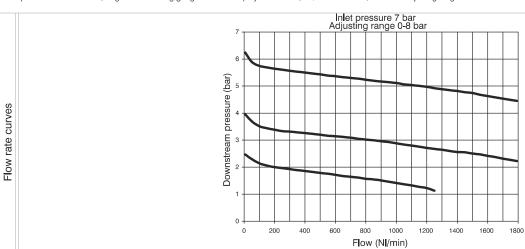
^{*} no additional letter required

Modular pressure regulator including manometer (M)





Example: T171BMC: size 1, Regulator including gauge with Technopolymer threads, G1/4" connections, 0 to 8 bar adjusting range



Operational characteristics

Technical characteristics

- Diaphragm pressure regulator with relieving.
- Low hysteresis rolling diaphragm.
- Balanced system.
- Available in four pressure ranges up to 12 bar.
- Operating knob can be locked in position by pressing it down once the desired P2 (regulated pressure) pressure value is achieved.
- G 1/8" output connection positioned on the opposite side of the built in gauge.
- Air supply can be applied by both directions.
- Integrated manometer 0-12 bar as standard
- (for 0-8 and 0-12 bar range) and 0-4 bar (for 0-2 and 0-4 range)

Note

The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

G 1/8" - G 1/4"	Ordering code
13 bar	
-5°C +50°C	Ø 171 @M@@
gr. 140	VERSION
gr. 150	N = Metal inserts
0-2 bar / 0-4 bar	T = Technopolymer thread
0-8 bar / 0-12 bar	CONNECTIONS A = G1/8"(only for "N" version)
Indifferent	B = G1/4"
	C = G1/4" NPT(only for 'N' version
·	ADJUSTING RANGE
G1/4" = 9 Nm	A = 0-2 bar
	6 B = 0-4 bar
	C = 0-8 bar
	D = 0-12 bar
	TYPE
	= Standard *
G1/8" = 15 Nm	F = Controlled refiel +
G1/4" = 20 Nm	improved relieving
2., . 2011	L = no relieving
	R = Improved relieving
	Standard *
	13 bar -5°C +50°C gr. 140 gr. 150 0-2 bar / 0-4 bar 0-8 bar / 0-12 bar Indifferent G1/8" = 4 Nm G1/4" = 9 Nm

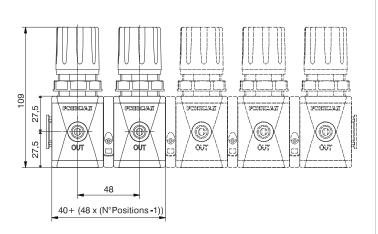
K = Lockable version

* no additional
letter required

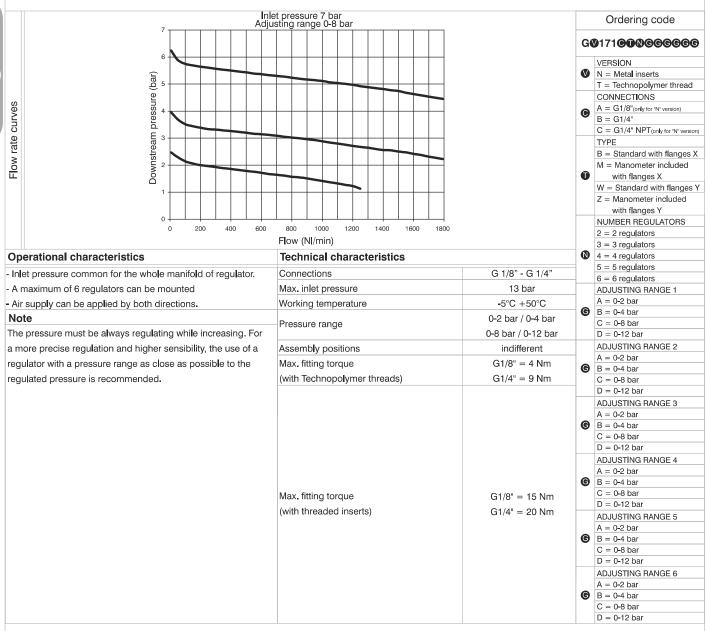


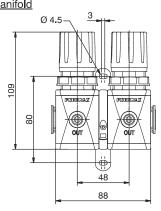
Manifold pressure regulators

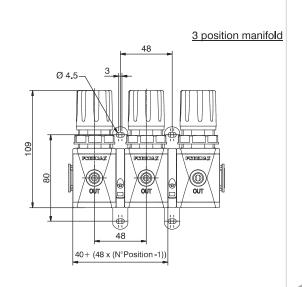




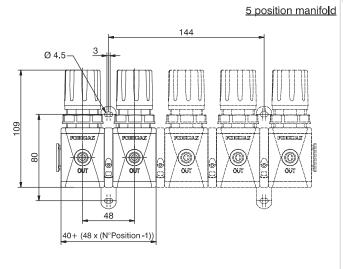
Example: GT171BB4CCCC: Combined group comprising 4 size 1 Regulators Technopolymer threads, G1/4" connections and 0 to 8 bar adjusting range



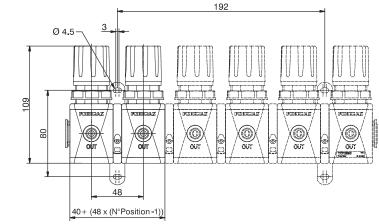




4 position manifold 96 Ø 4.5 109 80 40+ (48 x (N°Position-1))



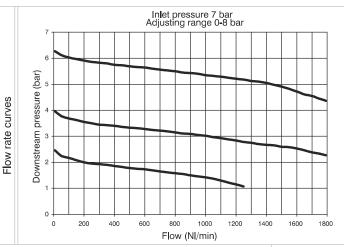
6 position manifold

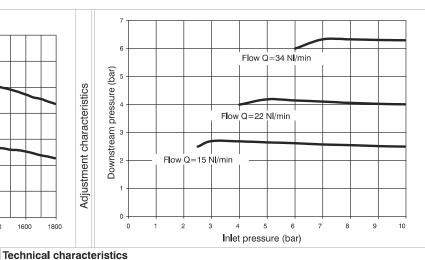




Filter-Regulator (E) M30x1.5 202 *Bowl removal maximum height

Example: T171BEBC: size 1, Filter-regulator with Technopolymer threads, G1/4" connections, 20 μ m filtering pore size, 0 to 8 bar adjusting range





G 1/8" - G 1/4"

Operational characteristics

- Filter diaphragm pressure regulator with relieving.
- Low hysteresis rolling diaphragm.
- Double filtering action: air flow centrifugation and filter element. with automatic drain
- Filtering element made of HDPE (high density polyethylene) available in three different filtration grades (5 μ m, 20 μ m and 50µm) can be regenerated by washing it or replaced.
- Transparent bowl made of polycarbonate with bowl protection guard.
- Bowl assembly via bayonet type quick coupling mechanism with safety button.
- Semi-automatic drain mounted as standard; automatic drain upon request
- Available in four pressure ranges up to 12 bar.
- Operating knob can be locked in position by pressing it down once the desired P2 (regulated pressure) pressure value is achieved.
- Fitted with panel mounting locking ring.

Note

The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended. In order to ensure adequate flow on the auto drain version it is recommended to use minimum a 6mm fitting.

Coni	nections	
May	inlet pressure	

13 bar Max. inlet pressure Minimum working pressure 0.5 bar Maximum working pressure 10 bar with automatic drain Working temperature -5°C +50°C Pressure gauge connections G 1/8" Weight with Technopolymer threads gr. 190 Weight with threaded inserts gr. 200 0-2 bar / 0-4 bar Pressure range 0-8 bar / 0-12 bar Filter pore size $5 \,\mu\text{m}$ = 20 μm = 50 μm Bowl capacity 18 cm³ Assembly positions Vertical G1/8" = 4 NmMax. fitting torque (with Technopolymer threads) G1/4" = 9 Nm

G1/8" = 15 Nm G1/4" = 20 Nm

Ordering code **♥171@E@@@**

VERS**I**ON

V	N = Metal inserts
	T = Technopolymer thread
0	CONNECTIONS
	A = G1/8"(only for "N" version)
	B = G1/4"
	C = G1/4" NPT(only for "N" version)
	FILTER PORE SIZE
	$A = 5 \mu m$
	$B = 20 \mu m$
	C = 50 um

