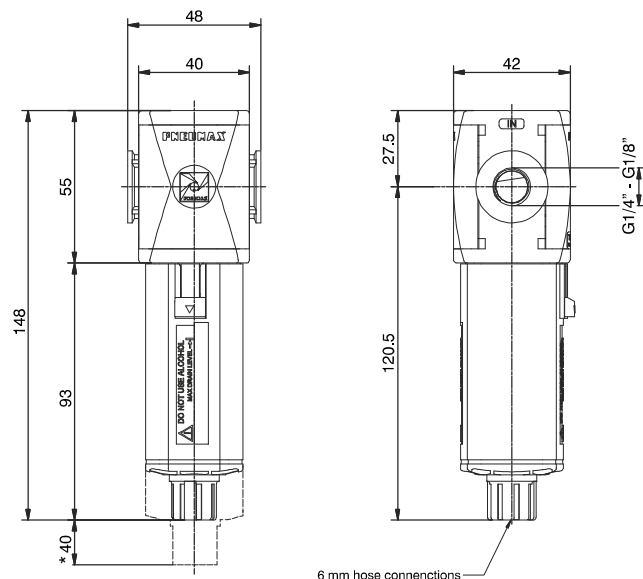


Filter (F)

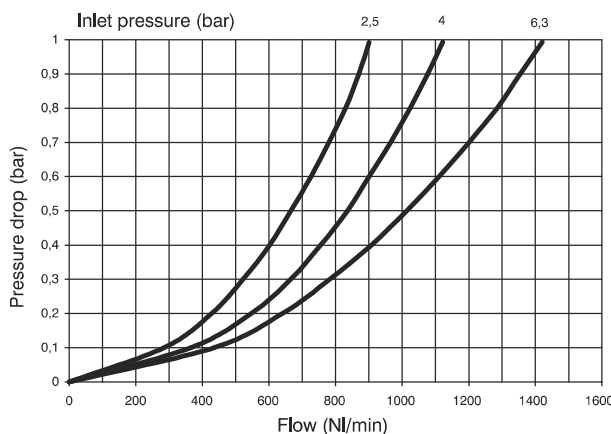


*Bowl removal maximum height

Example: T171BFB : size 1, Filter with Technopolymer threads, G1/4" connections, 20 μ m filter pore size

3

Flow rate curves



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 (5 μ m, 20 μ m and 50 μ 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

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"
Max. inlet pressure	13 bar
Minimum working pressure with automatic drain	0,5 bar
Maximum working pressure with automatic drain	10 bar
Working temperature	-5°C + 50°C
Weight with Technopolymer threads	gr. 120
Weight with threaded inserts	gr. 130
Filter pore size	5 μ m - 20 μ m - 50 μ m
Bowl capacity	18 cm ³
Assembly positions	Vertical
Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm
Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm

Ordering code

V171CFS

VERSION

- V = Metal inserts
- T = Technopolymer thread

CONNECTIONS

- A = G1/8" (only for "N" version)
- B = G1/4"
- C = G1/4" NPT (only for "N" version)

FILTER PORE SIZE

- A = 5 μ m
- B = 20 μ m
- C = 50 μ m

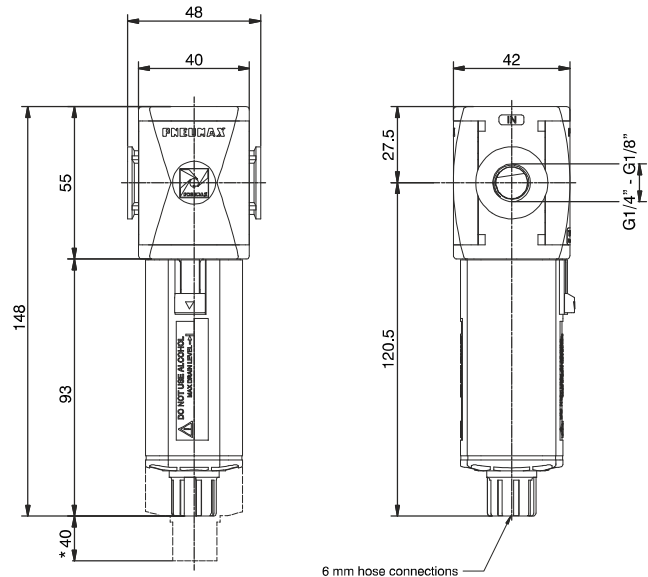
OPTIONS

- Standard *
- S = Automatic drain

* no additional letter required



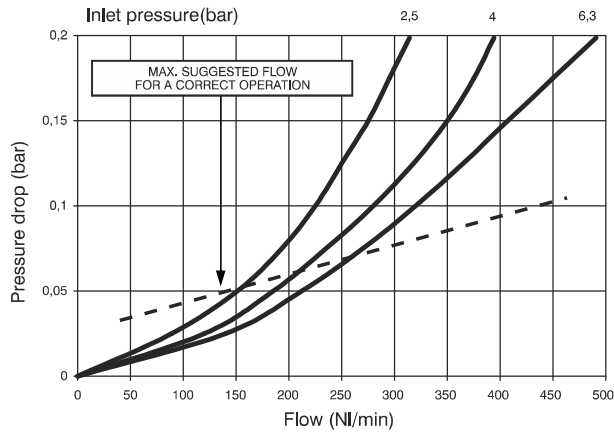
Coalescing filter (D)



*Bowl removal maximum height

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

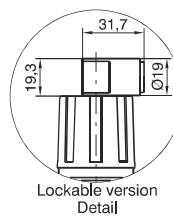
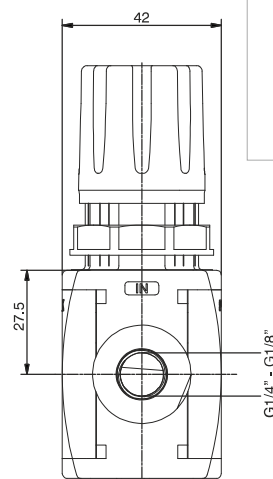
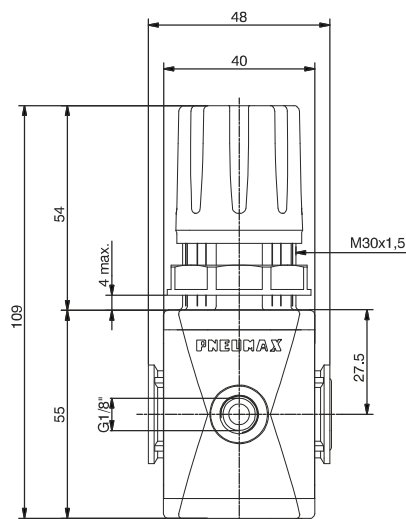
Flow rate curves



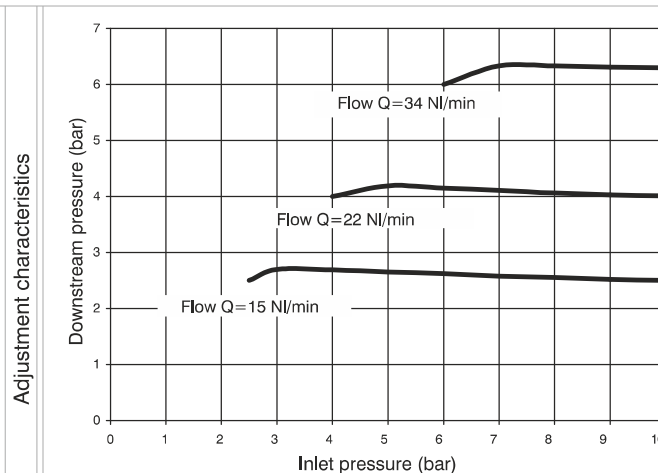
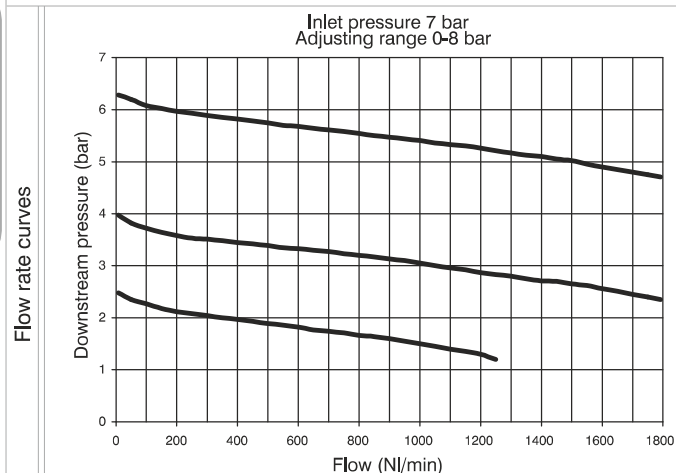
Operational characteristics	Technical characteristics		
<ul style="list-style-type: none">- Coelesing filter element with filtration grade of 0,01µm- Transparent bowl made off polycarbonate with bowl protection guard.- Bowl assembly via bayonet type quick coupling mechanism with safety button.- Semi-automatic drain mounted as standard; automatic drain upon request <p>Note In order to ensure a better grade of filtration it is recommended to use a 5 µm filter before the coalescing filter. In order to ensure adequate flow on the auto drain version it is recommended to use minimum a 6mm fitting.</p>	Connections	G 1/8" - G 1/4"	Ordering code
	Max. inlet pressure	13 bar	V171CDEO
	Minimum working pressure with automatic drain	0,5 bar	VERSION
	Maximum working pressure with automatic drain	10 bar	V N = Metal inserts T = Technopolymer thread
	Working temperature	-5°C +50°C	CONNECTIONS
	Weight with Technopolymer threads	gr. 125	C A = G1/8" (only for "N" version) B = G1/4"
	Weight with threaded inserts	gr. 135	C = G1/4" NPT (only for "N" version)
	Filter efficiency with 0,01 µm particle	99,97%	E FILTER EFFICIENCY
	Bowl capacity	18cm ³	A = 99,97%
	Assembly positions	Vertical	OPTIONS
	Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm	O = Standard *
	Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm	S = Automatic drain

* no additional letter required

Regulator (R)



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



Operational 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.

Note

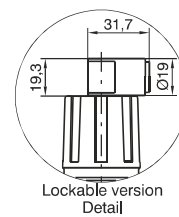
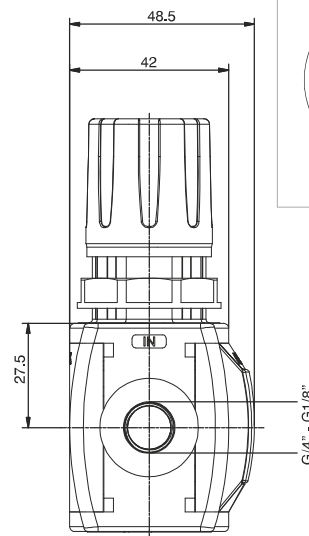
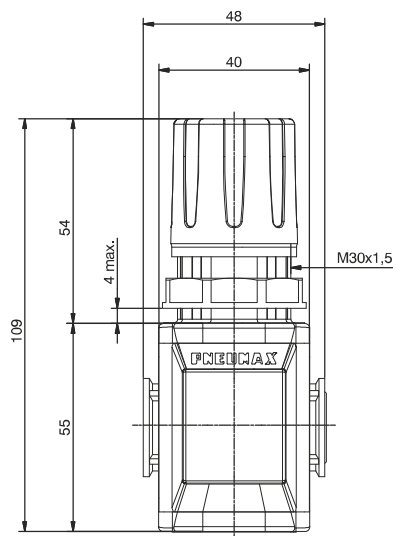
The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

Technical characteristics

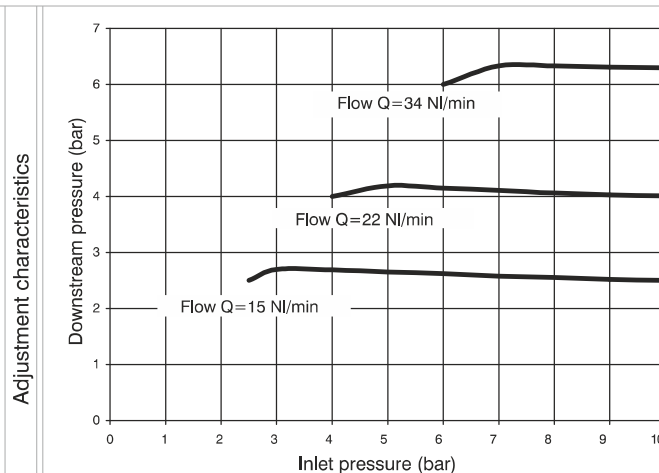
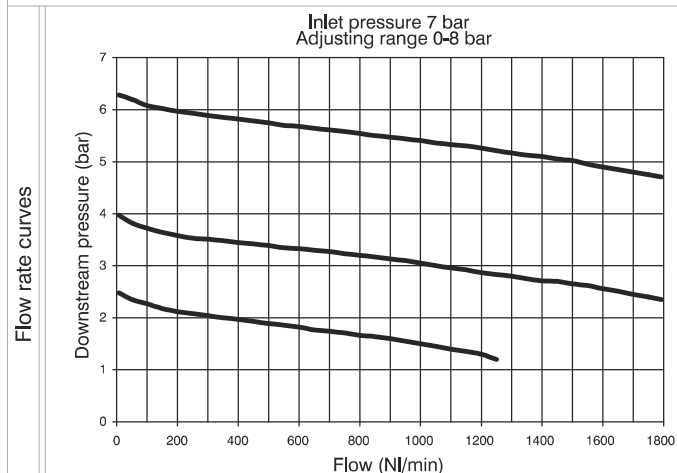
Connections	G 1/8" - G 1/4"	Ordering code
Max. inlet pressure	13 bar	
Working temperature	-5°C +50°C	V171CRGTO
Pressure gauge connections	G 1/8"	VERSION
Weight with Technopolymer threads	gr. 130	N = Metal inserts
Weight with threaded inserts	gr. 140	T = Technopolymer thread
Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar	CONNECTIONS
Assembly positions	Indifferent	A = G1/8" (only for "N" version)
Max. fitting torque (with Technopolymer threads)	G1/8" = 4 Nm G1/4" = 9 Nm	B = G1/4"
		C = G1/4" NPT (only for "N" version)
		ADJUSTING RANGE
		A = 0-2 bar
		B = 0-4 bar
		C = 0-8 bar
		D = 0-12 bar
		TYPE
		= Standard *
		F = Controlled relief + improved relieving
		L = no relieving
		R = Improved relieving
		OPTIONS
		= Standard *
		K = Lockable version

