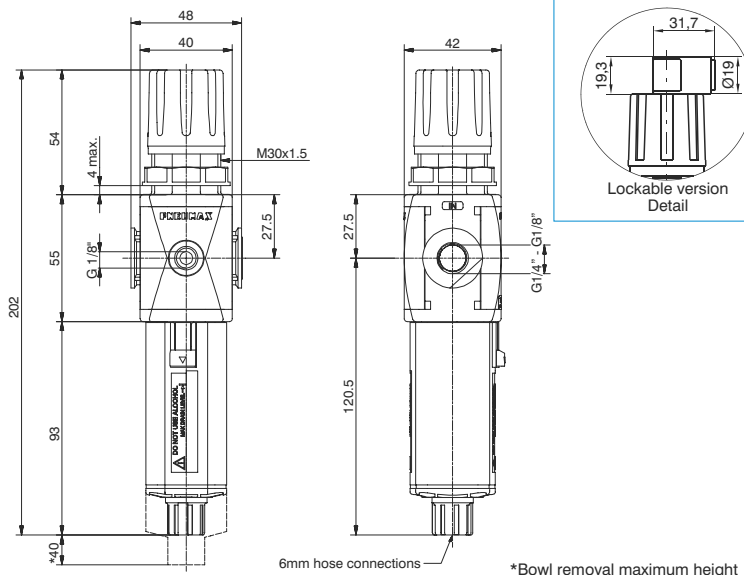


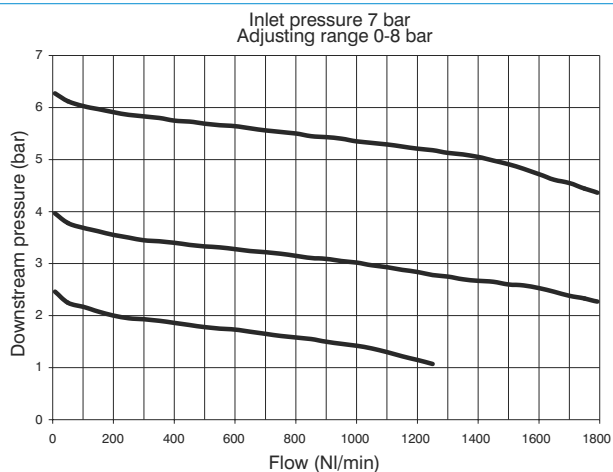
Filter-Regulator (E)



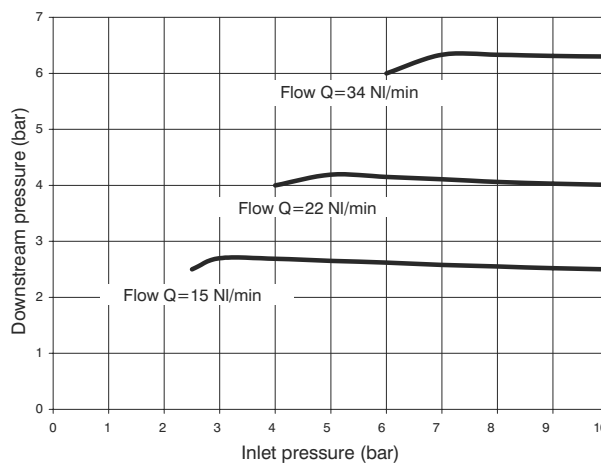
\*Bowl removal maximum height

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

3  
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.