 $C = 50 \, \mu m$ ADJUSTING RANGE A = 0-2 barB = 0-4 bar C = 0-8 bar

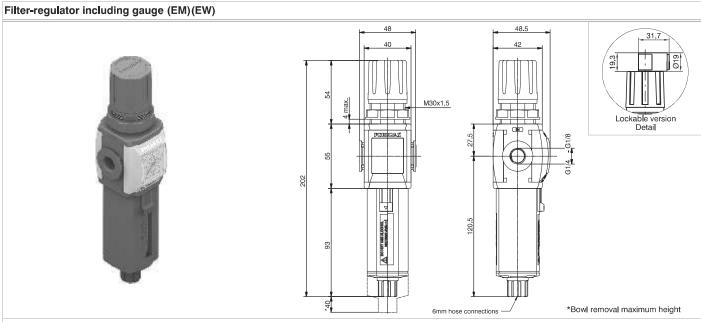
D = 0-12 bar TYPE = Standard * S = Automatic drain **OPTIONS**

= Standard * K = Lockable version

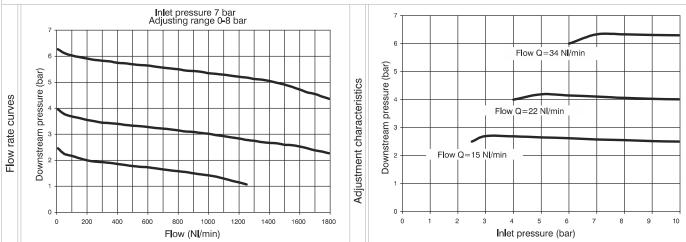
* no additional letter required

Max. fitting torque

(with threaded inserts)



Example: T171BEMBC: size 1, Filter-Regulator including gauge with Technopolymer threads, G1/4" connections, with 20 µm filtering pore size, 0 to 8 bar adjusting range



Operational characteristics

- Filter diaphragm pressure regulator with relieving.
- Low hysteresis rolling diaphragm.
- Balanced system.
- Double filtering action: air flow centrifugation and filter element.
- Filtering element made of HDPE (high density polyethylene) available in three different filtration grades (5μ m, 20μ m and 50μ m) can be regenerated by washing it or replaced.
- Transparent bowl made off polycarbonate with bowl protection guard.
- Bowl assembly via bayonet type quick coupling mechanism with safety button.
- Semi-automatic drain mounted as standard;
 automatic drain upon request
- Available in four pressure ranges up to 12 bar.
- Operating knob can be locked in position by pressing it down once the desired P2 (regulated pressure) pressure value is achieved.
- Fitted with panel mounting locking ring.
- Integrated manometer 0-12 bar as standard

(for 0-8 and 0-12 bar range) and 0-4 bar (for 0-2 and 0-4 range)

Note

The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended. In order to ensure adequate flow on the auto drain version it is recommended to use minimum a 6mm fitting.

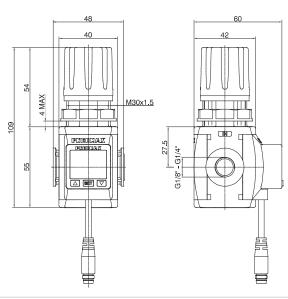
Technical characteristics

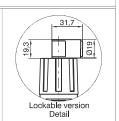
Connections	G 1/8" - G 1/4"		Ordering code	
Max, inlet pressure	13 bar		Ø171@E 0 \$@ 0 @	
Minimum working pressure	0.5 bar			
with automatic drain	,		VERSION	
Maximum working pressure		V	N = Metal inserts	
with automatic drain	10 bar		T = Technopolymer thread	
		-	CONNECTIONS	
Working temperature	-5°C +50°C	0	A = G1/8"(only for "N" version)	
Weight with Technopolymer threads	gr. 200		B = G1/4"	
Weight with threaded inserts	gr. 210	_	C = G1/4" NPT(only for "N" version)	
Weight with threaded macris		۱_	FLOW DIRECTION	
Pressure range	0-2 bar / 0-4 bar	0	M = from left to right	
- researchange	0-8 bar / 0-12 bar		W = from right to left	
Filter pore size	5 μm - 20 μm - 50 μm		FILTER PORE SIZE	
· ·		8	$A = 5 \mu m$	
Bowl capacity	18 cm³	_ _	B = 20 μm	
Assembly positions	Vertical		$C = 50 \mu\text{m}$	
Max. fitting torque			ADJUSTING RANGE	
	G1/4" = 9 Nm		A = 0-2 bar	
(with Technopolymer threads)		©	B = 0-4 bar	
			C = 0-8 bar	
			D = 0-12 bar	
		•	TYPE	
			= Standard *	
			S = Automatic drain	
			OPTIONS	
Max. fitting torque	G1/8" = 15 Nm	•	= Standard *	
(with threaded inserts)	G1/4" = 20 Nm		K = Lockable version	
			* no additional letter required	



Regulator with pressure switch (RP)(RZ)



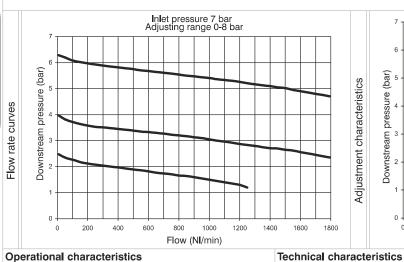


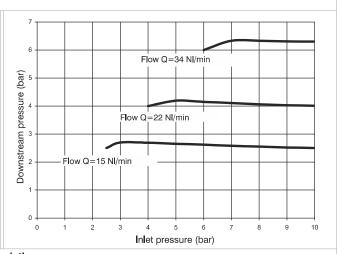


Example: T171BRPCA: size 1, Regulator with Technopolymer threads, G1/4" connections, 0 to 8 bar adjusting range, with pressure switch with M8 connector PNP

Connections

Adjustment characteristics





G 1/8" - G 1/4"

-	Diaphragm	pressure	regulator	witl

- th re**l**ieving.
- Low hysteresis rolling diaphragm.
- Balanced system.
- Available in four pressure ranges up to 12 bar.
- Operating knob can be locked in position by pressing it down once the desired P2 (regulated pressure) pressure value is achieved.
- Fitted with panel mounting locking ring.
- Pressure switch as standard

The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

Max. inlet pressure	13 bar
Working temperature	0°C +50°C
Weight with Technopolymer threads	gr. 140
Weight with threaded inserts	gr. 150
Pressure range	0-2 bar / 0-4 bar
Tressure range	0-8 bar / 0-12 bar
Assembly positions	Indifferent
Max. fitting torque	G1/4" = 9 Nm
(with Technopolymer threads)	G1/4 = 9 MIII

Max. fitting torque G1/8" = 15 Nm(with threaded inserts) G1/4" = 20 Nm

	V 171 © R D©©
	VERSION
V	N = Metal inserts
	T = Technopolymer thread
	CONNECTIONS
•	A = G1/8"(only for "N" version)
•	B = G1/4"
	C = G1/4" NPT(only for "N" version)
_	FLOW DIRECTION
0	P = from left to right
	Z = from right to left
	ADJUST I NG RANGE
_	A = 0-2 bar
G	B = 0-4 bar
	C = 0-8 bar
	D = 0-12 bar
	TYPE
	= Standard *
0	F = Controlled refiel +
U	improved relieving
	L = no relieving
	R = Improved relieving
_	OPTIONS
①	= Standard *

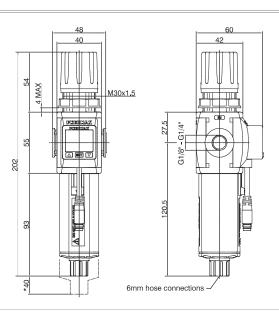
Ordering code

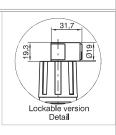
D = Cable 2 mt. NPN * no additional letter required

K = Lockable version PRESSURE SWITCH OPTION A = Cable 150 mm+M8 PNP B = Cable 150 mm+M8 NPN C = Cable 2 mt. PNP

Filter regulator with pressure switch (EP)(EZ)

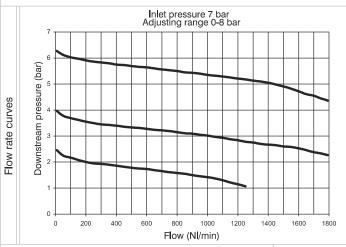


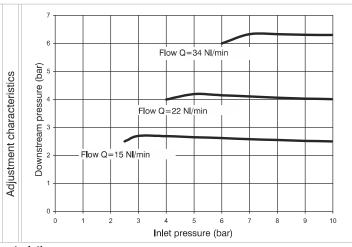




* Bowl removal maximum height

Example: T171BEPBCA: size 1, Filter-regulator with Technopolymer threads, G1/4" connections, 20 μ m filtering pore size, 0 to 8 bar adjusting range, with pressure switch with M8 connector PNP





Operational characteristics

- Filter diaphragm pressure regulator with relieving.
- Low hysteresis rolling diaphragm.
- Balanced system
- Double filtering action: air flow centrifugation and filter element.
- Filtering element made of HDPE (high density polyethylene) available in three different filtration grades (5μm, 20μm and 50μm) can be regenerated by washing it or replaced.
- Transparent bowl made off polycarbonate with bowl protection guard.
- Bowl assembly via bayonet type quick coupling mechanism with safety button.
- Semi-automatic drain mounted as standard;
 automatic drain upon request
- Available in four pressure ranges up to 12 bar.
- Operating knob can be locked in position by pressing it down once the desired P2 (regulated pressure) pressure value is achieved.
- Fitted with panel mounting locking ring.
- Pressure switch as standard

Note

The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended. In order to ensure adequate flow on the auto drain version it is recommended to use minimum a 6mm fitting.