* no additional letter required

Regulator including gauge (RM)(RW)



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



Operational 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)

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

Max. fitting torque
(with threaded inserts)

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

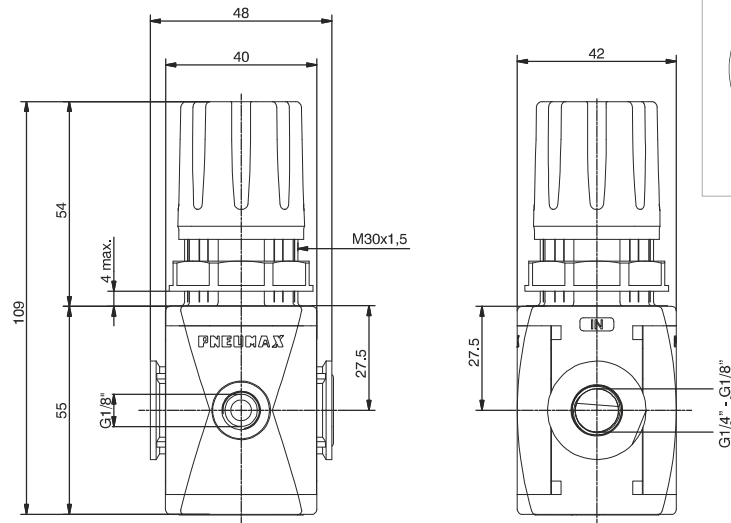
Ordering code

V171CRDGT0

VERSION
V N = Metal inserts T = Technopolymer thread
CONNECTIONS
C A = G1/8" (only for "N" version) 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 *
T F = Controlled relief + improved relieving L = no relieving R = Improved relieving
OPTIONS
O = Standard *
K = Lockable version

* no additional
letter required

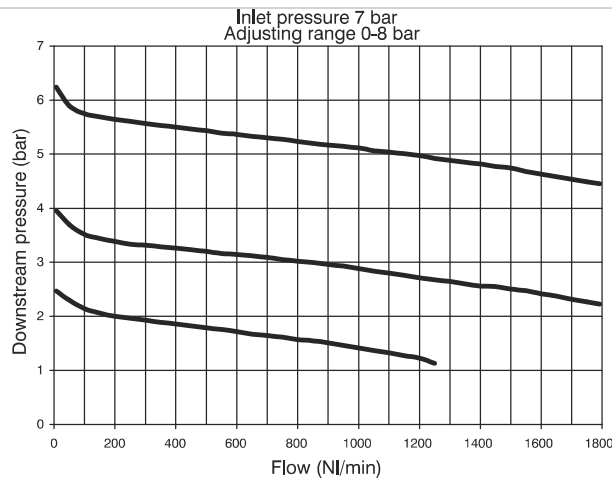
Modular pressure regulator (B)



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

3

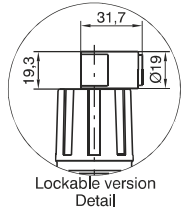
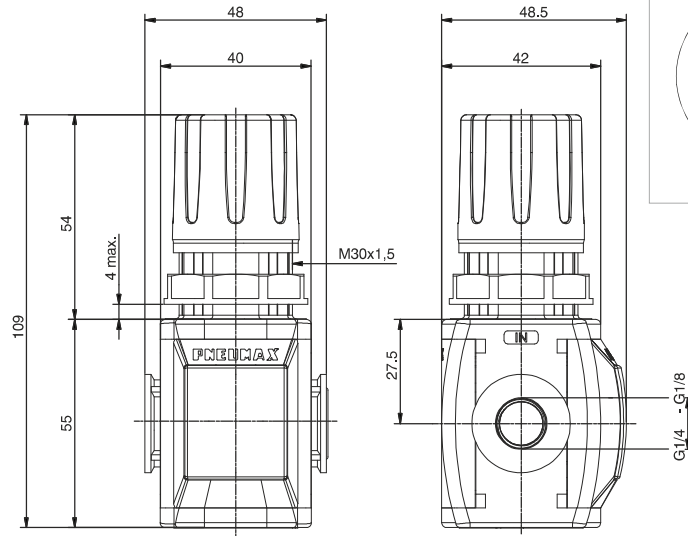
Flow rate curves



Operational characteristics	Technical characteristics		Ordering code
<ul style="list-style-type: none"> - 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. - G1/8" output front connection. - Air supply can be applied by both directions. 	Connections	G 1/8" - G 1/4"	V171C B E T O
	Max. inlet pressure	13 bar	
	Working temperature	-5°C + 50°C	VERSION N = Metal inserts T = Technopolymer thread
	Pressure gauge connections	G 1/8"	
	Weight with Technopolymer threads	gr. 130	CONNECTIONS A = G1/8" (only for "N" version) B = G1/4" C = G1/4" NPT (only for "N" version)
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.	Weight with threaded inserts	gr. 140	
	Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar	ADJUSTING RANGE A = 0-2 bar B = 0-4 bar C = 0-8 bar D = 0-12 bar
	Assembly positions	Indifferent	
	Max. fitting torque (with Technopolymer threads)	G1/8" = 4 Nm G1/4" = 9 Nm	TYPE = Standard * F = Controlled relief + improved relieving L = no relieving R = Improved relieving
	Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm	
			OPTIONS = Standard * K = Lockable version

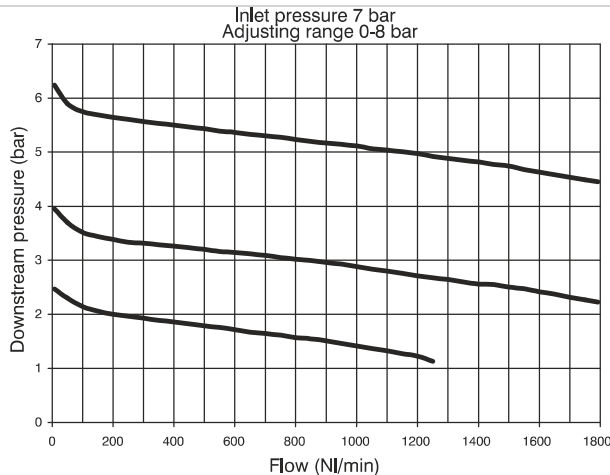
* no additional letter required

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

Flow rate curves



Operational 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.

Technical characteristics

Connections	G 1/8" - G 1/4"
Max. inlet pressure	13 bar
Working temperature	-5°C +50°C
Weight with Technopolymer threads	gr. 140
Weight with threaded inserts	gr. 150
Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar
Assembly positions	Indifferent
Max. fitting torque (with Technopolymer threads)	G1/8" = 4 Nm G1/4" = 9 Nm
Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm

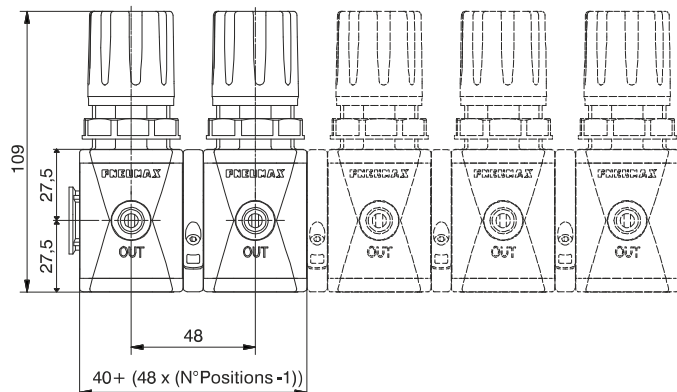
Ordering code

V171CMETO

VERSION
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)
ADJUSTING RANGE
A = 0-2 bar
B = 0-4 bar
C = 0-8 bar
D = 0-12 bar
TYPE
= Standard *
F = Controlled relief + improved relieving
L = no relieving
R = Improved relieving
OPTIONS
= Standard *
K = Lockable version

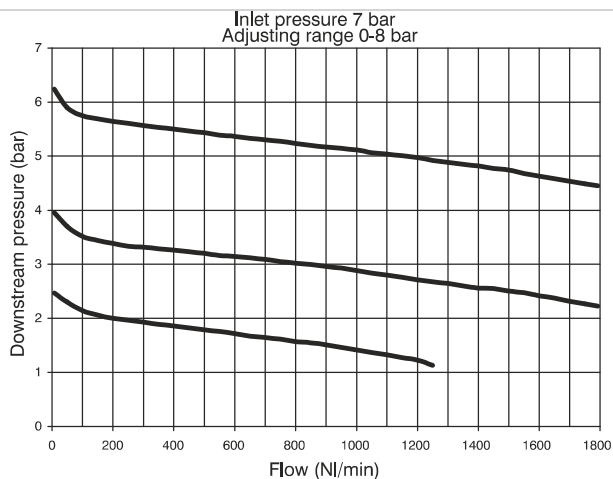
* no additional letter required

Manifold pressure regulators



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

Flow rate curves



Operational characteristics

- Inlet pressure common for the whole manifold of regulator.
- A maximum of 6 regulators can be mounted
- 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.

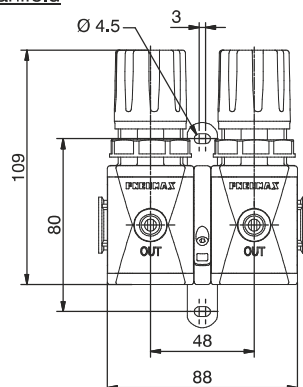
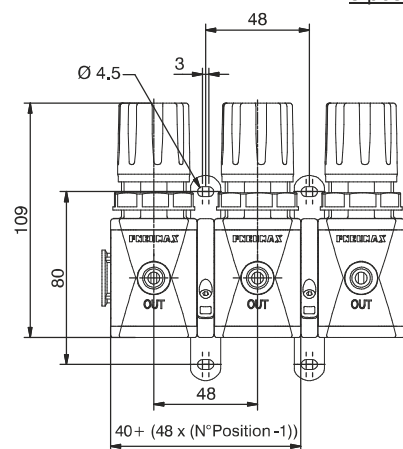
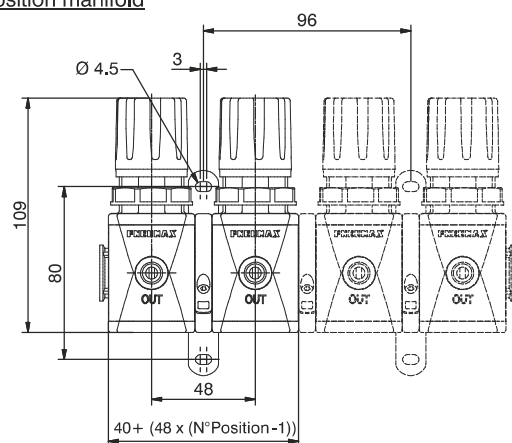
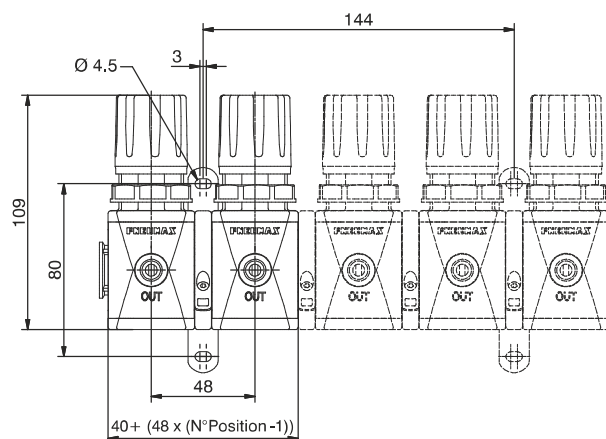
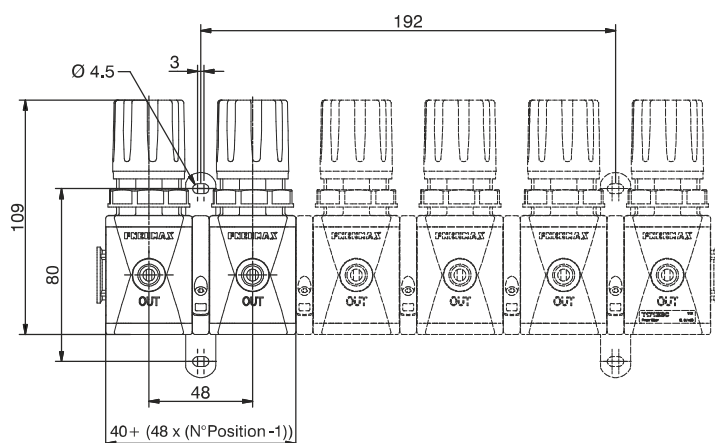
Technical characteristics

Connections	G 1/8" - G 1/4"
Max. inlet pressure	13 bar
Working temperature	-5°C +50°C
Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar
Assembly positions	indifferent
Max. fitting torque (with Technopolymer threads)	G1/8" = 4 Nm G1/4" = 9 Nm
Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm