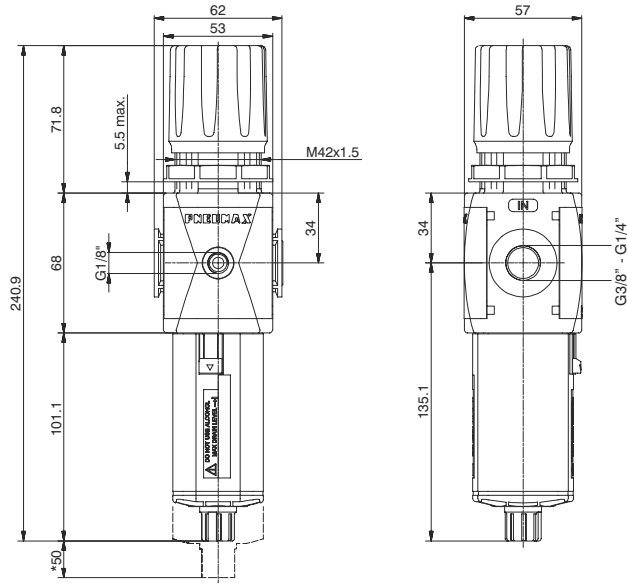
Note

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 <b>V171CESGT0</b>
Max. inlet pressure	13 bar	
Minimum working pressure with automatic drain	0,5 bar	VERSION V = Metal inserts T = Technopolymer thread
Maximum working pressure with automatic drain	10 bar	CONNECTIONS A = G1/8" (only for "N" version) B = G1/4" C = G1/4" NPT (only for "N" version)
Working temperature	-5°C + 50°C	FILTER PORE SIZE S = 5 µm B = 20 µm C = 50 µm
Pressure gauge connections	G 1/8"	ADJUSTING RANGE A = 0-2 bar G = 0-4 bar C = 0-8 bar D = 0-12 bar
Weight with Technopolymer threads	gr. 190	TYPE T = Standard S = Automatic drain
Weight with threaded inserts	gr. 200	OPTIONS O = Standard (without options) K = Lockable version
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 <sup>3</sup>	
Assembly positions	Vertical	
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	

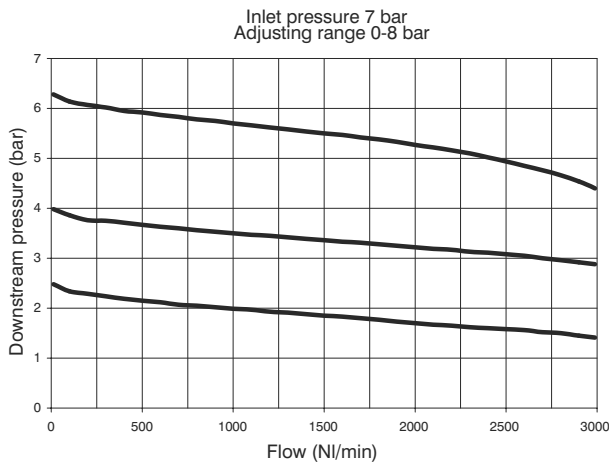
Filter-Regulator (E)



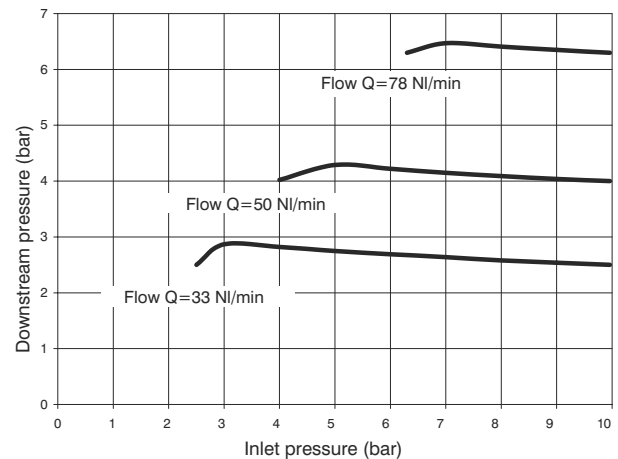
\*Bowl removal maximum height

Example : T172BEBC : size 2, Filter-regulator with Technopolymer threads, G3/8" connections, 20 µm filtering pore size, 0 to 8 bar adjusting range