Technical characteristics

Connections	G 1/8" - G 1/4"	
Max. inlet pressure	13 bar	┢
Minimum working pressure	0,5 bar	
with automatic drain	.,	
Maximum working pressure	10 bar	
with automatic drain		\bot
Working temperature	0°C +50°C	
Weight with Technopolymer threads	gr. 200	`
Weight with threaded inserts	gr. 210	┢
Pressure range	0-2 bar / 0-4 bar	0
Tressure range	0-8 bar / 0-12 bar	L
Filter pore size	5 μm - 20 μm - 50 μm	1.
Bowl capacity	18 cm ³	•
Assembly positions	Vertical	
Max. fitting torque	G1/4" = 9 Nm	
(with Technopolymer threads)		
		•
Max. fitting torque	G1/8" = 15 Nm	
(with threaded inserts)	G1/4" = 20 Nm	(
j. ,		\vdash

Ordering code
M1710F00000

V171@EDSGT@₽VERSION

- N = Metal inserts
 T = Technopolymer thread
 CONNECTIONS
 A = G1/8"(only for "N" version)
- FLOW DIRECTION
 P = from left to right
 Z = from right to left
 FILTER PORE SIZE
- FILTER PORE SIZE $A = 5 \mu m$ $B = 20 \mu m$ $C = 50 \mu m$
- ADJUSTING RANGE

 A = 0-2 bar

 B = 0-4 bar

 C = 0-8 bar
- D = 0-12 bar

 TYPE

 Standard *
- S = Automatic drain

 OPTIONS

 Standard *
 - K = Lockable version

 PRESSURE SWITCH OPTION

 A = Cable 150 mm+M8 PNP

 P = Cable 150 mm + M8 NIPN
 - A = Cable 150 mm+M8 PNP
 B = Cable 150 mm+M8 NPN
 C = Cable 2 mt. PNP
 D = Cable 2 mt. NPN
 - * no additional letter required



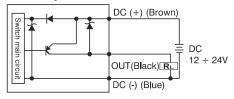


CHARACTERISTICS

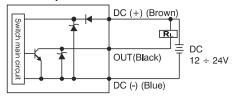
- 3 color digital LCD display, easy readout
- 4 units of measurement for pressure indication
- PNP and NPN output
- N.O. and N.C. output contact
- Not available individually, but only with a Regulator or a Filter-regulator

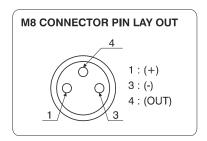
OUTPUT CIRCUIT WIRING DIAGRAMS

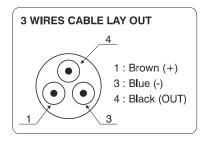
PNP output



NPN output







Cable ordering code

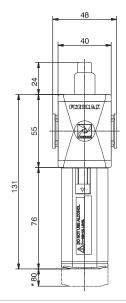
MCH1cable 3 wires I=2,5m with M8 connectorMCH2cable 3 wires I=5m with M8 connectorMCH3cable 3 wires I=10m with M8 connector

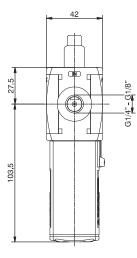


TECHNICAL CHARACTERISTICS			
Adjusting range	0 ÷ 10 bar / 0 ÷ 1MPa		
Max. inlet pressure	15 bar / 1,5 MPa		
Fluid	Filtered and dehumidified air		
Display unit of measurement	MPa - kgf/cm² - bar - psi		
Supply voltage	12 ÷ 24 VDC		
Current consumption	≤40mA (without load)		
Digital output type	NPN - PNP		
Type of contact	Normally Open - Normally Closed		
Max. load current	125 mA		
Digital output activation mode	single threshold with fixed hysteresis - window with fixed hysteresis - window without hysteres		
Digital output activation time	0.05s - 0.25s - 0.5s - 1s - 2s - 3s (selections for chattering-proof function)		
Display characteristics	Double 3 1/2 digit display Digital output status indication Three-pushbuttons touchpad		
Indicator accuracy	≤±2% F.S. ± 1 digit		
Protection grade	IP 40		
Temperature	0 ÷ 50 °C		
Cable section	3 x 0,129mm², Ø4 mm, PVC		

Lubricator (L)

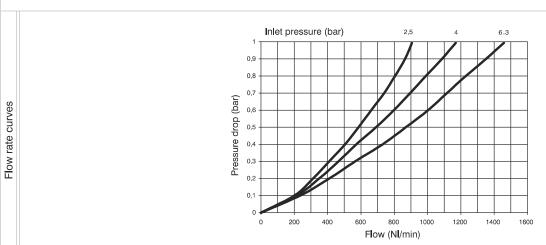






*Bowl removal maximum height

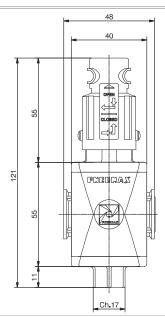
Example: T171BL: size 1, Lubricator with Technopolymer threads, G1/4" connections

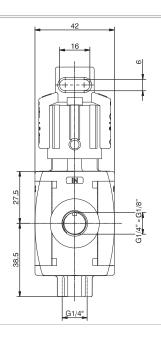


Operational characteristics	Technical characteristics		
- Oil mist lubrication with variable orifice size in function	Connections	G 1/8" - G 1/4"	Ordering code
of the flow rate	Max. inlet pressure	13 bar	
Oil quantity regulation mechanism and oil quantity	Working temperature	-5°C +50°C	Ø 171 @ L
visualization dome made of polycarbonate.	Weight with Technopolymer threads	gr. 110	VERSION
- Transparent bowl made off polycarbonate with	Weight with threaded inserts	gr. 120	N = Metal inserts
bowl protection guard.	Indicative oil drip rate	1 drop every	T = Technopolymer thread CONNECTIONS
- Bowl assembly via bayonet type quick coupling mechanism	indicative oil drip rate	300/600 NI	A = G1/8'' (only for "N" version)
with safety button.	Oil type	FD22 - HG32	B = G1/4"
Note	Bowl capacity	36 cm ³	C = G1/4" NPT(only for 'N' version)
Install as close as possible to the point o fuse	Assembly positions	Vertical	
Do not use alcohol , deterging oils or solvents.	Max. fitting torque	O4/4II O NI	
	(with Technopolymer threads)	G1/4" = 9 Nm	
	Max. fitting torque	G1/8" = 15 Nm	
	(with threaded inserts)	G1/4" = 20 Nm	
	Min. operational flow at 6,3 bar	40 NI/min.	

Shut-off valve (VL)







Example: T171BVL: size 1, Shut-off valve with Technopolymer threads, G1/4" connections

Operational characteristics

- Manual operated 3 ways poppet valve.
- Double handle action for valve opening: pushing and rotating (clockwise).
- The valve can be closed and the down stream circuit depressurized by rotating anticlockwise the knob.
- Knob lockable with three padlocks.