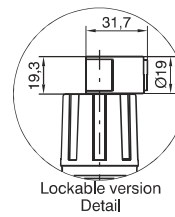
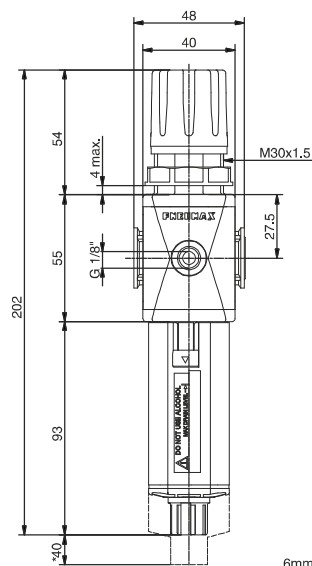
Ordering code

GV171CTNGGCGGG

VERSION	
V N = Metal inserts T = Technopolymer thread	
CONNECTIONS	
G A = G1/8" (only for "N" version) B = G1/4" C = G1/4" NPT (only for "N" version)	
TYPE	
T B = Standard with flanges X M = Manometer included with flanges X W = Standard with flanges Y Z = Manometer included with flanges Y	
NUMBER REGULATORS	
N 2 = 2 regulators 3 = 3 regulators 4 = 4 regulators 5 = 5 regulators 6 = 6 regulators	
ADJUSTING RANGE 1	
G A = 0-2 bar B = 0-4 bar C = 0-8 bar D = 0-12 bar	
ADJUSTING RANGE 2	
G A = 0-2 bar B = 0-4 bar C = 0-8 bar D = 0-12 bar	
ADJUSTING RANGE 3	
G A = 0-2 bar B = 0-4 bar C = 0-8 bar D = 0-12 bar	
ADJUSTING RANGE 4	
G A = 0-2 bar B = 0-4 bar C = 0-8 bar D = 0-12 bar	
ADJUSTING RANGE 5	
G A = 0-2 bar B = 0-4 bar C = 0-8 bar D = 0-12 bar	
ADJUSTING RANGE 6	
G A = 0-2 bar B = 0-4 bar C = 0-8 bar D = 0-12 bar	

Dimensions with Y type flanges2 position manifold3 position manifold4 position manifold5 position manifold6 position manifold

Filter-Regulator (E)

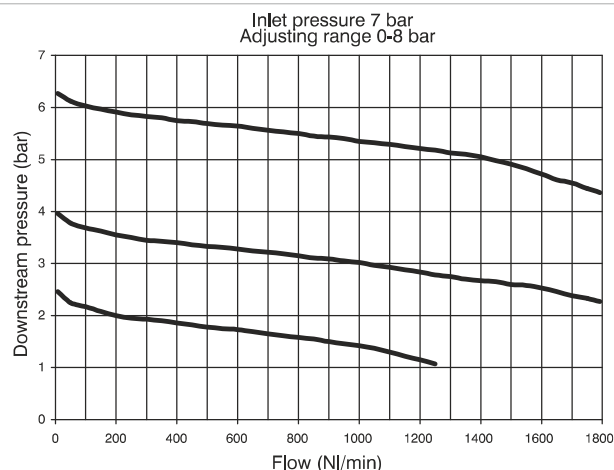


6mm hose connections

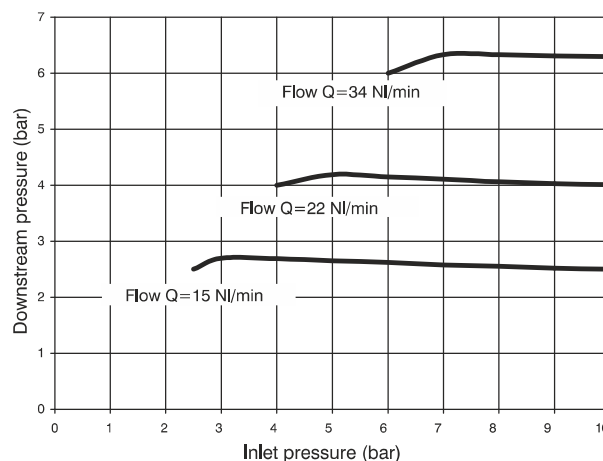
*Bowl removal maximum height

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

Flow rate curves



Adjustment characteristics



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 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.

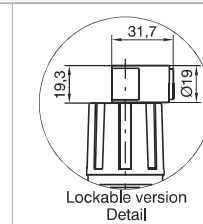
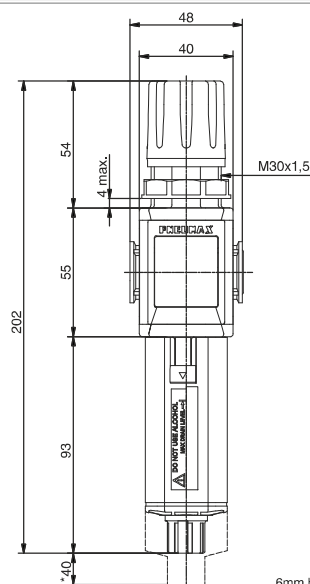
Note

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.

Technical characteristics

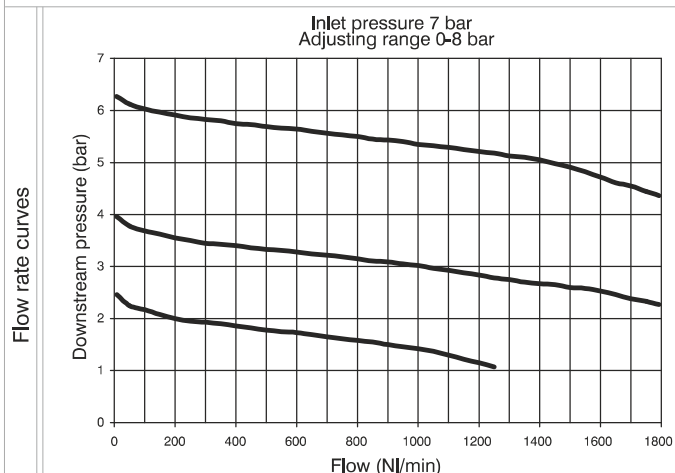
Connections	G 1/8" - G 1/4"	Ordering code V171CESGT0
Max. inlet pressure	13 bar	
Minimum working pressure	0,5 bar	VERSION V N = Metal inserts T = Technopolymer thread
with automatic drain		
Maximum working pressure	10 bar	CONNECTIONS A = G1/8" (only for "N" version) B = G1/4" C = G1/4" NPT (only for "N" version)
with automatic drain		
Working temperature	-5°C +50°C	FILTER PORE SIZE A = 5 µm B = 20 µm C = 50 µm
Pressure gauge connections	G 1/8"	
Weight with Technopolymer threads	gr. 190	ADJUSTING RANGE A = 0-2 bar B = 0-4 bar C = 0-8 bar D = 0-12 bar
Weight with threaded inserts	gr. 200	
Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar	TYPE T = Standard * S = Automatic drain
Filter pore size	5 µm - 20 µm - 50 µm	
Bowl capacity	18 cm ³	OPTIONS O = Standard * K = Lockable version
Assembly positions	Vertical	
Max. fitting torque	G1/8" = 4 Nm G1/4" = 9 Nm	* no additional letter required
(with Technopolymer threads)		
Max. fitting torque	G1/8" = 15 Nm G1/4" = 20 Nm	
(with threaded inserts)		

Filter-regulator including gauge (EM)(EW)

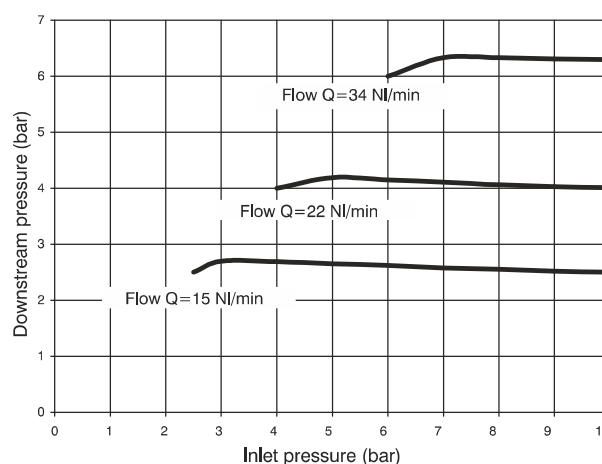
Lockable version
Detail

6mm hose connections *Bowl removal maximum height

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



Adjustment characteristics



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

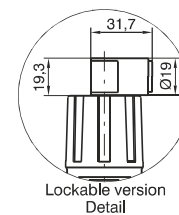
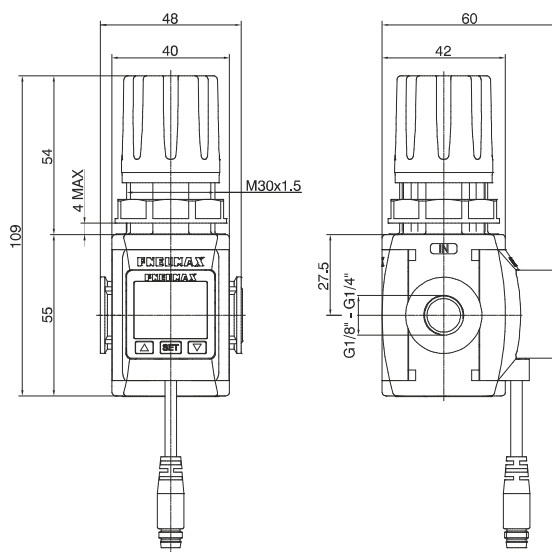
Ordering code

V171CEDSGTO

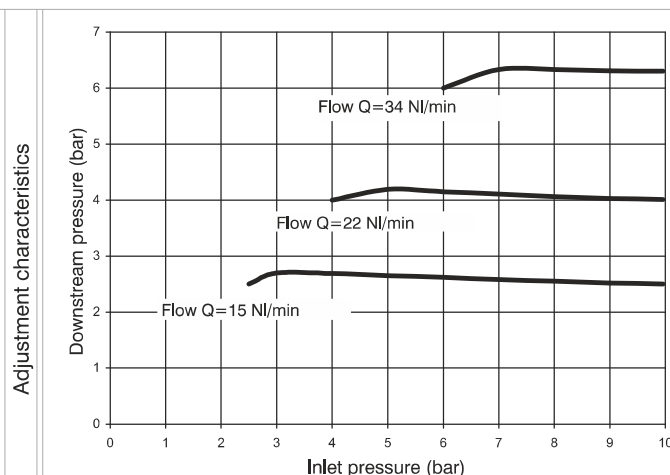
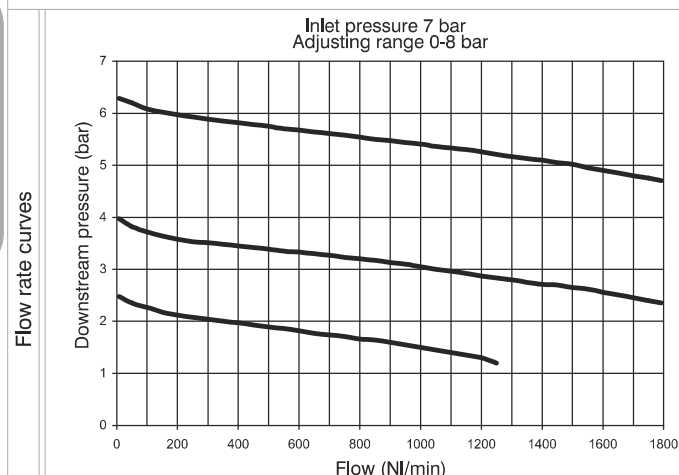
VERSION	
V	N = Metal inserts T = Technopolymer thread
CONNECTIONS	
C	A = G1/8" (only for "N" version) B = G1/4" C = G1/4" NPT (only for "N" version)
FLOW DIRECTION	
D	M = from left to right W = from right to left
FILTER PORE SIZE	
S	A = 5 µm B = 20 µm C = 50 µm
ADJUSTING RANGE	
G	A = 0-2 bar B = 0-4 bar C = 0-8 bar D = 0-12 bar
TYPE	
T	= Standard *
S	= Automatic drain
OPTIONS	
O	= Standard *
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



Operational 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.
- 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.