3  
Flow rate curves



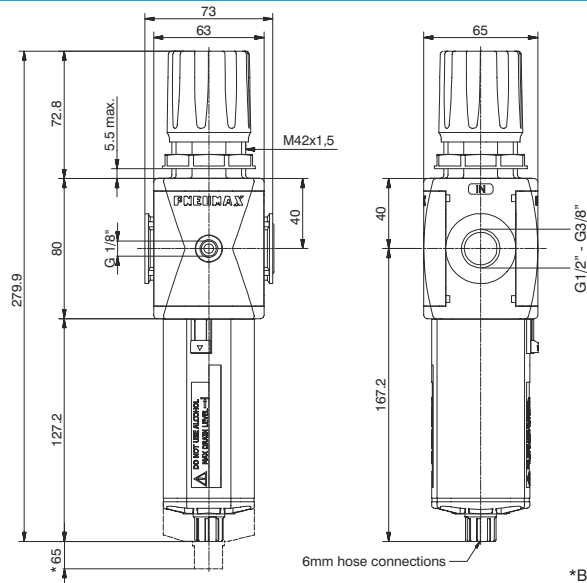
Adjustment characteristics



Operational characteristics	Technical characteristics		Ordering code	
<ul style="list-style-type: none"> <li>- Filter - diaphragm pressure regulator with relieving.</li> <li>- Low hysteresis rolling diaphragm.</li> <li>- Balanced system.</li> <li>- Double filtering action: air flow centrifugation and filter element.</li> <li>- 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.</li> <li>- Transparent bowl made off polycarbonate with bowl protection guard.</li> <li>- Bowl assembly via bayonet type quick coupling mechanism with safety button.</li> <li>- Semi-automatic drain mounted as standard; automatic drain upon request.</li> <li>- Available in four pressure ranges up to 12 bar.</li> <li>- Operating knob can be locked in position by pressing it down once the desired P2 (regulated pressure) pressure value is achieved.</li> <li>- Fitted with panel mounting locking ring.</li> </ul>	Connections	G 1/4" - G 3/8"	<b>V172CESGT0</b> VERSION N = Metal inserts T = Technopolymer thread	
	Max. inlet pressure	13 bar		CONNECTIONS
	Minimum working pressure with automatic drain	0,5 bar	Working temperature	A = G1/4" (only for "N" version)
	Maximum working pressure with automatic drain	10 bar	Pressure gauge connections	B = G3/8"
	Working temperature	-5°C + 50°C	Weight with Technopolymer threads	C = G3/8" NPT (only for "N" version)
	Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar	Weight with threaded inserts	FILTER PORE SIZE
	Filter pore size	5 µm - 20 µm - 50 µm	Pressure range	A = 5 µm
	Bowl capacity	34 cm <sup>3</sup>	Filter pore size	B = 20 µm
	Assembly positions	Vertical	Bowl capacity	C = 50 µm
	Max. fitting torque (with Technopolymer threads)	G1/8" = 4 Nm G3/8" = 16 Nm	Assembly positions	ADJUSTING RANGE
	Max. fitting torque (with threaded inserts)	G1/4" = 20 Nm G3/8" = 25 Nm	Max. fitting torque (with Technopolymer threads)	A = 0-2 bar
			Max. fitting torque (with threaded inserts)	B = 0-4 bar
				C = 0-8 bar
			D = 0-12 bar	
			TYPE	
			T = Standard	
			S = Automatic drain	
			OPTIONS	
			0 = Standard (without options)	
			K = Lockable version	