Technical characteristics		
Connections	G 1/8" - G 1/4"	T
Max. inlet pressure	13 bar	
Discharge connection	G1/4"	
Working temperature	-5°C +50°C	
Weight with Technopolymer threads	gr. 100	1
Weight with threaded inserts	gr. 110	-
Assembly positions	Indifferent	٦,
Handle opening and closing angle	90°	⊺՝
Max. fitting torque	G1/4" = 9 Nm	ŀ
(with Technopolymer threads) Max. fitting torque	G1/8" = 15 Nm	-
	,	
(with threaded inserts)	G1/4" = 20 Nm	_
Nominal flow rate	1400 NI/min.	
at 6 bar with $\Delta p=1$		

550 NI/min.

Ordering code

171@VL

VERSION

N = Metal inserts

T = Technopolymer thread

CONNECTIONS

A = G1/8"(ordy for "N" version)

B = G1/4"

C = G1/4" NPT(ordy for "N" version)

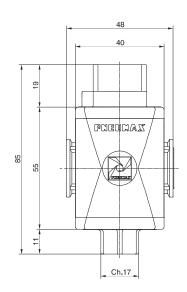
Exhaust nominal flow rate

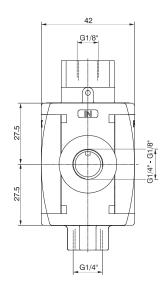
at 6 bar with $\Delta p = 1$

Series Airplus Size 1

Pneumatic shut-off valve (VP)







550 NI/min.

Example: T171BVP: size 1, Pneumatic shut-off valve with Technopolymer threads, G1/4" connections

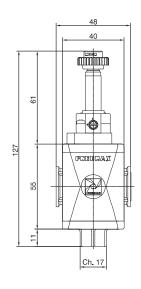
Operational characteristics	Technical characteristics			
Pneumatic operated 3 ways poppet valve.	Connections	G 1/8" - G 1/4"	Ordering code	
When the pneumatic signal is removed the	Discharge connection	G1/4"	_	
valves exhaust the pneumatic circuit	Pilot port size	G1/8"	Ø 171 @ VP	
	Working temperature	-5°C +50°C	VERSION	
	Weight with technopolymer threads	gr. 94	N = Metal inserts	
	Weight with threaded inserts	gr. 99	T = Technopolymer threa CONNECTIONS	
	Assembly positions	Indifferent	A = G1/8"(only for "N" version)	
	Min. pressure working	3 bar	B = G1/4"	
	Max. pressure working	10 bar	C = G1/4" NPT(only for "N" ver	
	Max. fitting torque	O4/4II O NI		
	(with Technopolymer threads)	G1/4" = 9 Nm		
	Max. fitting torque	G1/8" = 15 Nm		
	(with threaded inserts)	G1/4" = 20 Nm		
	Nominal flow rate	4.400 MIL/		
	at 6 bar with Δp=1	1400 NI/min.		
	Exhaust nominal flow rate	550 NI/min		

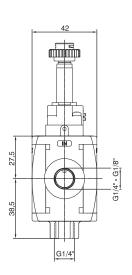
at 6 bar with ∆p=1



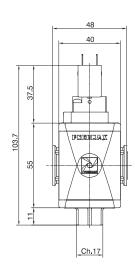
Electric shut-off valve (VE)

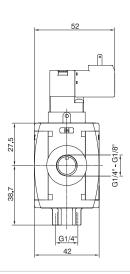












Example: T171BVEB2: size 1, Electric shut-off valve, with M2 pilot without coil, Technopolymer threads, G1/4" connections

Operational characteristics

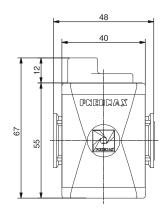
- Solenoid operated 3 ways poppet valve.
- The model fitted with 15 mm pilots uses pilots series N33_0A and N33_0E (1 Watt)

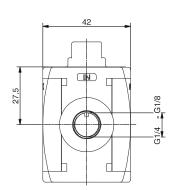
Technical characteristics

0 1 1 1 11				
Supply and operating connections	G 1/8" - G 1/4"		Ordering code	
Discharge connections	G 1/4"			
Working temperature	-5°C +50°C		Ø 171 @ VE Ø	
Weight with Technopolymer threads	130 g		VERSION	
Weight with threaded inserts	140 a	V	N = Metal inserts	
Assembly positions	Indifferent		T = Technopolymer thread	
7.1			CONNECTIONS	
Min. Pressure working	3 bar	•	A = G1/8"(only for "N" version) B = G1/4"	
Max. Pressure working	10 bar		C = G1/4" NPT(only for "N" version)	
Max. fitting torque	G1/4" = 9 Nm		15 mm COIL VOLTAGE	
(with Technopolymer threads)	G1/4" = 9 NIII		A4 = 12 V DC	
Max, fitting torque	G1/8" = 15 Nm		A5 = 24 V DC	
3 1	· ·		A6 = 24 V AC (50-60 Hz)	
(with threaded inserts)	G1/4" = 20 Nm		A7 = 110 V AC (50-60 Hz)	
Nominal flow rate	1400 NI/min.		A8 = 220 V AC (50-60 Hz)	
at 6 bar with $\Delta p=1$			A9 = 24 V DC (1 Watt)	
·			22 mm COIL VOLTAGE	
		A	B2 = Without coil	
			M2 mechanic	
			B4 = 12 V DC	
		•	B5 = 24 V DC	
			B6 = 24 V AC (50-60 Hz)	
Exhaust nominal flow rate			B7 = 110 V AC (50-60 Hz)	
Exhaust horninal now rate	550 NI/min,		B8 = 220 V AC (50-60 Hz)	
at 6 bar with ∆p=1	000 111,111111		B9 = 24 V DC (2 Watt)	
			30 mm COIL VOLTAGE	
			C5 = 24 V DC	
			C6 = 24 V AC (50-60 Hz)	
			C7 = 110 V AC (50-60 Hz)	
			C8 = 230 V AC (50-60 Hz)	
			C9 = 24 V DC (2 Watt)	

Progressive start-up valve (AP)







Example: T171BAP: size 1, Progressive start-up valve with Technopolymer threads, G1/4" connections

Operational characteristics

- Down stream circuit filling time regulated via a built in flow regulator.
- Full pressure is allowed once the down stream circuit pressure reaches 50% of the inlet pressure.

Technical characteristics Connections

Connections	G 1/8" - G 1/4"
Max. inlet pressure	13 bar
Working temperature	-5°C +50°C
Weight with Technopolymer threads	gr. 70
Weight with threaded inserts	gr. 80
Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm
Max. fitting torque	G1/8" = 15 Nm
(with threaded inserts)	G1/4" = 20 Nm
Assembly positions	Indifferent
Min. pressure working	2,5 bar
Nominal flow rate	4 400 NII/w-iw
at 6 bar with Δp=1	1400 NI/min.
Fully open built in flow	75 NI/ :
regulator flow rate	75 N i /min.

Ordering code
Ø 171 @ AP
(EDOLON)

- VERSION

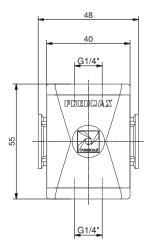
 N = Metal inserts

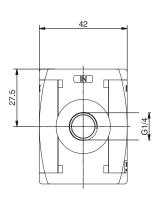
 T = Technopolymer thread

 CONNECTIONS
- $$\begin{split} A &= G1/8" (\text{only for "N" version}) \\ B &= G1/4" \\ C &= G1/4" \ NPT (\text{only for "N" version}) \end{split}$$

Air intake (PA)





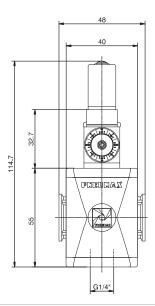


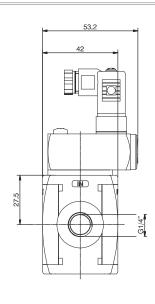
Example: T171BPA: size 1, Air intake with Technopolymer threads, G1/4" connections

Operational characteristics	Technical characteristics			
- Available with two G1/4" threaded connections.	Connections	G 1/4"	Ordering code	
	Max. inlet pressure	13 bar	T171BPA	
Attenction For this product are available only	Working temperature	-5°C +50°C		
Technopolymer connections	Weight	gr. 52		
	Assembly positions	Indifferent		
	Max. fitting torque	G1/4" = 9 Nm		
	(with Technopolymer threads)	G1/4 - 914111		

Pressure switch (PP)







Example: T171BPP: Size 1, Pressure switch with Technopolymer threads, G1/4" connections

Operational characteristics

- Built in adjustable pressure switch (2 to 10 bar) with electrical connection.
- G1/4" threaded connection on the bottom face.
- The electrical connection is made by mean of a 15 mm connector DIN 43650 type C. The microswitch contact could be normally closed or open (change overswitch).

Attenction

For this product are available only Technopolymer connections

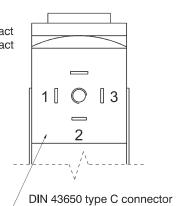
Technical characteristics

Connections	G 1/4"	Ordering code
Max. inlet pressure	13 bar	
Working temperature	-5°C +50°C	T171BPP
Weight	gr. 138	
Microswitch capacity	1A	
Grade of protection	IP 65	
(with connector assembled)	11 00	
Adjusting range	2 -10 bar	
Assembly positions	Indifferent	
Max. fitting torque	G1/4" = 9 Nm	
(with Technopolymer threads)	G1/4 = 9 NIII	
Microswitch maximum tension	250 VAC	

1 = neutral

2 = N.C. contact

3 = N.O. contact

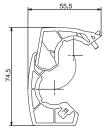


Flange X

Ordering code

T171X





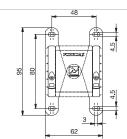
Weight 12 gr.
Example: T171X: Size 1 coupling flange
-Enables the quick connnection of two functions

Flange Y

Ordering code

T171Y





Weight 18 gr.
Example: T171Y: Size 1 coupling flange with mounting holes
- Used to couple together two elements and
to panel mount them.