Technical characteristics

Connections	G 1/8" - G 1/4"
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 0-8 bar / 0-12 bar
Assembly positions	Indifferent
Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm

Max. fitting torque
(with threaded inserts)

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

Ordering code

V171ORDETOP

VERSION

- 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

- P = from left to right
- Z = from right to left

ADJUSTING RANGE

- A = 0-2 bar
- B = 0-4 bar
- C = 0-8 bar
- D = 0-12 bar

TYPE

- = Standard *
- F = Controlled relief + improved relieving
- L = no relieving
- R = Improved relieving

OPTIONS

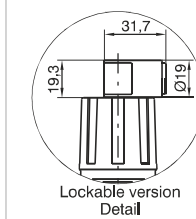
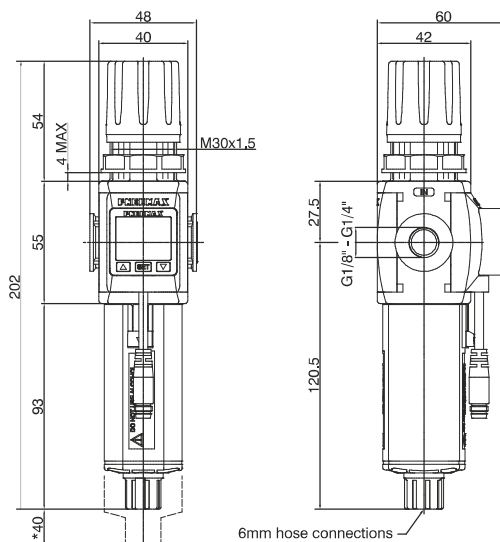
- = Standard *
- K = Lockable version

PRESSURE SWITCH OPTION

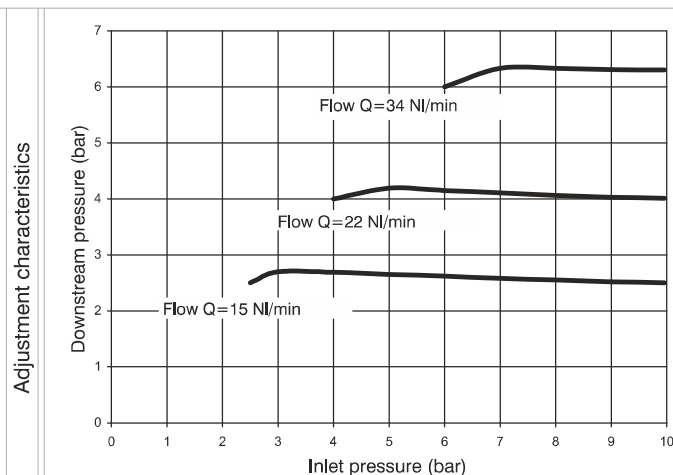
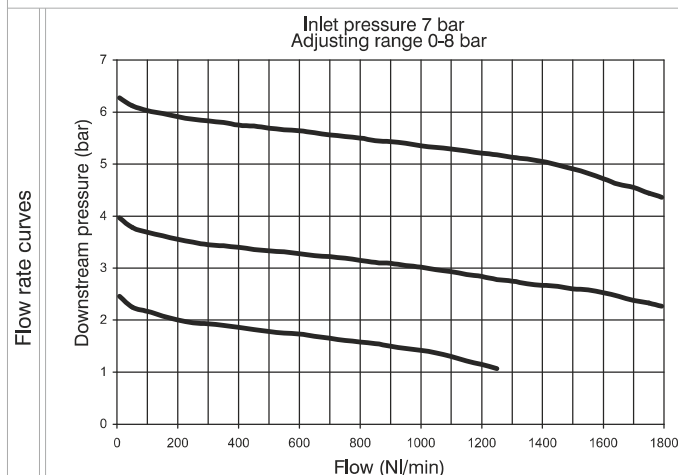
- A = Cable 150 mm + M8 PNP
- B = Cable 150 mm + M8 NPN
- C = Cable 2 mt. PNP
- D = Cable 2 mt. NPN

* no additional
letter required

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 (5 μ m, 20 μ m and 50 μ 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.
- 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"	Ordering code V171CEDSGTOP
Max. inlet pressure	13 bar	
Minimum working pressure	0,5 bar	VERSION V = Metal inserts T = Technopolymer thread
with automatic drain		
Maximum working pressure	10 bar	CONNECTIONS A = G1/8" (only for "N" version) B = G1/4" C = G1/4" NPT (only for "N" version)
with automatic drain		
Working temperature	0°C +50°C	FLOW DIRECTION D = from left to right Z = from right to left
Weight with Technopolymer threads	gr. 200	
Weight with threaded inserts	gr. 210	FILTER PORE SIZE S = A = 5 μ m B = 20 μ m C = 50 μ m
Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar	
Filter pore size	5 μ m - 20 μ m - 50 μ m	ADJUSTING RANGE G = A = 0-2 bar B = 0-4 bar C = 0-8 bar D = 0-12 bar
Bowl capacity	18 cm ³	
Assembly positions	Vertical	TYPE T = Standard * S = Automatic drain
Max. fitting torque	G1/4" = 9 Nm	
(with Technopolymer threads)		OPTIONS O = Standard * K = Lockable version
Max. fitting torque	G1/8" = 15 Nm G1/4" = 20 Nm	
(with threaded inserts)		PRESSURE SWITCH OPTION P = 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

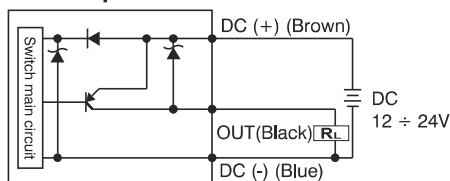


CHARACTERISTICS

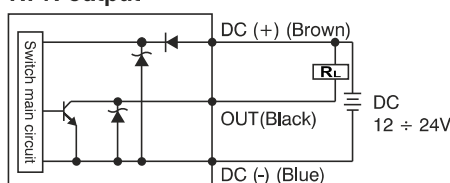
- 3 color digital LCD display, easy readout
- 4 units of measurement for pressure indication
- PNP and NPN output
- N.O. and N.C. output contact
- Not available individually, but only with a Regulator or a Filter-regulator

OUTPUT CIRCUIT WIRING DIAGRAMS

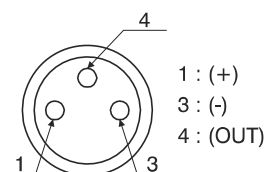
PNP output



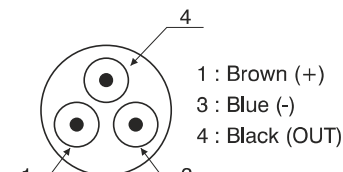
NPN output



M8 CONNECTOR PIN LAY OUT



3 WIRES CABLE LAY OUT



Cable ordering code

- MCH1** cable 3 wires l=2,5m with M8 connector
MCH2 cable 3 wires l=5m with M8 connector
MCH3 cable 3 wires l=10m with M8 connector

Connector

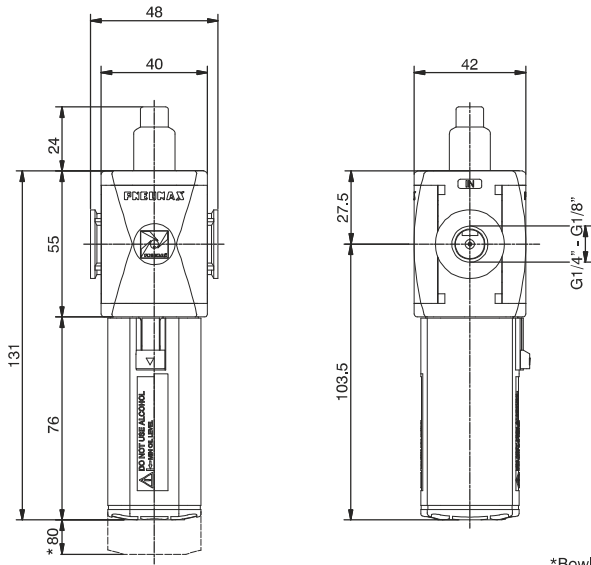


TECHNICAL CHARACTERISTICS

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/cm ² - 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 hysteresis
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 0,129mm ² , Ø4 mm, PVC



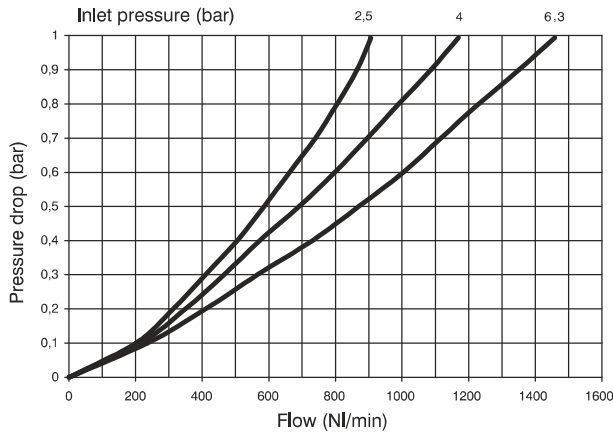
Lubricator (L)



*Bowl removal maximum height

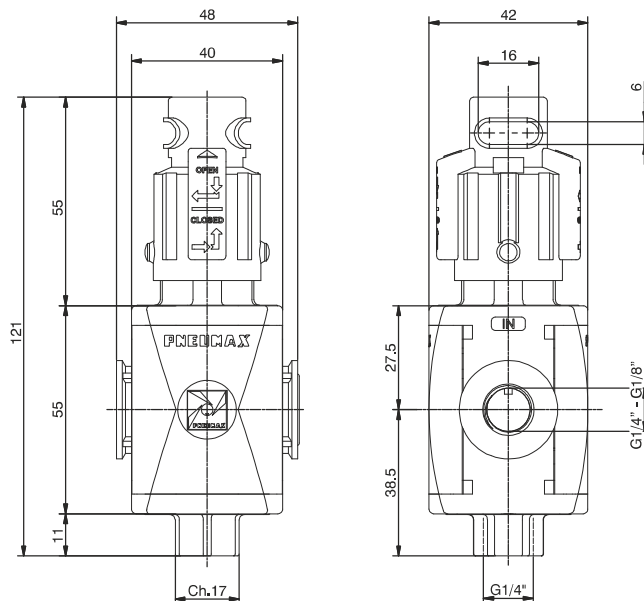
Example : T171BL : size 1, Lubricator with Technopolymer threads, G1/4" connections

Flow rate curves



Operational characteristics	Technical characteristics		
<ul style="list-style-type: none">- Oil mist lubrication with variable orifice size in function of the flow rate- Oil quantity regulation mechanism and oil quantity visualization dome made of polycarbonate.- Transparent bowl made off polycarbonate with bowl protection guard.- Bowl assembly via bayonet type quick coupling mechanism with safety button.	Connections	G 1/8" - G 1/4"	Ordering code
	Max. inlet pressure	13 bar	
	Working temperature	-5°C +50°C	V171CL
	Weight with Technopolymer threads	gr. 110	
Note Install as close as possible to the point of use Do not use alcohol, degreasing oils or solvents.	Weight with threaded inserts	gr. 120	VERSION N = Metal inserts T = Technopolymer thread
	Indicative oil drip rate	1 drop every 300/600 NI	
	Oil type	FD22 - HG32	CONNECTIONS A = G1/8" (only for "N" version) B = G1/4" C = G1/4" NPT (only for "N" version)
	Bowl capacity	36 cm ³	
Assembly positions		Vertical	
Max. fitting torque (with Technopolymer threads)		G1/4" = 9 Nm	
Max. fitting torque (with threaded inserts)		G1/8" = 15 Nm 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

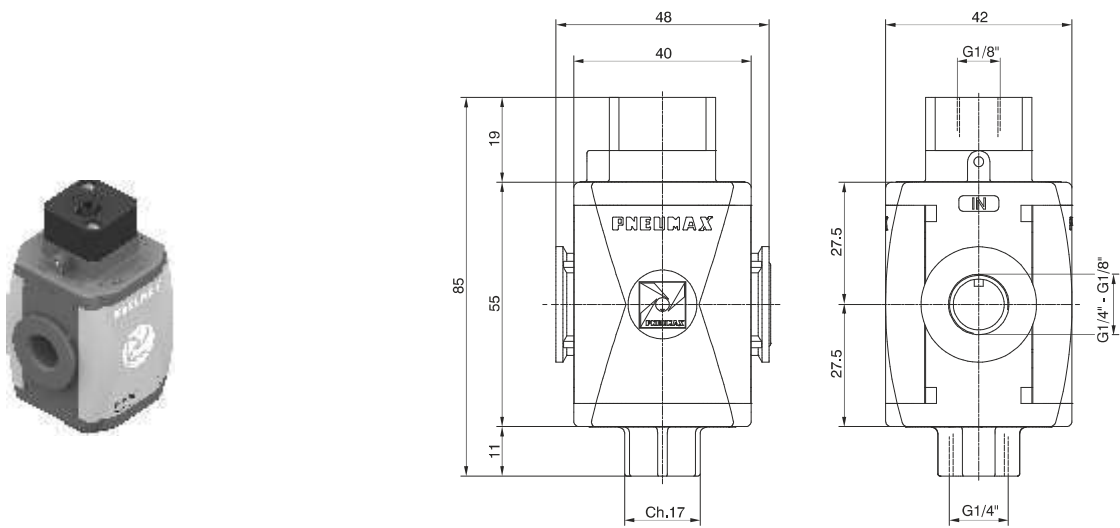
Operational characteristics

- 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"	Ordering code
Max. inlet pressure	13 bar	
Discharge connection	G1/4"	V171C VL V VERSION N = Metal inserts T = Technopolymer thread
Working temperature	-5°C +50°C	
Weight with Technopolymer threads	gr. 100	C CONNECTIONS A = G1/8" (only for "N" version) B = G1/4" C = G1/4" NPT (only for "N" version)
Weight with threaded inserts	gr. 110	
Assembly positions	Indifferent	
Handle opening and closing angle	90°	
Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm	
Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm	
Nominal flow rate at 6 bar with $\Delta p=1$	1400 NI/min.	
Exhaust nominal flow rate at 6 bar with $\Delta p=1$	550 NI/min.	