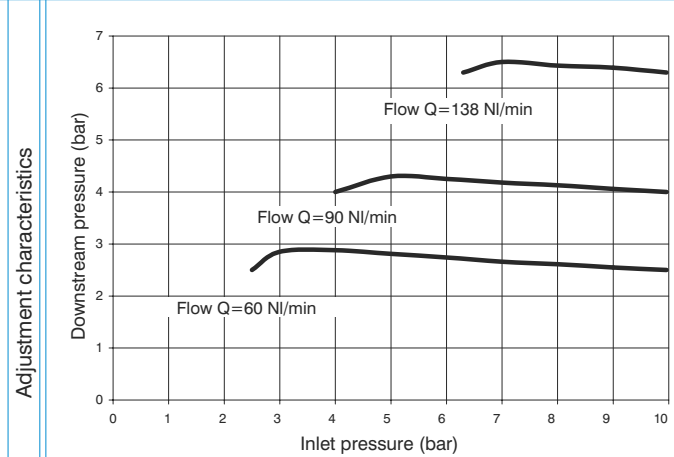
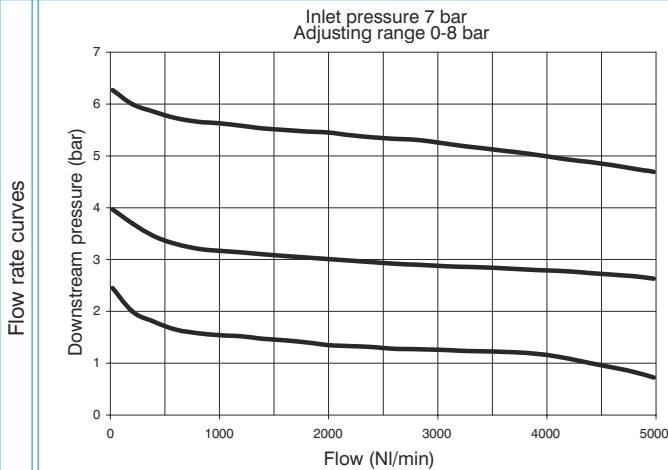
**Note**  
The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended. In order to ensure adequate flow on the auto drain version it is recommended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

Filter-Regulator (E)



\*Bowl removal maximum height

Example : T173BEBC : size 3, Filter-regulator with Technopolymer threads, G1/2" connections, 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 (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.

Note

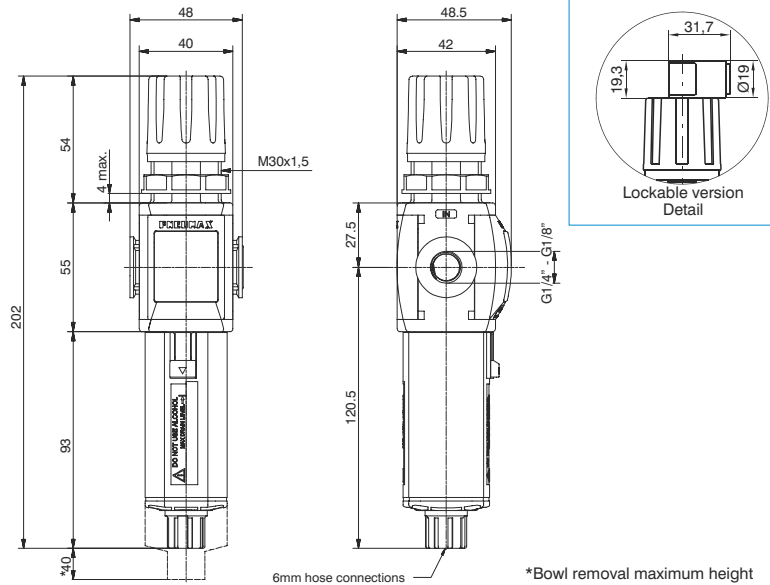
The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended. In order to ensure adequate flow on the auto drain version it is recommended to use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