- Used to panel mount one single element.

Fixing bracket

Ordering code

17150



50 30

Single unit panel

mounting dimensions

Weight 32 gr.
- Allows for regulators and filter regulators to be panel mounted.

Pressure gauge

Ordering code

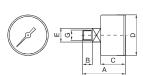
17070**Ø**.**⑤**

	VERSION
V	A = Dial Ø40
	B = Dial Ø50
	SCALE
•	A = Scale 0-4 bar







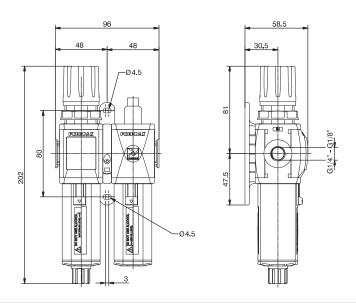


DIMENSIONS							
CODE	Α	В	С	D	Е	G	Weight gr.
17070A	44	10	26	41	14	1/8"	60
17070B	45	10	27	49	14	1/8"	80

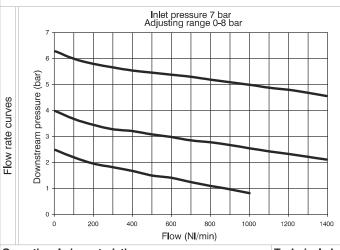


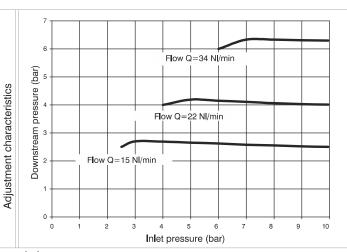
Service unit assembled (EM+L) (E+L) (EW+L)





Example: GT171BHG: size 1, combined group comprising Filter-regulator and Lubricator, Technopolymer threads, G1/4" connections, 0 to 8 bar adjusting range and 20 μ m filter pore size





Operational characteristics

Combined group comprising Filter-regulator with built in manometer and Lubricator assembled with a (Y) type coupling kit for panel mounting.

Integrated manometer 0-12 bar as standard

(for 0-8 and 0-12 bar range) and 0-4 bar (for 0-2 and 0-4 range)

Note

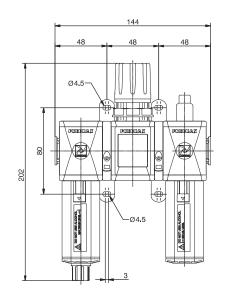
The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

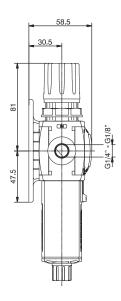
|--|

Connections	G 1/8" - G 1/4"		Ordering code
Max. inlet pressure	13 bar		
Working temperature	-5°C +50°C		6 0 171 00 00
Weight with Technopolymer threads	gr. 328	VE	ERSION
Weight with threaded inserts	gr. 348	₩ N	= Metal inserts
	0-2 bar / 0-4 bar		= Technopolymer thread ONNECTIONS
Pressure range	0-8 bar / 0-12 bar	I -	= G1/8"(only for "N" version)
Filter pore size	5 μm - 20 μm - 50 μm	В	= G1/4"
Bowl capacity	18 cm ³		= G1/4" NPT(only for "N" version)
Down dapatolity	-		/PE
Indicative oil drip rate	1 drop every		= Built in gauge
indicative of any rate	300/600 NI	J	= G1/8" gauge connection
Oil type	FD22 - HG32		LTER PORE SIZE
	36 cm ³		DJUSTING RANGE
Bowl capacity	36 CIII		= 5 μm / 0-8 bar
Assembly positions	Vertical		= 5 μm / 0-12 bar
Max. fitting torque		G	= 20 μm / 0-8 bar
G1/4" = 9 Nm			= 20 µm / 0-12 bar
(with Technopolymer threads)	h Technopolymer threads)		= 50 μm / 0 - 8 bar
Max. fitting torque	G1/8" = 15 Nm		= 50 μm / 0-12 bar
(with threaded inserts)	G1/4" = 20 Nm		PTIONS
(Will the sadd a most to)	G171 201111	.	= Standard *
		S	= Automatic drain
		FL	OW DIRECTION
Min. operational flow at 6,3 bar	40 N i /min.	0	= Standard *
		9	(from left to right)
		W	= from right to left

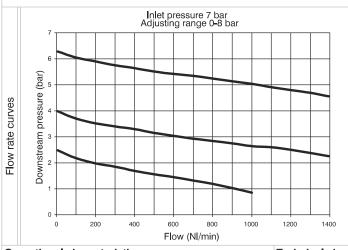
Service unit assembled (F+RM+L) (F+R+L) (F+RW+L)

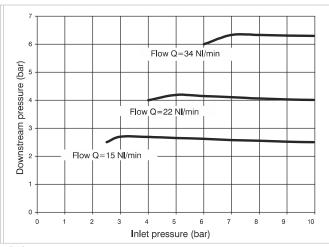






Example: GT171BKG: size 1 combined group comprising Filter, Regulator and Lubricator Technopolymer threads, G1/4" connections, 0 to 8 bar adjusting range and 20 µm filter pore size





Operational characteristics

Combined group comprising Filter, Regulator with built in manometer and Lubricator assembled with two (Y) type coupling kits for panel mounting.

Integrated manometer 0-12 bar as standard

(for 0-8 and 0-12 bar range) and 0-4 bar (for 0-2 and 0-4 range)

Note

The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

Technical characteristics

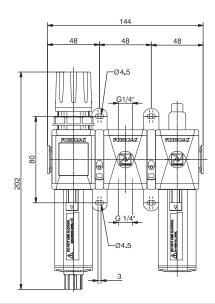
Adjustment characteristics

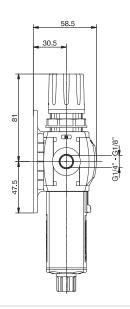
G 1/8" - G 1/4"		Ordering code
13 bar	- Ordering code	
-5°C +50°C		G Ø 171 00 00
gr. 406		VERSION
gr. 436		N = Metal inserts
0-2 bar / 0-4 bar	-	T = Technopolymer thread
· ·	I -	CONNECTIONS
,		A = G1/8" (only for "N" version)
5 μm - 20 μm - 50 μm	I -	B = G1/4" $C = G1/4" NPT(only for "N" version)$
18 cm ³		TYPE
1 drop every		K = Built in gauge
	-	T = G1/8" gauge connection
<u> </u>	-	FILTER PORE SIZE
FD22 - HG32	_ .	ADJUSTING RANGE
36 cm ³		C = 5 µm / 0-8 bar
Vertical	a	D = 5 μm / 0-12 bar
	7	$G = 20 \mu \text{m} / 0 - 8 \text{bar}$
. fitting torque G1/4" = 9 Nm		H = 20 μm / 0-12 bar
		$N = 50 \mu m / 0-8 bar$
G1/8" = 15 Nm		$P = 50 \mu \text{m} / 0 - 12 \text{bar}$
tting torque G1/8" = 15 Nm nreaded inserts) G1/4" = 20 Nm		OPTIONS
31/4 - 2014111	. ●	= Standard *
		S = Automatic drain
40.00%		FLOW DIRECTION
40 NI/min.	0	= Standard
	-	(from left to right)
		W = from right to left
	13 bar -5°C +50°C gr. 406 gr. 436 0-2 bar / 0-4 bar 0-8 bar / 0-12 bar 5 μm - 20 μm - 50 μm 18 cm³ 1 drop every 300/600 NI FD22 - HG32 36 cm³ Vertical G1/4" = 9 Nm	13 bar -5°C +50°C gr. 406 gr. 436 0-2 bar / 0-4 bar 0-8 bar / 0-12 bar 5 μm - 20 μm - 50 μm 18 cm³ 1 drop every 300/600 NI FD22 - HG32 36 cm³ Vertical G1/4" = 9 Nm G1/8" = 15 Nm G1/4" = 20 Nm 40 NI/min.