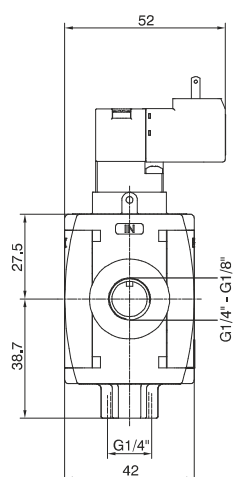
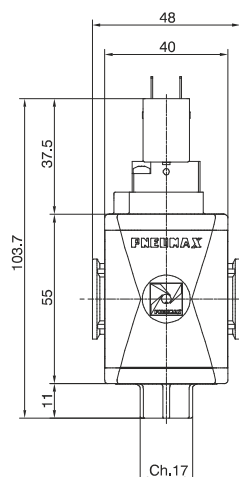
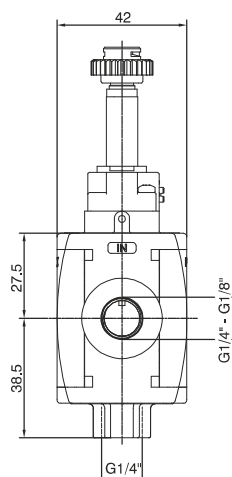
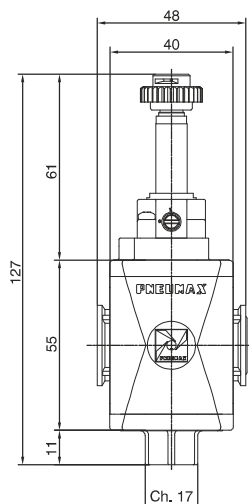
Pneumatic shut-off valve (VP)



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

Operational characteristics	Technical characteristics		
<div><div></div><div>- Pneumatic operated 3 ways poppet valve.</div><div>- When the pneumatic signal is removed the valves exhaust the pneumatic circuit</div></div>	Connections	G 1/8" - G 1/4"	Ordering code
	Discharge connection	G1/4"	V171CVP
	Pilot port size	G1/8"	
	Working temperature	-5°C +50°C	VVERSION
	Weight with technopolymer threads	gr. 94	
	Weight with threaded inserts	gr. 99	CCONNECTIONS
	Assembly positions	Indifferent	
	Min. pressure working	3 bar	A = G1/8" (only for "N" version) B = G1/4" C = G1/4" NPT (only for "N" version)
	Max. pressure working	10 bar	
	Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm	
	Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm	
	Nominal flow rate at 6 bar with Δp=1	1400 NI/min.	
	Exhaust nominal flow rate at 6 bar with Δp=1	550 NI/min.	

Electric shut-off valve (VE)

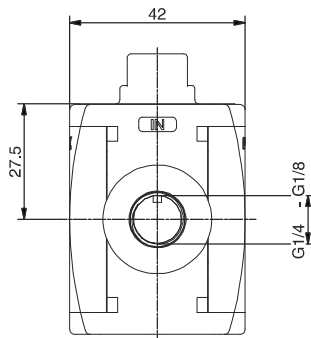
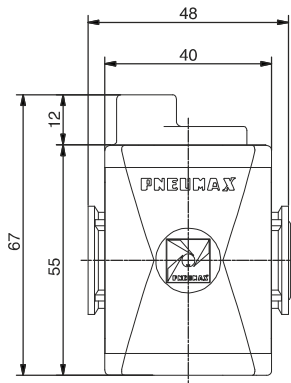


Example : T171BVEB2 : size 1, Electric shut-off valve, with M2 pilot without coil, Technopolymer threads, G1/4" connections

Operational characteristics	Technical characteristics		Ordering code
<ul style="list-style-type: none"> - Solenoid operated 3 ways poppet valve. - The model fitted with 15 mm pilots uses pilots series N33_0A and N33_0E (1 Watt) 	Supply and operating connections	G 1/8" - G 1/4"	V171CVEA VERSION 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) 15 mm COIL VOLTAGE A4 = 12 V DC A5 = 24 V DC A6 = 24 V AC (50-60 Hz) A7 = 110 V AC (50-60 Hz) A8 = 220 V AC (50-60 Hz) 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 Hz) B7 = 110 V AC (50-60 Hz) B8 = 220 V AC (50-60 Hz) 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)
	Discharge connections	G 1/4"	
	Working temperature	-5°C +50°C	
	Weight with Technopolymer threads	130 g	
	Weight with threaded inserts	140 g	
	Assembly positions	Indifferent	
	Min. Pressure working	3 bar	
	Max. Pressure working	10 bar	
	Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm	
	Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm	
	Nominal flow rate at 6 bar with $\Delta p = 1$	1400 NI/min.	
	Exhaust nominal flow rate at 6 bar with $\Delta p = 1$	550 NI/min.	



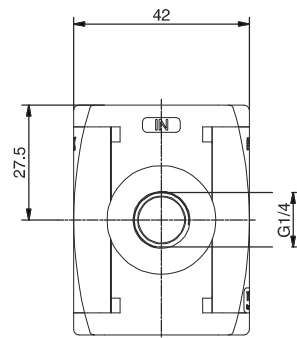
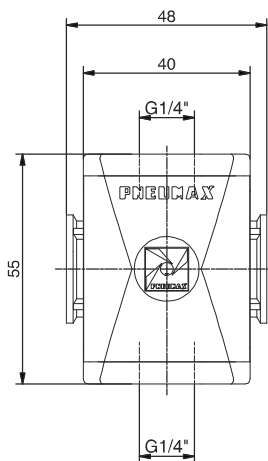
Progressive start-up valve (AP)



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

Operational characteristics	Technical characteristics		
<ul style="list-style-type: none">- 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.	Connections	G 1/8" - G 1/4"	Ordering code
	Max. inlet pressure	13 bar	
	Working temperature	-5°C +50°C	V171CAP
	Weight with Technopolymer threads	gr. 70	
	Weight with threaded inserts	gr. 80	VERSION
	Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm	
	Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm	N = Metal inserts T = Technopolymer thread
	Assembly positions	Indifferent	
	Min. pressure working	2,5 bar	CONNECTIONS
	Nominal flow rate at 6 bar with Δp=1	1400 NI/min.	
	Fully open built in flow regulator flow rate	75 NI/min.	A = G1/8" (only for "N" version) B = G1/4" C = G1/4" NPT (only for "N" version)

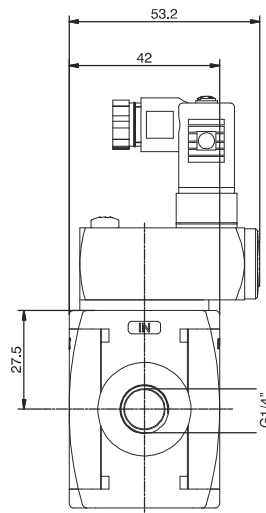
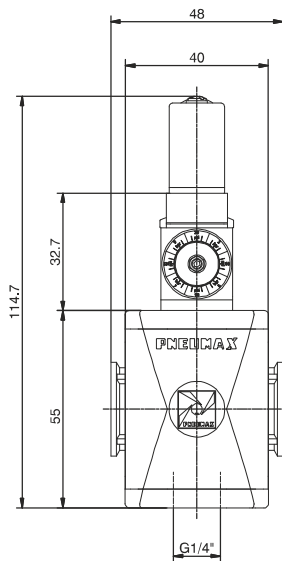
Air intake (PA)



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

Operational characteristics	Technical characteristics		
<ul style="list-style-type: none">- Available with two G1/4" threaded connections. <p>Attention For this product are available only Technopolymer connections</p>	Connections	G 1/4"	Ordering code
	Max. inlet pressure	13 bar	
	Working temperature	-5°C +50°C	T171BPA
	Weight	gr. 52	
	Assembly positions	Indifferent	
	Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm	

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).

Attention

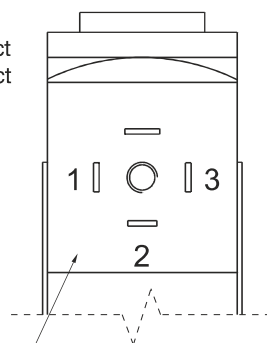
For this product are available only Technopolymer connections

Technical characteristics

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

Connection

- 1 = neutral
- 2 = N.C. contact
- 3 = N.O. contact

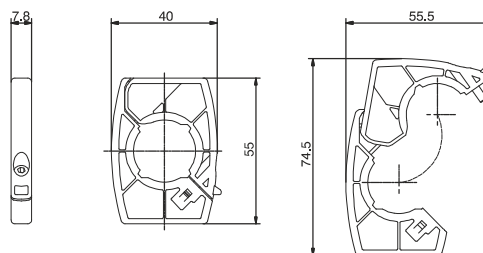


DIN 43650 type C connector

Flange X

Ordering code

T171X



Weight 12 gr.

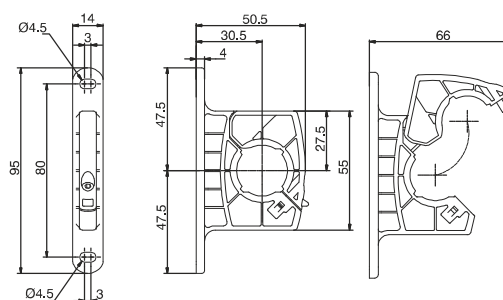
Example : T171X : Size 1 coupling flange

- Enables the quick connection of two functions

Flange Y

Ordering code

T171Y

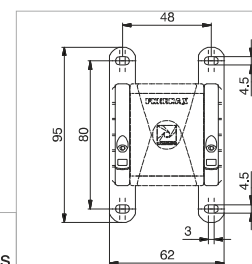


Weight 18 gr.

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.

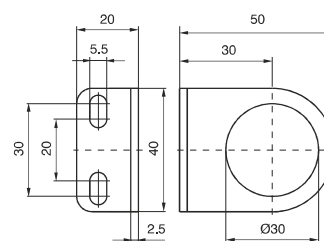
Single unit panel
mounting dimensions



Fixing bracket

Ordering code

17150



Weight 32 gr.

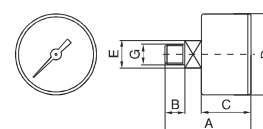
- Allows for regulators and filter regulators to be panel mounted.

Pressure gauge

Ordering code

17070

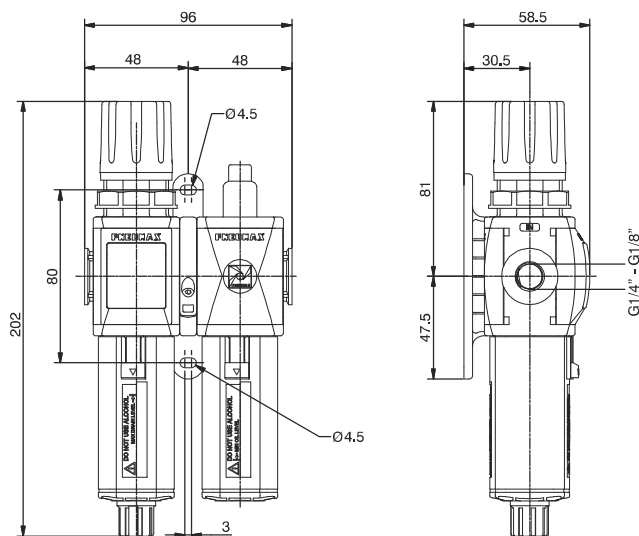
VERSION	
V	A = Dial Ø40 B = Dial Ø50
SCALE	
S	A = Scale 0-4 bar B = Scale 0-6 bar C = Scale 0-12 bar



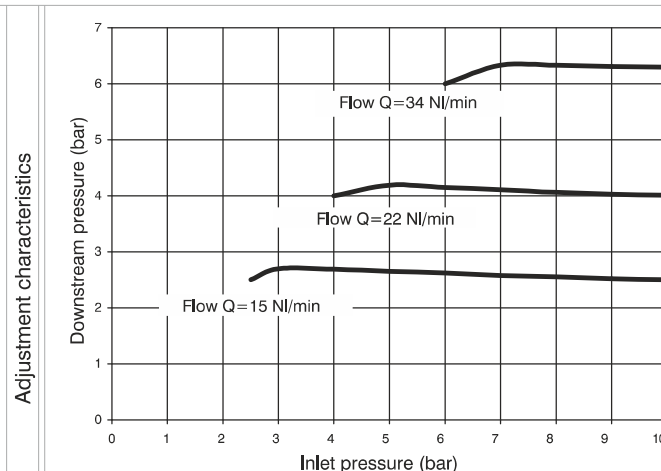
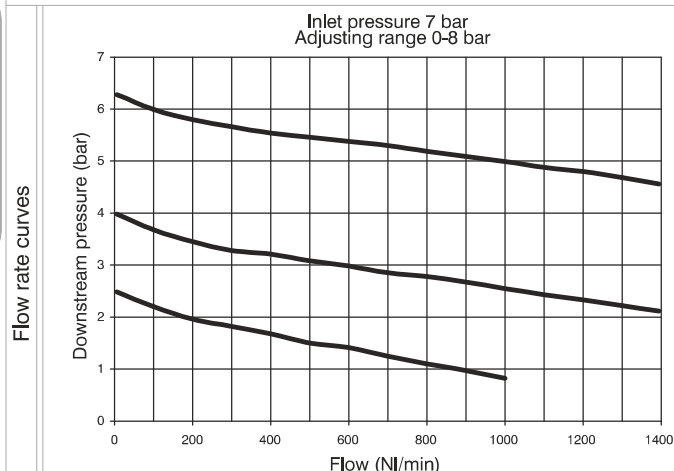
DIMENSIONS						
CODE	A	B	C	D	E	G
17070A	44	10	26	41	14	1/8"
17070B	45	10	27	49	14	1/8"

						Weight gr.
						60
						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.

Technical characteristics

Connections	G 1/8" - G 1/4"
Max. inlet pressure	13 bar
Working temperature	-5°C +50°C
Weight with Technopolymer threads	gr. 328
Weight with threaded inserts	gr. 348
Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar
Filter pore size	5 μ m - 20 μ m - 50 μ m
Bowl capacity	18 cm ³
Indicative oil drip rate	1 drop every 300/600 NI
Oil type	FD22 - HG32
Bowl capacity	36 cm ³
Assembly positions	Vertical
Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm
Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm
Min. operational flow at 6,3 bar	40 NI/min.