Technical characteristics

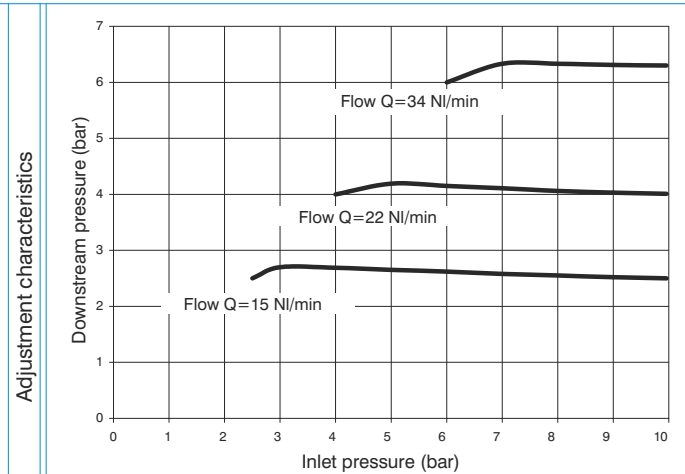
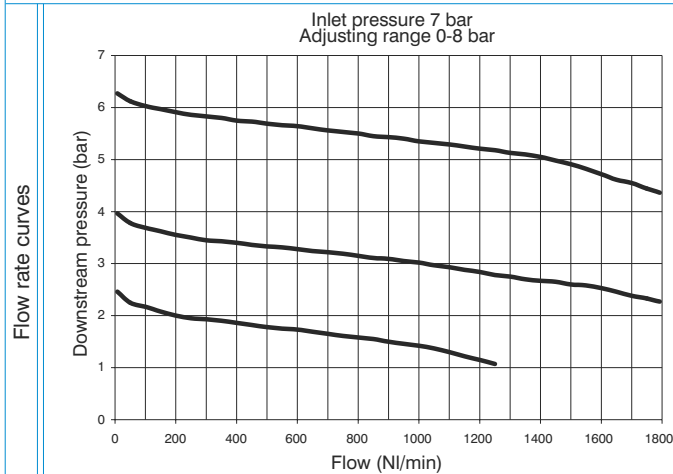
Connections	G 3/8" - G 1/2"	Ordering code <b>V173CESGT0</b>
Max. inlet pressure	13 bar	
Minimum working pressure with automatic drain	0,5 bar	VERSION V N = Metal inserts T = Technopolymer thread
Maximum working pressure with automatic drain	10 bar	CONNECTIONS A = G3/8" (only for "N" version) B = G1/2" C = G1/2" NPT (only for "N" version)
Working temperature	-5°C + 50°C	FILTER PORE SIZE A = 5 μm B = 20 μm C = 50 μm
Pressure gauge connections	G 1/8"	ADJUSTING RANGE A = 0-2 bar B = 0-4 bar C = 0-8 bar D = 0-12 bar
Weight with Technopolymer threads	gr. 470	TYPE T = Standard S = Automatic drain
Weight with threaded inserts	gr. 490	OPTIONS O = Standard (without options) K = Lockable version
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	68 cm <sup>3</sup>	
Assembly positions	Vertical	
Max. fitting torque (with Technopolymer threads)	G1/8" = 4 Nm G1/2" = 22 Nm	
Max. fitting torque (with threaded inserts)	G3/8" = 25 Nm G1/2" = 30 Nm	