Series Airplus

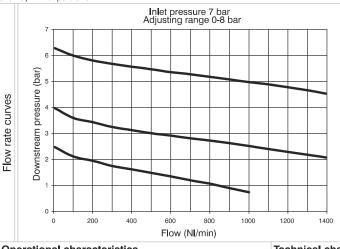
Service unit assembled (EM+PA+L) (E+PA+L) (EW+PA+L)

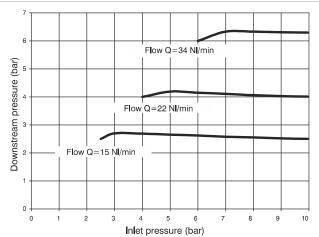






Example: GT171BNG: size 1 combined group comprising Filter-regulator, Air intake and Lubricator Technopolymer threads, G1/4" connections, 0 to 8 bar adjusting range and 20 μ m filter pore size





Operational characteristics

Combined group comprising Filter-regulator with built in manometer, Air intake and Lubricator assembled with two (Y) type coupling kits for panel mounting. Integrated manometer 0-12 bar as standard (for 0-8 and 0-12 bar range) and 0-4 bar (for 0-2 and 0-4 range)

Note

The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

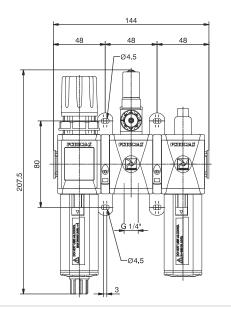
Technical characteristics

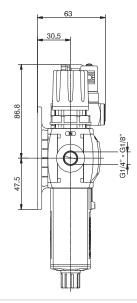
Adjustment characteristics

Connections G 1/8" - 0	G 1/4" Ordering code
Max. inlet pressure	_
Working temperature -5°C +5	-50°C G♥171@⊕◎⊚
Weight with Technopolymer threads gr. 39	398 VERSION
Weight with threaded inserts gr. 41	N = Metal inserts
0-2 har / (T = Technopolymer thread
Pressure range 0-8 bar / 0	CONNECTIONS
·	0
Filter pore size $5 \mu \text{m} - 20 \mu \text{n}$	C = G1/4" NPT(only for "N" version)
Bowl capacity 18 cr	cm³ TYPE
Indicative cil drip rate	every N = Built in gauge
Indicative oil drip rate 300/60	00 NI P = G1/8" gauge connection
Oil type FD22 - H	HG32 FILTER PORE SIZE
- 31	ADJUSTING RANGE
1 7	o = o min / o o bai
Assembly positions Vertice	
Max. fitting torque	$G = 20 \mu\text{m} / 0.8 \text{bar}$
(with Technopolymer threads)	
, , ,	$N = 50 \mu\text{m} / 0.48 \text{bar}$
Max. fitting torque G1/8" = 1	15 Nm $P = 50 \mu\text{m} / 0$ -12 bar OPTIONS
(with threaded inserts) $G1/4" = 2$	20 Nm = Standard *
	S = Automatic drain
	FLOW DIRECTION
Min. operational flow at 6,3 bar 40 NI/n	/min Standard
	(from left to right)
	W = from right to left

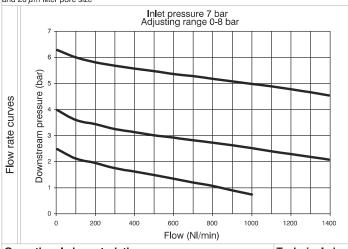
Service unit assembled (EM+PP+L) (E+PP+L) (EW+PP+L)

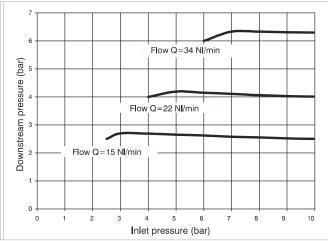






Example: GT171BRG: size 1 combined group comprising Filter-Regulator, Pressure switch and Lubricator Technopolymer threads, G1/4" connections 0 to 8 bar adjusting range and 20 μ m filter pore size





Operational characteristics

Combined group comprising Filter-regulator with built in manometer, Pressure switch and Lubricator assembled with two (Y) type coupling kits for panel mountings. Integrated manometer 0-12 bar as standard (for 0-8 and 0-12 bar range) and 0-4 bar (for 0-2 and 0-4 range)

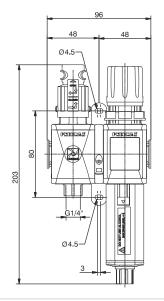
Note

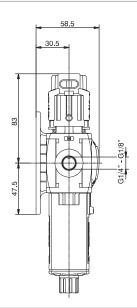
The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

Technical characteristics

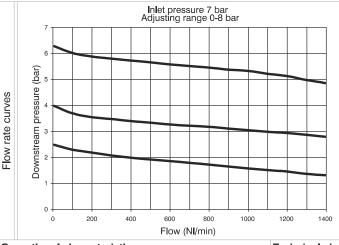
Adjustment characteristics

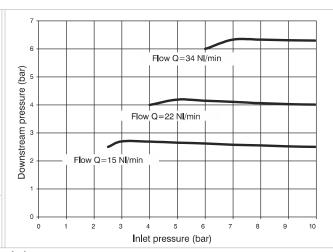
Connections	G 1/8" - G 1/4"	Ordering code	
Max. inlet pressure	13 bar	3	
Working temperature	-5°C +50°C	G Ø 171 @@ S @ ®	
Weight with Technopolymer threads	gr. 484	VERSION	
Weight with threaded inserts	gr. 504	N = Metal inserts	
Pressure range	0-2 bar / 0-4 bar	T = Technopolymer thread CONNECTIONS	
	0-8 bar / 0-12 bar	A = G1/8" (only for "N" version)	
Filter pore size	5 μm - 20 μm - 50 μm	B = G1/4"	
Bowl capacity	18 cm ³	C = G1/4" NPT(only for "N" version)	
Indicative oil drip rate	1 drop every	TYPE R = Built in gauge	
Indicative oil drip rate	300/600 NI	C = G1/8" gauge connection	
Oil type	FD22 - HG32	FILTER PORE SIZE ADJUSTING RANGE	
Bowl capacity	36 cm ³	$C = 5 \mu \text{m} / 0-8 \text{ bar}$	
Assembly positions	Vertical	$D = 5 \mu \text{m} / 0 - 12 \text{ bar}$	
Max. fitting torque		$G = 20 \mu\text{m} / 0-8 \text{bar}$	
(with Technopolymer threads)	G1/4" = 9 Nm	$H = 20 \mu\text{m} / 0-12 \text{bar}$	
, , , ,	G1/8" = 15 Nm	$N = 50 \mu\text{m} / 0-8 \text{bar}$ $P = 50 \mu\text{m} / 0-12 \text{bar}$	
Max. fitting torque	, , , , , , , , , , , , , , , , , , ,	OPTIONS	
(with threaded inserts)	G1/4" = 20 Nm	Standard *	
		S = Automatic drain	
		FLOW DIRECTION	
Min. operational flow at 6,3 bar	40 NI/min.	= Standard	
		(from left to right)	
		W = from right to left	





Example: GT171BVGG: size 1 combined group comprising Shut-off valve, Filter-regulator Technopolymer threads, G1/4" connections 0 to 8 bar adjusting range and 20 μ m filter pore size





Operational characteristics

Combined group comprising manual shut-off valve, Filter regulator with built in manometer, assembled with one (Y) type coupling kit for panel mountings.

Integrated manometer 0-12 bar as standard

(for 0-8 and 0-12 bar range) and 0-4 bar (for 0-2 and 0-4 range)

Note

The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

Technical characteristics

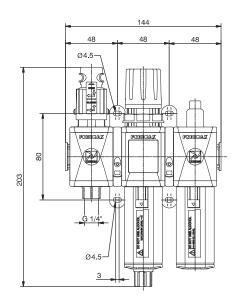
Adjustment characteristics

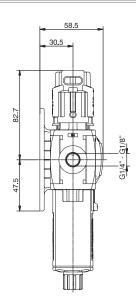
Connections	G 1/8" - G 1/4"	Ordering code
Max. inlet pressure	13 bar	3
Working temperature	-5°C +50°C	G Ø 171 @@ S@ ®
Weight with Technopolymer threads	gr. 318	VERSION
Weight with threaded inserts	gr. 338	N = Metal inserts
D	0-2 bar / 0-4 bar	T = Technopolymer thread CONNECTIONS
Pressure range	0-8 bar / 0-12 bar	Λ = G1/8" (t. for b
Filter pore size	5 μm - 20 μm - 50 μm	B = G1/4"
Bowl capacity	18 cm ³	C = G1/4" NPT(only for "N" version)
, ,	1 drop every	TYPE VG = Built in gauge
Indicative oil drip rate	300/600 NI	VU = G1/8" gauge connection
Oil type	FD22 - HG32	FILTER PORE SIZE
Bowl capacity	36 cm ³	ADJUSTING RANGE $C = 5 \mu m / 0-8 \text{ bar}$
Assembly positions	Vertical	$D = 5 \mu \text{m} / 0-12 \text{ bar}$
Max. fitting torque		$G = 20 \mu \text{m} / 0 - 8 \text{bar}$
(with Technopolymer threads)	G1/4" = 9 Nm	$H = 20 \mu\text{m} / 0-12 \text{bar}$ $N = 50 \mu\text{m} / 0-8 \text{bar}$
Max. fitting torque	G1/8" = 15 Nm	$P = 50 \mu\text{m} / 0-12 \text{bar}$
(with threaded inserts)	G1/4" = 20 Nm	OPTIONS
(with threaded inserts)	G1/4 = 20 NIII	Standard *
		S = Automatic drain
Min. operational flow at 6,3 bar	40 NI/min.	FLOW DIRECTION
wiiii. Operational now at 6,3 bai	40 NI/IIIII.	Standard
		(from left to right)
		W = from right to left