Ordering code

GV171C1S00

VERSION

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)

TYPE

H = Built in gauge
J = G1/8" gauge connection

FILTER PORE SIZE

ADJUSTING RANGE

C = 5 μ m / 0-8 bar

D = 5 μ m / 0-12 bar

G = 20 μ m / 0-8 bar

H = 20 μ m / 0-12 bar

N = 50 μ m / 0-8 bar

P = 50 μ m / 0-12 bar

OPTIONS

= Standard *

S = Automatic drain

FLOW DIRECTION

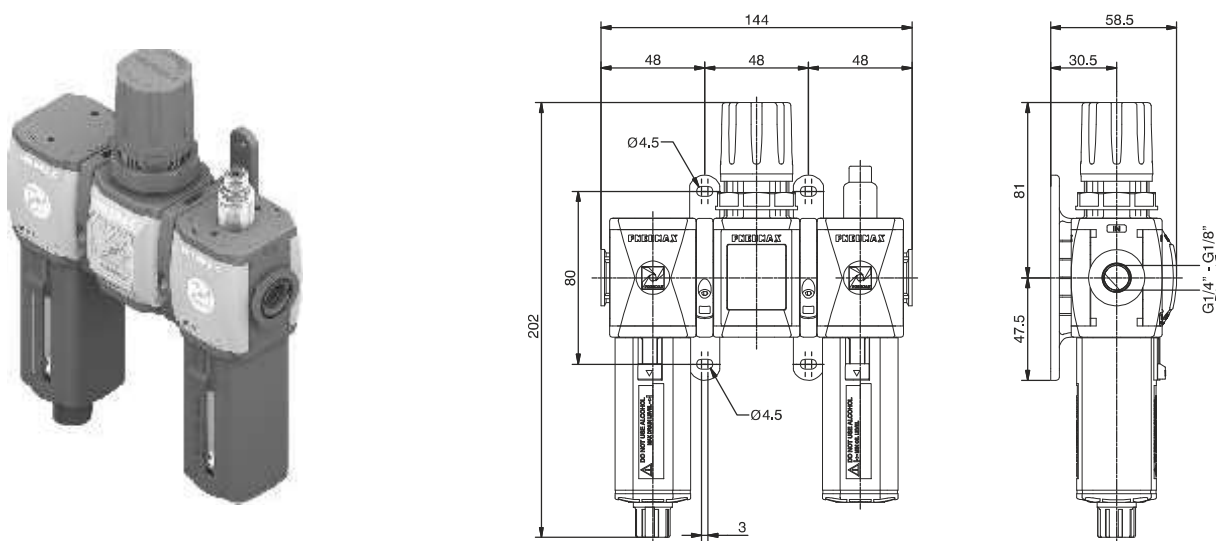
= Standard *

(from left to right)

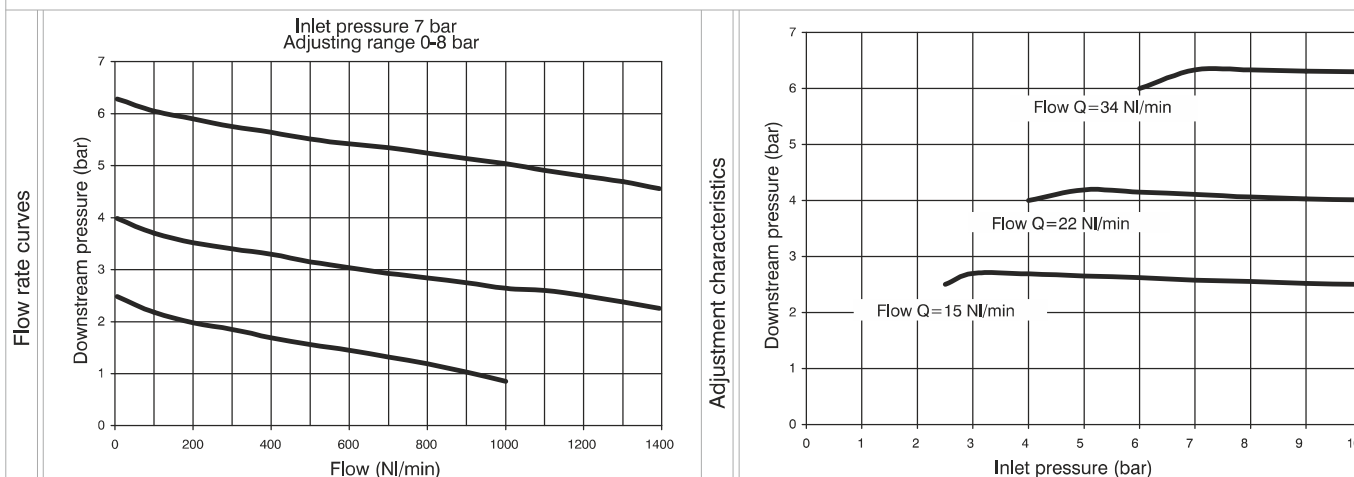
W = from right to left

* no additional
letter required

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 μ m 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

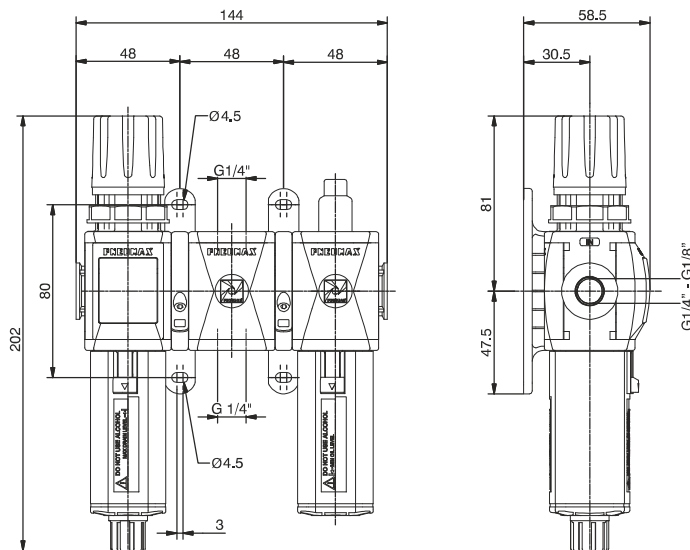
The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

Technical characteristics

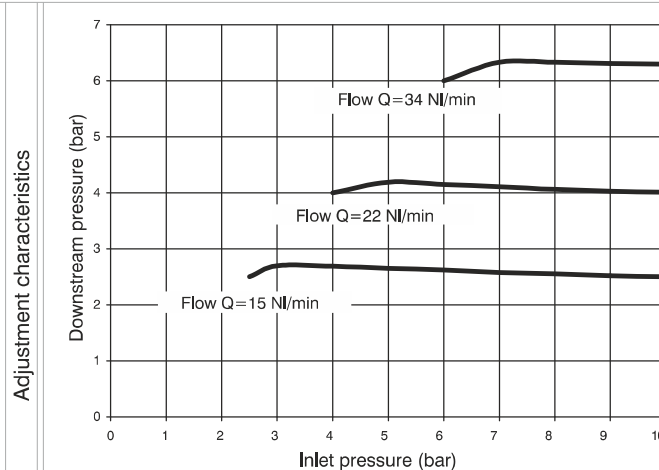
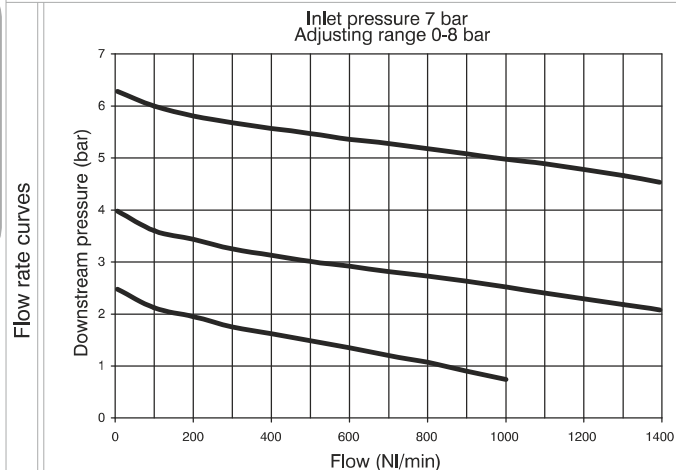
Connections	G 1/8" - G 1/4"	Ordering code
Max. inlet pressure	13 bar	
Working temperature	-5°C +50°C	GV171CTSD
Weight with Technopolymer threads	gr. 406	
Weight with threaded inserts	gr. 436	VERSION
Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar	
Filter pore size	5 μ m - 20 μ m - 50 μ m	CONNECTIONS
Bowl capacity	18 cm ³	
Indicative oil drip rate	1 drop every 300/600 NI	TYPE
Oil type	FD22 - HG32	
Bowl capacity	36 cm ³	FILTER PORE SIZE ADJUSTING RANGE
Assembly positions	Vertical	
Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm	OPTIONS
Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm	
Min. operational flow at 6,3 bar	40 NI/min.	FLOW DIRECTION

* no additional
letter required

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 µm 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

Connections	G 1/8" - G 1/4"
Max. inlet pressure	13 bar
Working temperature	-5°C +50°C
Weight with Technopolymer threads	gr. 398
Weight with threaded inserts	gr. 418
Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar
Filter pore size	5 µm - 20 µm - 50 µm
Bowl capacity	18 cm ³
Indicative oil drip rate	1 drop every 300/600 NI
Oil type	FD22 - HG32
Bowl capacity	36 cm ³
Assembly positions	Vertical
Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm
Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm
Min. operational flow at 6,3 bar	40 NI/min.

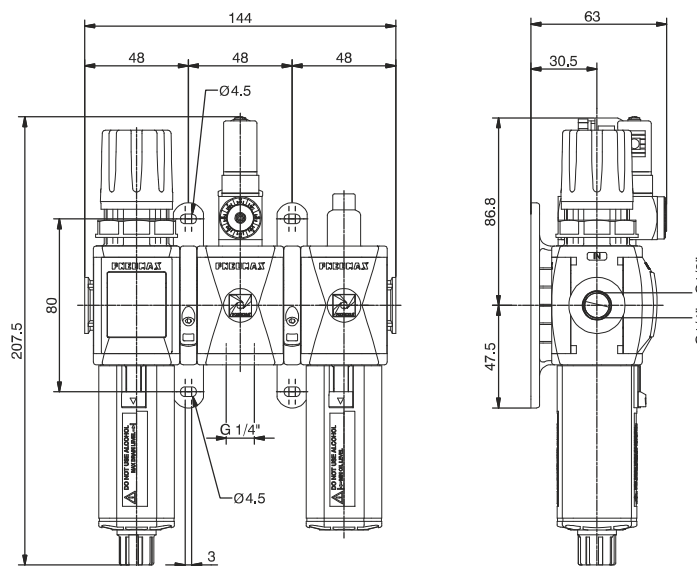
Ordering code

GV171CT1S00

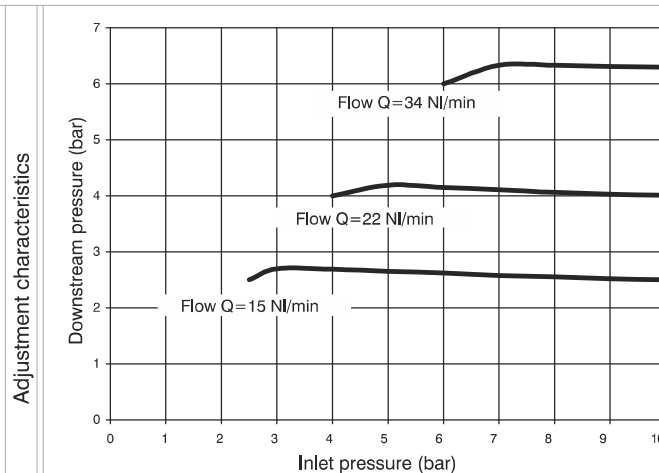
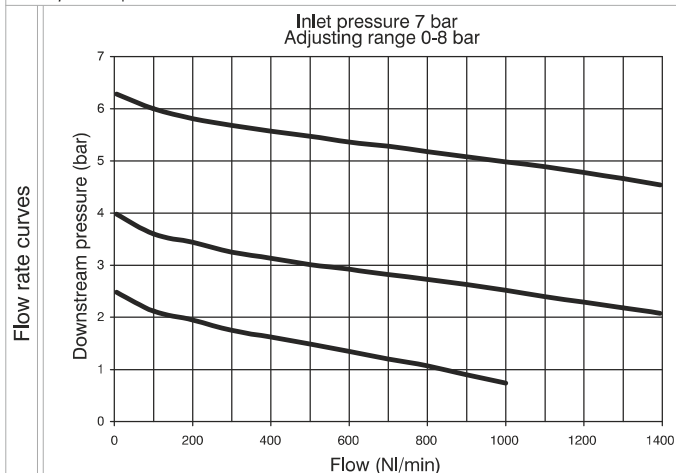
VERSION	
V N = Metal inserts	
T = Technopolymer thread	
CONNECTIONS	
C A = G1/8" (only for "N" version)	
B = G1/4"	
C = G1/4" NPT (only for "N" version)	
TYPE	
T N = Built in gauge	
P = G1/8" gauge connection	
FILTER PORE SIZE	
S ADJUSTING RANGE	
C = 5 µm / 0-8 bar	
D = 5 µm / 0-12 bar	
G = 20 µm / 0-8 bar	
H = 20 µm / 0-12 bar	
N = 50 µm / 0-8 bar	
P = 50 µm / 0-12 bar	
OPTIONS	
O = Standard *	
S = Automatic drain	
FLOW DIRECTION	
D = Standard	
(from left to right)	
W = from right to left	

* no additional letter required

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 µm 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

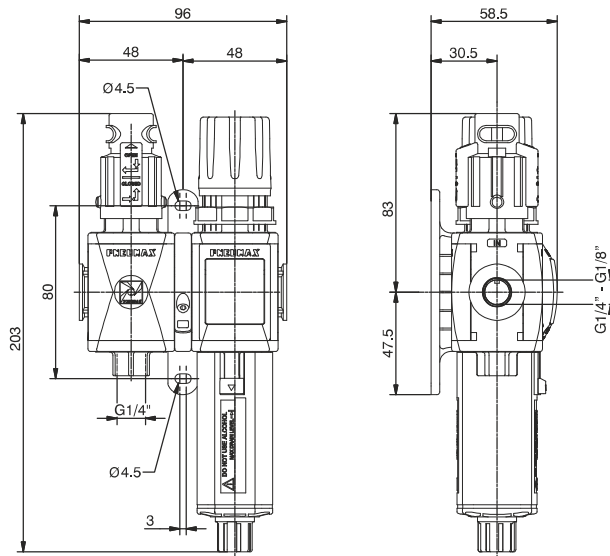
The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