**Filter-regulator including gauge (EM)(EW)**

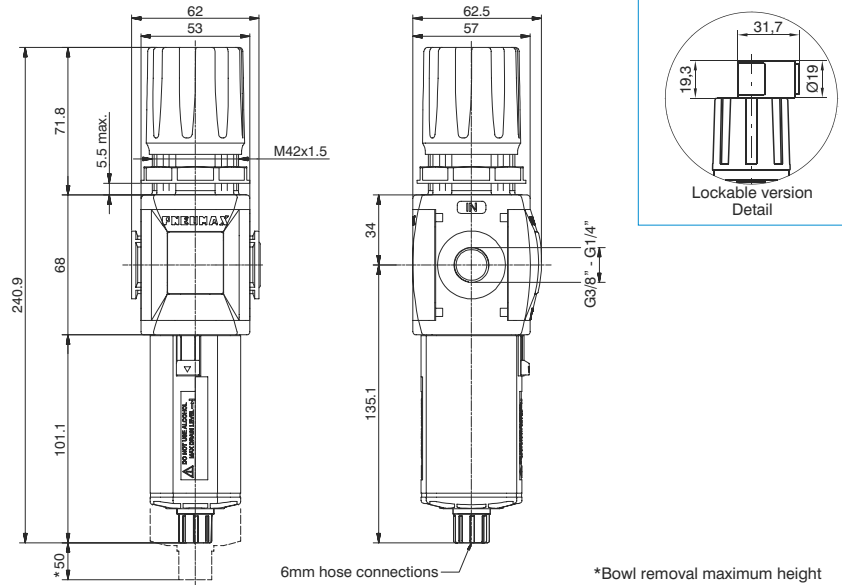


Example: T171BEMBC : size 1, Filter-Regulator including gauge with Technopolymer threads, G1/4" connections, with 20 µm filtering pore size, 0 to 8 bar adjusting range

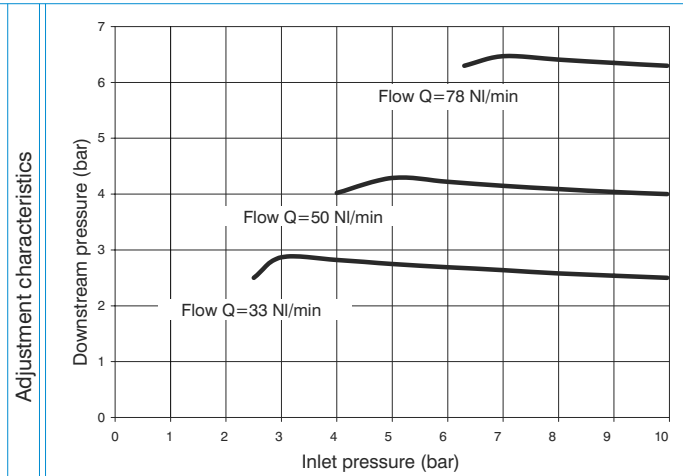
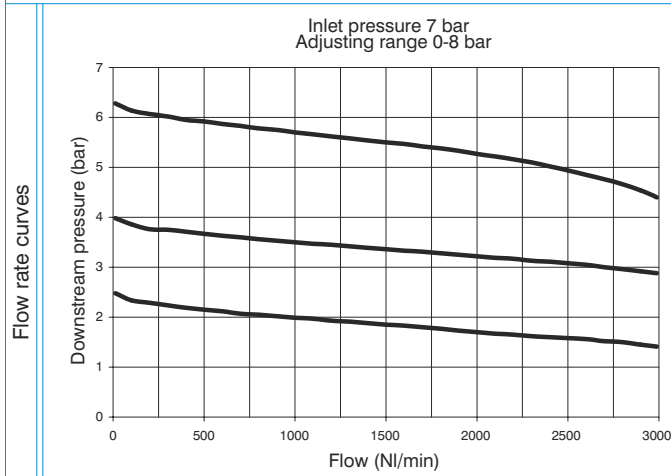