^{*} no additional letter required

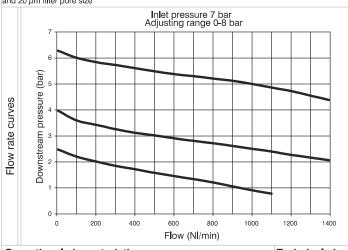
Service unit assembled (VL+EM+L) (VL+E+L) (VL+EW+L)

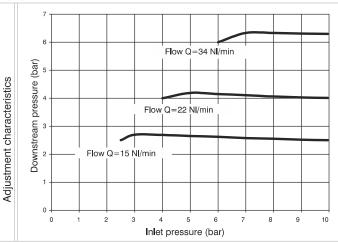






Example: GT171BVHG: size 1 combined group comprising Shut-off valve, Filter-regulator and Lubricator Technopolymer threads, G1/4" connections 0 to 8 bar adjusting range and 20 μ m filter pore size





Operational characteristics

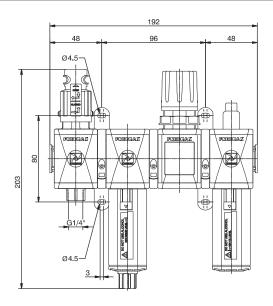
Combined group comprising manual shut-off valve, Filter regulator with built in manometer and Lubricator assembled with two(Y) type coupling kits for panel mountings. Integrated manometer 0-12 bar as standard (for 0-8 and 0-12 bar range) and 0-4 bar (for 0-2 and 0-4 range)

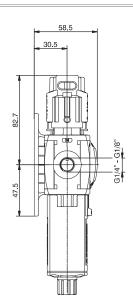
Note

The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

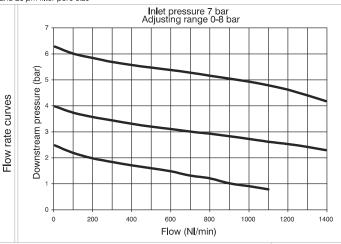
Technical characteristics

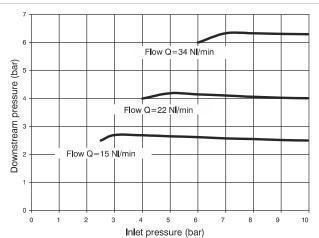
Connections	G 1/8" - G 1/4"	Ordering code	
Max. inlet pressure	13 bar	G Ø 171 @@© @	
Working temperature	-5°C +50°C		
Weight with Technopolymer threads	gr. 446	VERSION	
Weight with threaded inserts	gr. 476	N = Metal inserts	
	0-2 bar / 0-4 bar	T = Technopolymer thread	
Pressure range	0-8 bar / 0-12 bar	CONNECTIONS A = G1/8" (only for "N" version)	
Filter pore size	5 μm - 20 μm - 50 μm	B = G1/4"	
<u>'</u>		C = G1/4" NPT(only for "N" version)	
Bowl capacity	18 cm ³	TYPE	
Indicative oil drip rate	1 drop every	VH = Built in gauge	
Indicative oil drip rate	300/600 NI	VJ = G1/8" gauge connection	
Oil type	FD22 - HG32	FILTER PORE SIZE	
Bowl capacity	36 cm ³	ADJUSTING RANGE $C = 5 \mu \text{m} / 0-8 \text{ bar}$	
Assembly positions	Vertical	D = 5 um / 0.12 bor	
	vertical	$G = 3 \mu \text{m} / 0-12 \text{ bar}$	
Max. fitting torque	G1/4" = 9 Nm	$H = 20 \mu \text{m} / 0 - 12 \text{bar}$	
(with Technopolymer threads)	31,1 31111	$N = 50 \mu \text{m} / 0 - 8 \text{bar}$	
Max, fitting torque	G1/8" = 15 Nm	$P = 50 \mu m / 0 - 12 bar$	
(with threaded inserts)	G1/4" = 20 Nm	OPTIONS	
(with theaded inserts)	G1/4 = 20 NIII	Standard *	
		S = Automatic drain	
re e la cont		FLOW DIRECTION	
Min. operational flow at 6,3 bar	40 NI/min.	= Standard	
		(from left to right)	
		W = from right to left	





Example: GT171BVKG: size 1 combined group comprising Shut-off valve, Filter, Regulator and Lubricator Technopolymer threads, G1/4" connections 0 to 8 bar adjusting range and 20 μ m filter pore size





Operational characteristics

Combined group comprising manual shut - off valve, Filter, Regulator with built in manometer and Lubricator , assembled with two (Y) type coupling kits for panel mounting and one (X) type coupling kit.

Integrated manometer 0-12 bar as standard

(for 0-8 and 0-12 bar range) and 0-4 bar (for 0-2 and 0-4 range)

Note

The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

Technical characteristics

Adjustment characteristics

iconincal characteristics				
Connections	G 1/8" - G 1/4"		Ordering code	
Max. inlet pressure	13 bar			
Working temperature	- 5°C +50°C		G Ø 171 00 00	
Weight with Technopolymer threads	gr. 518		VERSION	
Weight with threaded inserts	gr. 558	V	N = Metal inserts	
Pressure range	0-2 bar / 0-4 bar		T = Technopolymer threa CONNECTIONS	
	0-8 bar / 0-12 bar	•	A = G1/8" (only for "N" version)	
Filter pore size	5 μm - 20 μm - 50 μm	•	B = G1/4"	
Bowl capacity	18 cm³	_	C = G1/4" NPT(only for "N" ve	
	1 drop every	0	VK = Built in gauge	
Indicative oil drip rate	300/600 NI		VT = G1/8" gauge conne	
Oil type	FD22 - HG32		FILTER PORE SIZE	
Bowl capacity	36 cm ³		ADJUSTING RANGE C = 5 μm / 0-8 bar	
Assembly positions	Vertical	8	$D = 5 \mu m / 0-12 bar$	
Max. fitting torque		•	$G = 20 \mu \text{m} / 0 - 8 \text{bar}$	
	G1/4" = 9 Nm		$H = 20 \mu m / 0-12 bar$	
(with Technopolymer threads)			$N = 50 \mu \text{m} / 0-8 \text{bar}$	
Max. fitting torque	G1/8" = 15 Nm		$P = 50 \mu m / 0 - 12 bar$	
(with threaded inserts)	G1/4" = 20 Nm		OPTIONS	
(5.1, 1 201111	•	= Standard *	
	40 NI/min.		S = Automatic drain	
			FLOW DIRECTION	
Min. operational flow at 6,3 bar			= Standard	
			(from left to right)	
			W - from right to left	

ring code

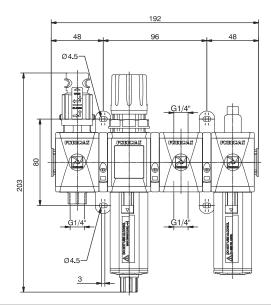
l inserts nopolymer thread TIONS (only for 'N' version) " NPT(only for "N" version) It in gauge 8" gauge connection ORE S**I**ZE NG RANGE / 0-8 bar / 0-12 bar m / 0-8 bar m / 0-12 bar m / 0-8 bar m / 0-12 bar dard *

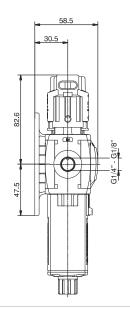
W = from right to left * no additional

letter required

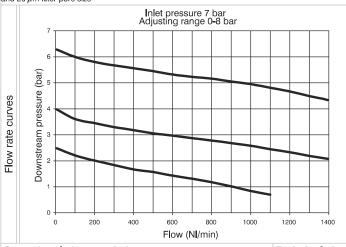
Service unit assembled (VL+EM+PA+L) (VL+E+PA+L) (VL+EW+PA+L)

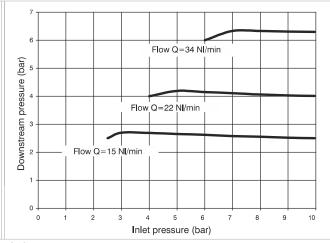






Example: GT171BVNG: size 1 combined group comprising Shut-off valve, Filter-regulator, Air intake and Lubricator Technopolymer threads, G1/4" connections 0 to 8 bar adjusting range and 20 µm filter pore size





Operational characteristics

Combined group comprising manual shut-off valve, Filter - regulator with built in manometer, Air intake and Lubricator, assembled with two (Y) type coupling kits for panel mounting and one (X) type coupling kit.