Technical characteristics

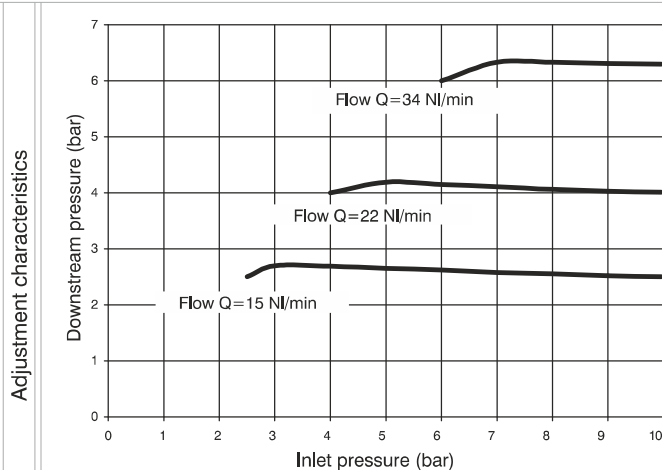
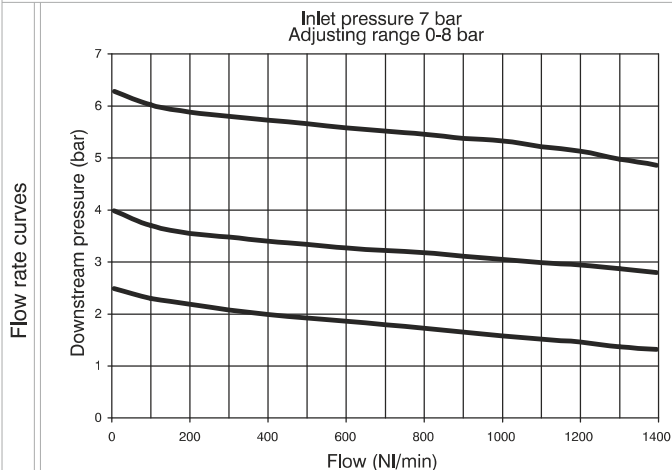
Connections	G 1/8" - G 1/4"	Ordering code GV171CTSD0
Max. inlet pressure	13 bar	
Working temperature	-5°C +50°C	VERSION V N = Metal inserts T = Technopolymer thread
Weight with Technopolymer threads	gr. 484	
Weight with threaded inserts	gr. 504	CONNECTIONS A = G1/8" (only for "N" version) B = G1/4" C = G1/4" NPT (only for "N" version)
Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar	
Filter pore size	5 µm - 20 µm - 50 µm	TYPE T R = Built in gauge C = G1/8" gauge connection
Bowl capacity	18 cm ³	
Indicative oil drip rate	1 drop every 300/600 NI	FILTER PORE SIZE ADJUSTING RANGE C = 5 µm / 0-8 bar D = 5 µm / 0-12 bar G = 20 µm / 0-8 bar H = 20 µm / 0-12 bar N = 50 µm / 0-8 bar P = 50 µm / 0-12 bar
Oil type	FD22 - HG32	
Bowl capacity	36 cm ³	OPTIONS O = Standard * S = Automatic drain
Assembly positions	Vertical	
Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm	FLOW DIRECTION D = Standard (from left to right) W = from right to left
Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm	
Min. operational flow at 6,3 bar	40 NI/min.	

* no additional
letter required

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



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 µm 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

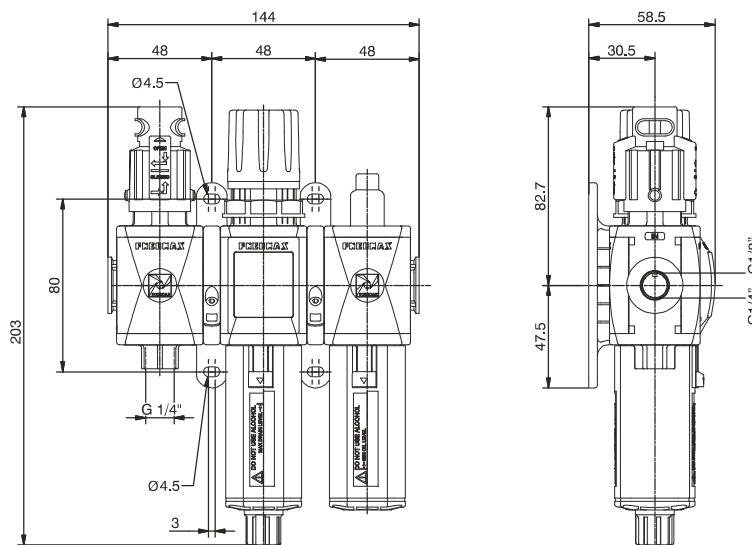
The pressure must be **always** regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

Technical characteristics

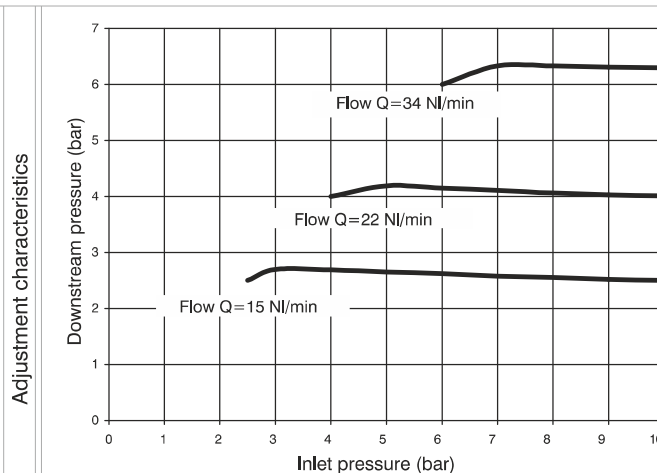
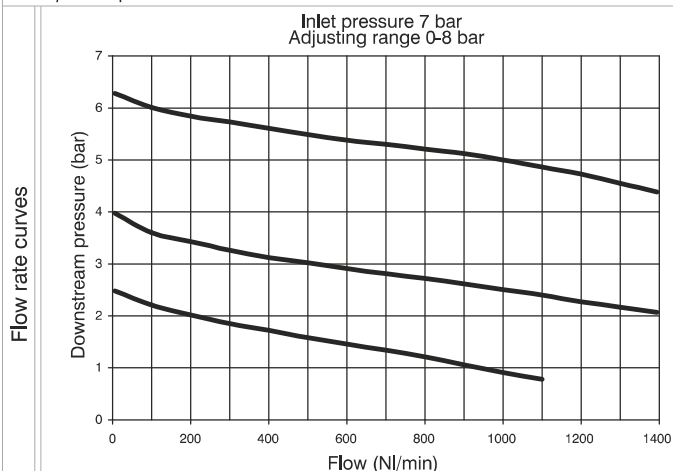
Connections	G 1/8" - G 1/4"	Ordering code GV171CTSO0
Max. inlet pressure	13 bar	
Working temperature	-5°C + 50°C	VERSION V N = Metal inserts T = Technopolymer thread
Weight with Technopolymer threads	gr. 318	
Weight with threaded inserts	gr. 338	CONNECTIONS A = G1/8" (only for "N" version) B = G1/4" C = G1/4" NPT (only for "N" version)
Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar	
Filter pore size	5 µm - 20 µm - 50 µm	TYPE 1 VG = Built in gauge VU = G1/8" gauge connection
Bowl capacity	18 cm ³	
Indicative oil drip rate	1 drop every 300/600 NI	FILTER PORE SIZE ADJUSTING RANGE C = 5 µm / 0-8 bar D = 5 µm / 0-12 bar G = 20 µm / 0-8 bar H = 20 µm / 0-12 bar N = 50 µm / 0-8 bar P = 50 µm / 0-12 bar
Oil type	FD22 - HG32	
Bowl capacity	36 cm ³	OPTIONS O = Standard * S = Automatic drain
Assembly positions	Vertical	
Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm	FLOW DIRECTION D = Standard (from left to right) W = from right to left
Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm	
Min. operational flow at 6,3 bar	40 NI/min.	

* no additional
letter required

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

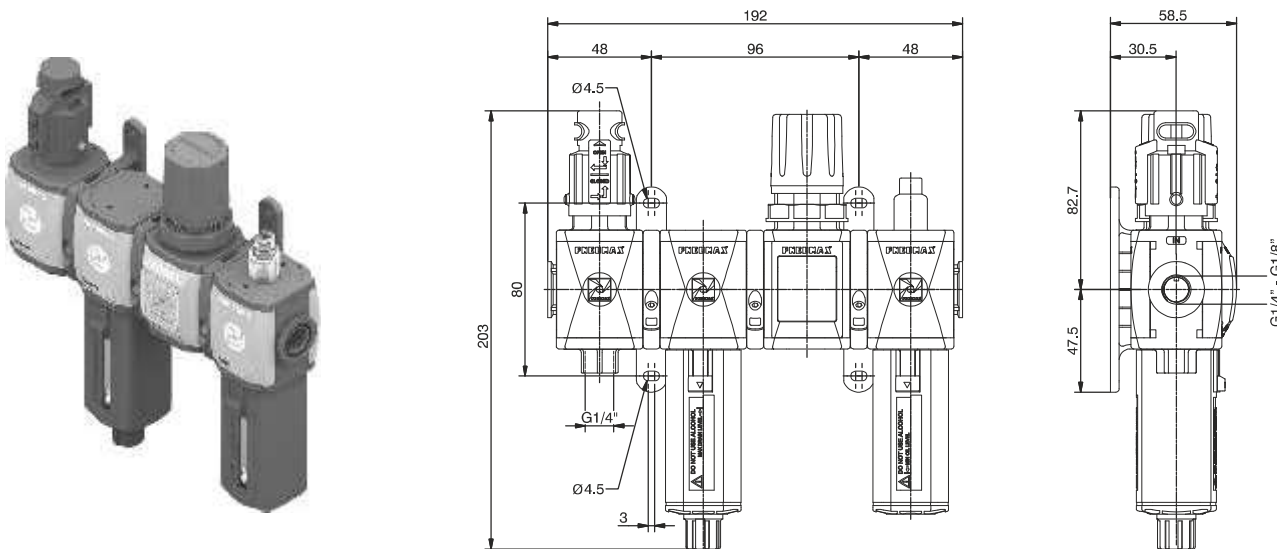


Example : GT171BVHG : size 1 combined group comprising Shut-off valve, Filter-regulator and Lubricator Technopolymer threads, G1/4" connections 0 to 8 bar adjusting range and 20 µm filter pore size

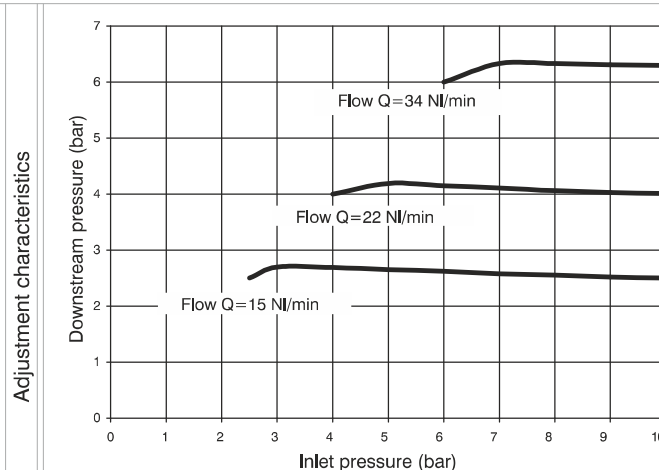
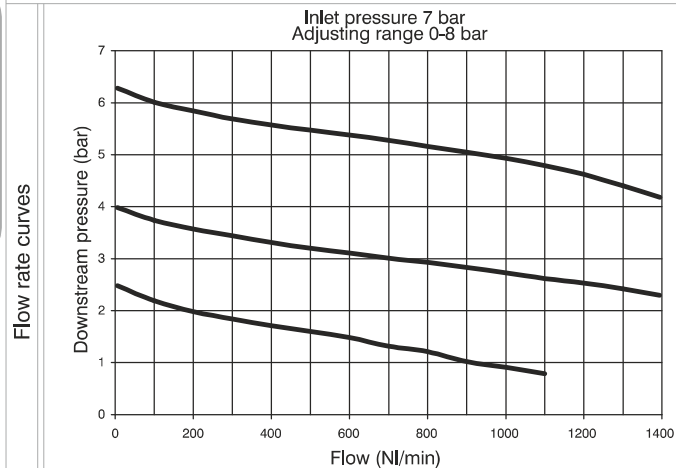


Operational characteristics	Technical characteristics				
<p>Combined group comprising manual shut-off valve, Filter - regulator with built in manometer and Lubricator assembled with two(Y) type coupling kits for panel mountings.</p> <p>Integrated manometer 0-12 bar as standard (for 0-8 and 0-12 bar range) and 0-4 bar (for 0-2 and 0-4 range)</p> <p>Note</p> <p>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.</p>	Connections	G 1/8" - G 1/4"	Ordering code		
	Max. inlet pressure	13 bar			
	Working temperature	-5°C +50°C	G V 171 C T S O D	VERSION	
	Weight with Technopolymer threads	gr. 446		V N = Metal inserts T = Technopolymer thread	
	Weight with threaded inserts	gr. 476	C	CONNECTIONS	
	Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar		A = G1/8" (only for 'N' version) B = G1/4" C = G1/4" NPT(only for 'N' version)	
	Filter pore size	5 µm - 20 µm - 50 µm	T	TYPE	
	Bowl capacity	18 cm³		VH = Built in gauge VJ = G1/8" gauge connection	
	Indicative oil drip rate	1 drop every 300/600 NI	S	FILTER PORE SIZE ADJUSTING RANGE	
	Oil type	FD22 - HG32		C = 5 µm / 0-8 bar D = 5 µm / 0-12 bar G = 20 µm / 0-8 bar H = 20 µm / 0-12 bar N = 50 µm / 0-8 bar P = 50 µm / 0-12 bar	
	Bowl capacity	36 cm³		O	OPTIONS
	Assembly positions	Vertical			= Standard * S = Automatic drain
	Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm		D	FLOW DIRECTION
	Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm	= Standard (from left to right) W = from right to left		
Min. operational flow at 6,3 bar	40 NI/min.	* no additional letter required			

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



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 µm 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

Connections	G 1/8" - G 1/4"
Max. inlet pressure	13 bar
Working temperature	-5°C +50°C
Weight with Technopolymer threads	gr. 518
Weight with threaded inserts	gr. 558
Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar
Filter pore size	5 µm - 20 µm - 50 µm
Bowl capacity	18 cm ³
Indicative oil drip rate	1 drop every 300/600 NI
Oil type	FD22 - HG32
Bowl capacity	36 cm ³
Assembly positions	Vertical
Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm
Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm
Min. operational flow at 6,3 bar	40 NI/min.