Integrated manometer 0-12 bar as standard

(for 0-8 and 0-12 bar range) and 0-4 bar (for 0-2 and 0-4 range)

Note

The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

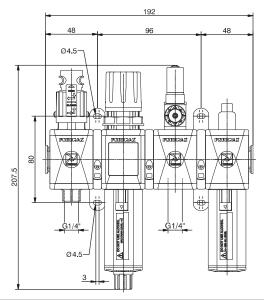
Technical characteristics

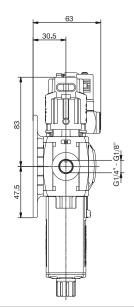
Adjustment characteristics

Connections	G 1/8" - G 1/4"	Ordering code	
Max. inlet pressure	13 bar	G Ø 171 ⊝⊕ S⊚ ©	
Working temperature	-5°C +50°C		
Weight with Technopolymer threads	gr. 510	VERSION	
Weight with threaded inserts	gr. 540	N = Metal inserts	
	0-2 bar / 0-4 bar	T = Technopolymer thread	
Pressure range	0-8 bar / 0-12 bar	CONNECTIONS A = G1/8" (only for "N" version)	
Filter pore size	5 μm - 20 μm - 50 μm	B = G1/4"	
Bowl capacity	18 cm ³	C = G1/4" NPT(only for "N" version)	
Bowl capacity		TYPE	
Indicative oil drip rate	1 drop every	VN = Built in gauge	
indicative of any rate	300/600 NI	VP = G1/8" gauge connection	
Oil type	FD22 - HG32	FILTER PORE SIZE ADJUSTING RANGE	
Bowl capacity	36 cm ³	$C = 5 \mu m / 0.8 bar$	
Assembly positions	Vertical	$D = 5 \mu \text{m} / 0-12 \text{ bar}$	
Max. fitting torque		$G = 20 \mu \text{m} / 0-8 \text{bar}$	
	G1/4" = 9 Nm	$H = 20 \mu m / 0 - 12 bar$	
(with Technopolymer threads)	·	$N = 50 \mu \text{m} / 0-8 \text{bar}$	
Max. fitting torque	G1/8" = 15 Nm	P = 50 μm / 0-12 bar	
(with threaded inserts)	G1/4" = 20 Nm	OPTIONS	
(with threaded inserts)	G1/4 = 20 Nill	Standard *	
		S = Automatic drain	
la i o o i		FLOW DIRECTION	
Min. operational flow at 6,3 bar	40 NI/min.	Standard	
		(from left to right)	
		W = from right to left	

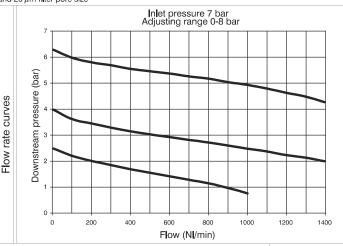
Service unit assembled (VL+EM+PP+L) (VL+E+PP+L) (VL+EW+PP+L)

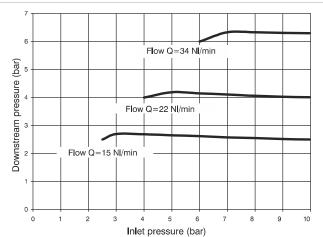






Example: GT171BVRG: size 1 combined group comprising Shut-off valve, Filter-regulator, Pressure switch and Lubricator Technopolymer threads, G1/4" connections adjusting range 0 to 8 bar and 20 μ m filter pore size





Operational characteristics

Combined group comprising manual shut-off valve, Filter regulator with built in manometer, Pressure switch and Lubricator, assembled with two (Y) type coupling kits for panel mounting and one (X) type coupling kit. Integrated manometer 0-12 bar as standard

(for 0-8 and 0-12 bar range) and 0-4 bar (for 0-2 and 0-4 range)

Note

The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

Technical characteristics

Adjustment characteristics

Connections	G 1/8" - G 1/4"	
Max. inlet pressure	13 bar	
Working temperature	-5°C +50°C	
Weight with Technopolymer threads	gr. 596	
Weight with threaded inserts	gr. 626	V
Dragoura rango	0-2 bar / 0-4 bar	-
Pressure range	0-8 bar / 0-12 bar	
Filter pore size	5 μm - 20 μm - 50 μm	G
Bowl capacity	18 cm³	-
Indicative oil drip rate	1 drop every	0
Indicative oil drip rate	300/600 NI	
Oil type	FD22 - HG32	
Bowl capacity	36 cm ³	
Assembly positions	Vertical	8
Max. fitting torque	0.1/411 0.11	
(with Technopolymer threads)	G1/4" = 9 Nm	
Max. fitting torque	G1/8" = 15 Nm	
(with threaded inserts)	G1/4" = 20 Nm	
	operational flow at 6,3 bar G1/4" = 20 Nm G1/4" = 20 Nm	
Min. operational flow at 6,3 bar	40 NI/min.	0

Ordering code

G**Ø**171**0000**

VERSION N = Metal inserts

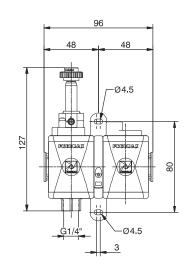
	T = Technopolymer thread
	CONNECTIONS
•	A = G1/8" (only for "N" version)
G	B = G1/4"
	C = G1/4" NPT(only for "N" version)
	TYPE
•	VR = Built in gauge
	VC = G1/8" gauge connection
	FILTER PORE SIZE
	ADJUSTING RANGE
	$C = 5 \mu m / 0-8 bar$
8	$D = 5 \mu m / 0-12 bar$
•	$G = 20 \mu \text{m} / 0 - 8 \text{bar}$
	$H = 20 \mu m / 0-12 bar$
	$N = 50 \mu m / 0-8 bar$
	P = 50 μm / 0-12 bar
	OPTIONS
()	= Standard *
	S = Automatic drain
	FLOW DIRECTION
•	= Standard
9	(from left to right)

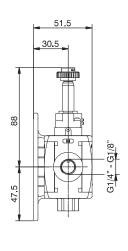
^{*} no additional letter required

W = from right to left

Service unit assembled (VE+AP)







Example: GT171BSB2: size 1 combined group comprising Electric shut-off valve, Progressive start-up valve without coil with M2 pilot Technopolymer threads, G1/4" connections

perational characteristics	Technical characteristics		
combined group comprising Electric shut-off valve and	Connections	G 1/8" - G 1/4"	Ordering code
rogressive start-up valve assembled with a (Y) type	Max. inlet pressure	10 bar	3
oupling kit for panel mounting.	Min. inlet pressure	3 bar	GØ171@SØ
	Working temperature	-5°C +50°C	VERSION
	Weight with Technopolymer threads	gr. 218	N = Metal inserts
	Weight with threaded inserts	gr. 238	T = Technopolymer threa
	Assembly positions	Indifferent	CONNECTIONS A = G1/8" (only for "N" version)
	Max. fitting torque	I I I I I I I I I I I I I I I I I I I	B = G1/4"
	(with Technopolymer threads)	G1/4" = 9 Nm	C = G1/4" NPT(only for "N" ve
	` ' ' '	0.1/20 1.2.1	15 mm COIL VOLTAGE
	Max. fitting torque	G1/8" = 15 Nm	A4 = 12 V DC
	(with threaded inserts)	G1/4" = 20 Nm	A5 = 24 V DC A6 = 24 V AC (50-60 Hz
	Flow at 6 bar with Δp=1	1200 NI/min.	A7 = 110 V AC (50-60 H A8 = 220 V AC (50-60 H A9 = 24 V DC (1 Watt) 22 mm COIL VOLTAGE B2 = Without coil M2 mechanic B4 = 12 V DC B5 = 24 V DC B6 = 24 V AC (50-60 H B7 = 110 V AC (50-60 H B9 = 24 V DC (2 Watt) 30 mm COIL VOLTAGE C5 = 24 V DC C6 = 24 V AC (50-60 H C7 = 110 V