Ordering code

GV171CTSOO

VERSION

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)

TYPE

VK = Built in gauge

VT = G1/8" gauge connection

FILTER PORE SIZE

ADJUSTING RANGE

C = 5 µm / 0-8 bar

D = 5 µm / 0-12 bar

G = 20 µm / 0-8 bar

H = 20 µm / 0-12 bar

N = 50 µm / 0-8 bar

P = 50 µm / 0-12 bar

OPTIONS

= Standard *

S = Automatic drain

FLOW DIRECTION

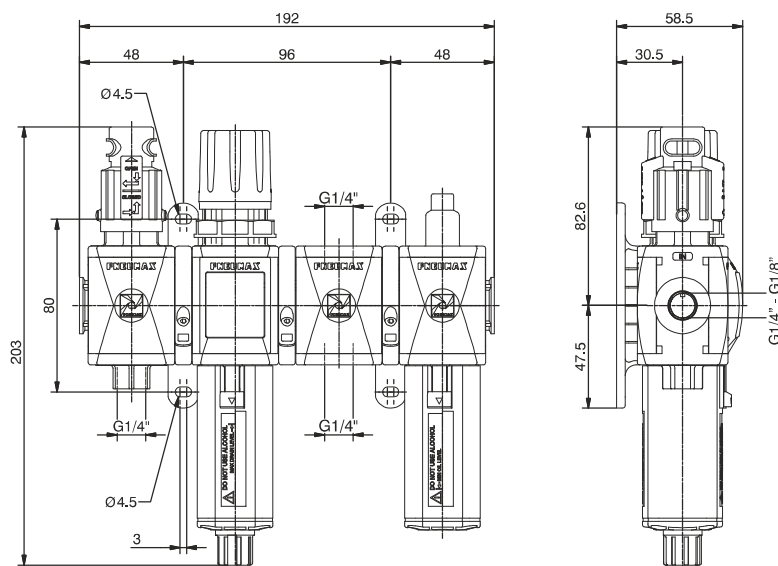
= Standard

(from left to right)

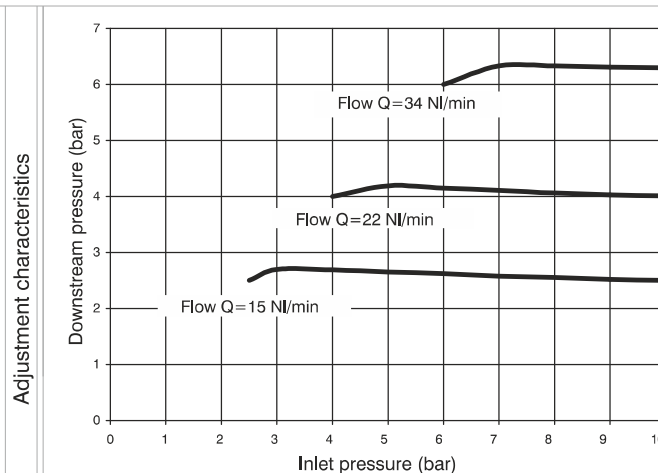
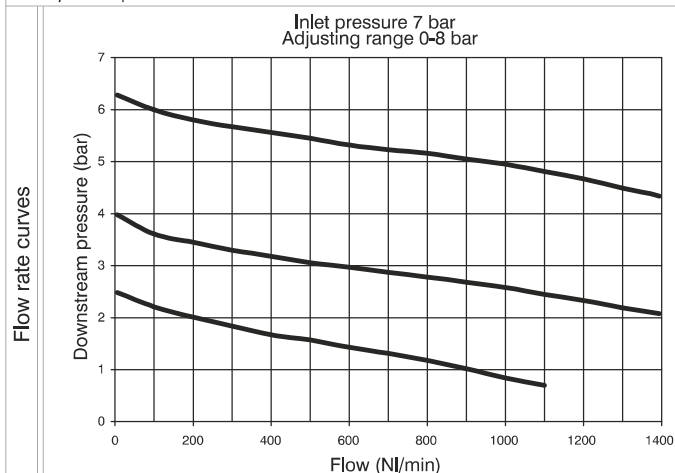
W = from right to left

* 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 μ m 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

Connections	G 1/8" - G 1/4"
Max. inlet pressure	13 bar
Working temperature	-5°C +50°C
Weight with Technopolymer threads	gr. 510
Weight with threaded inserts	gr. 540
Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar
Filter pore size	5 μ m - 20 μ m - 50 μ m
Bowl capacity	18 cm ³
Indicative oil drip rate	1 drop every 300/600 NI
Oil type	FD22 - HG32
Bowl capacity	36 cm ³
Assembly positions	Vertical
Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm
Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm
Min. operational flow at 6,3 bar	40 NI/min.

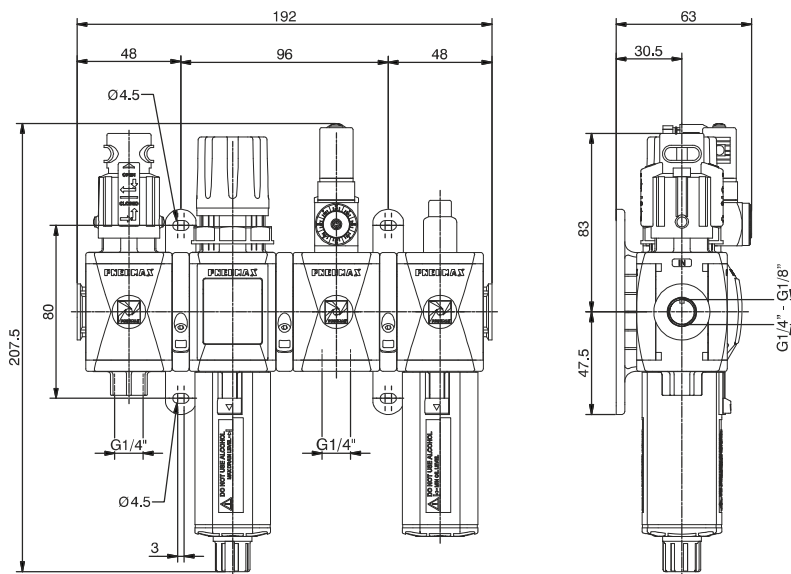
Ordering code

GV171CTSD

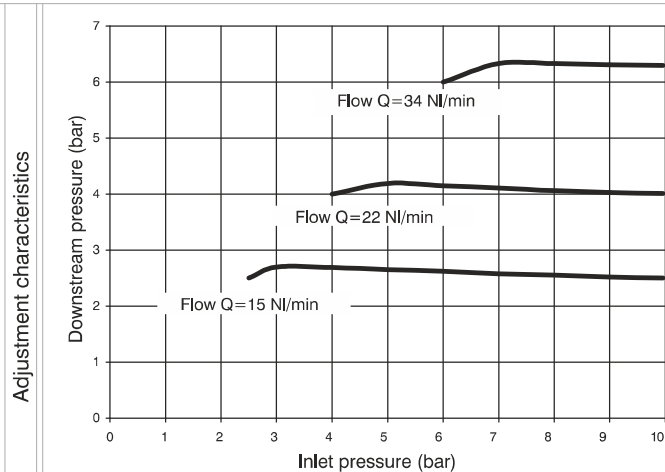
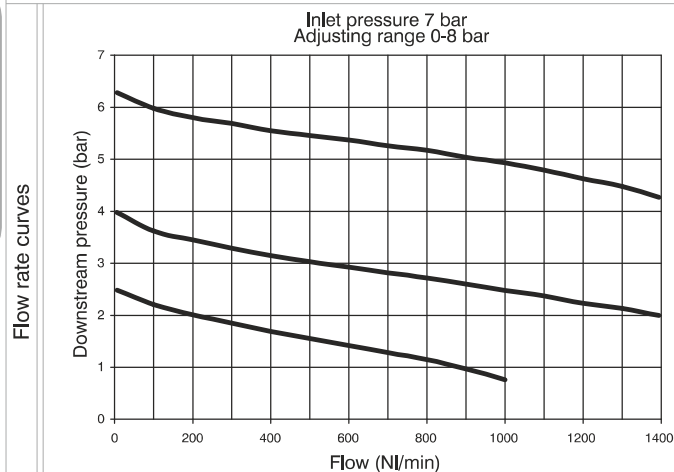
V	VERSION N = Metal inserts T = Technopolymer thread
C	CONNECTIONS A = G1/8" (only for "N" version) B = G1/4" C = G1/4" NPT (only for "N" version)
T	TYPE VN = Built in gauge VP = G1/8" gauge connection
S	FILTER PORE SIZE ADJUSTING RANGE C = 5 μ m / 0-8 bar D = 5 μ m / 0-12 bar G = 20 μ m / 0-8 bar H = 20 μ m / 0-12 bar N = 50 μ m / 0-8 bar P = 50 μ m / 0-12 bar
O	OPTIONS = Standard *
D	FLOW DIRECTION = Standard (from left to right) W = from right to left

* no additional
letter required

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 µm 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.

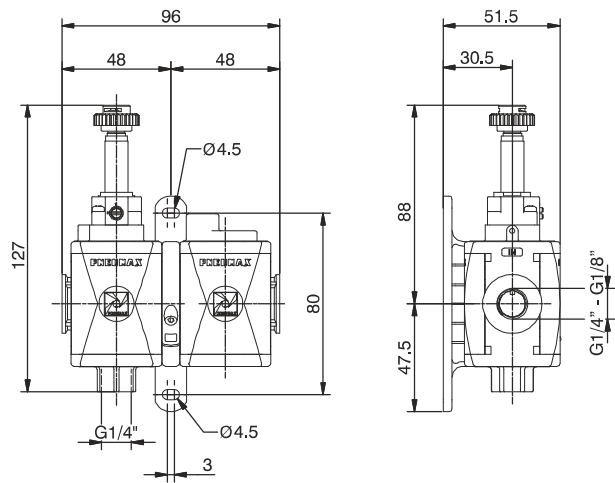
Technical characteristics

Connections	G 1/8" - G 1/4"	Ordering code GV171CTSO0
Max. inlet pressure	13 bar	
Working temperature	-5°C +50°C	VERSION N = Metal inserts T = Technopolymer thread
Weight with Technopolymer threads	gr. 596	
Weight with threaded inserts	gr. 626	CONNECTIONS A = G1/8" (only for "N" version) B = G1/4" C = G1/4" NPT (only for "N" version)
Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar	
Filter pore size	5 µm - 20 µm - 50 µm	TYPE VR = Built in gauge VC = G1/8" gauge connection
Bowl capacity	18 cm ³	
Indicative oil drip rate	1 drop every 300/600 NI	FILTER PORE SIZE ADJUSTING RANGE C = 5 µm / 0-8 bar D = 5 µm / 0-12 bar G = 20 µm / 0-8 bar H = 20 µm / 0-12 bar N = 50 µm / 0-8 bar P = 50 µm / 0-12 bar
Oil type	FD22 - HG32	
Bowl capacity	36 cm ³	OPTIONS = Standard * S = Automatic drain
Assembly positions	Vertical	
Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm	FLOW DIRECTION = Standard (from left to right) W = from right to left
Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm	
Min. operational flow at 6,3 bar	40 NI/min.	

* no additional
letter required



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

Operational characteristics	Technical characteristics		
Combined group comprising Electric shut-off valve and Progressive start-up valve assembled with a (Y) type coupling kit for panel mounting.	Connections	G 1/8" - G 1/4"	Ordering code
	Max. inlet pressure	10 bar	GV171CSA
	Min. inlet pressure	3 bar	
	Working temperature	-5°C +50°C	VERSION
	Weight with Technopolymer threads	gr. 218	N = Metal inserts
	Weight with threaded inserts	gr. 238	T = Technopolymer thread
	Assembly positions	Indifferent	CONNECTIONS
	Max. fitting torque (with Technopolymer threads)	G1/4" = 9 Nm	A = G1/8" (only for "N" version)
	Max. fitting torque (with threaded inserts)	G1/8" = 15 Nm G1/4" = 20 Nm	B = G1/4"
			C = G1/4" NPT (only for "N" version)
Flow at 6 bar with Δp=1			15 mm COIL VOLTAGE
			A4 = 12 V DC
			A5 = 24 V DC
			A6 = 24 V AC (50-60 Hz)
			A7 = 110 V AC (50-60 Hz)
			A8 = 220 V AC (50-60 Hz)
			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 Hz)
			B7 = 110 V AC (50-60 Hz)
			B8 = 220 V AC (50-60 Hz)
			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)