Operational characteristics	Technical characteristics		Ordering code
<ul style="list-style-type: none"> <li>- Filter - diaphragm pressure regulator with relieving.</li> <li>- Low hysteresis rolling diaphragm.</li> <li>- Balanced system.</li> <li>- Double filtering action: air flow centrifugation and filter element.</li> <li>- 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.</li> <li>- Transparent bowl made off polycarbonate with bowl protection guard.</li> <li>- Bowl assembly via bayonet type quick coupling mechanism with safety button.</li> <li>- Semi-automatic drain mounted as standard; automatic drain upon request</li> <li>- Available in four pressure ranges up to 12 bar.</li> <li>- Operating knob can be locked in position by pressing it down once the desired P2 (regulated pressure) pressure value is achieved.</li> <li>- Fitted with panel mounting locking ring.</li> <li>- 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)</li> </ul>	<p>Connections</p> <p>Max. inlet pressure</p> <p>Minimum working pressure</p> <p>with automatic drain</p> <p>Maximum working pressure</p> <p>with automatic drain</p> <p>Working temperature</p> <p>Weight with Technopolymer threads</p> <p>Weight with threaded inserts</p> <p>Pressure range</p> <p>Filter pore size</p> <p>Bowl capacity</p> <p>Assembly positions</p> <p>Max. fitting torque</p> <p>(with Technopolymer threads)</p>	<p>G 1/8" - G 1/4"</p> <p>13 bar</p> <p>0,5 bar</p> <p>10 bar</p> <p>-5°C +50°C</p> <p>gr. 200</p> <p>gr. 210</p> <p>0-2 bar / 0-4 bar 0-8 bar / 0-12 bar</p> <p>5 µm - 20 µm - 50 µm</p> <p>18 cm<sup>3</sup></p> <p>Vertical</p> <p>G1/4" = 9 Nm</p>	<p><b>V171CEDSGTO</b></p> <p>VERSION</p> <p>V N = Metal inserts T = Technopolymer thread</p> <p>CONNECTIONS</p> <p>C A = G1/8" (only for "N" version) B = G1/4" C = G1/4" NPT (only for "N" version)</p> <p>FLOW DIRECTION</p> <p>D M = from left to right W = from right to left</p> <p>FILTER PORE SIZE</p> <p>S A = 5 µm B = 20 µm C = 50 µm</p> <p>ADJUSTING RANGE</p> <p>G A = 0-2 bar B = 0-4 bar C = 0-8 bar D = 0-12 bar</p> <p>TYPE</p> <p>T = Standard S = Automatic drain</p> <p>OPTIONS</p> <p>O = Standard (without options) K = Lockable version</p>
<p><b>Note</b></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. In order to ensure adequate flow on the auto drain version it is recommended to use minimum a 6mm fitting.</p>	<p>Max. fitting torque</p> <p>(with threaded inserts)</p>	<p>G1/8" = 15 Nm G1/4" = 20 Nm</p>	

**Filter-regulator including gauge (EM)(EW)**



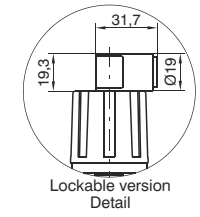
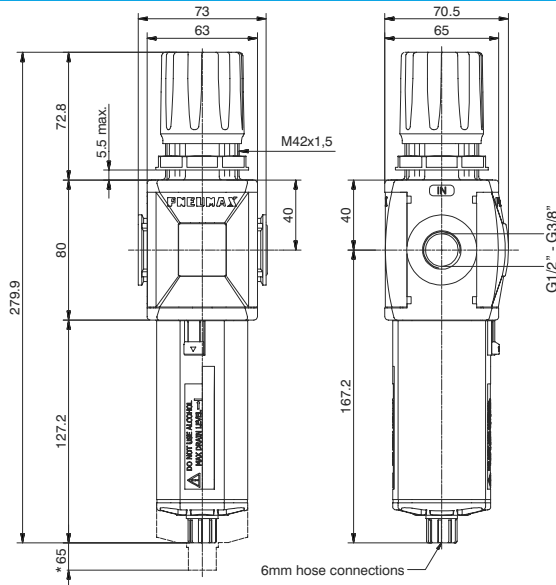
Example: T172BEMBC : size 2, Filter-Regulator including gauge with Technopolymer threads, G3/8" connections, with 20 µm filtering pore size, 0 to 8 bar adjusting range



Operational characteristics	Technical characteristics		Ordering code
- Filter - diaphragm pressure regulator with relieving.	Connections	G 1/4" - G 3/8"	<b>V172CEDSGT0</b>
- Low hysteresis rolling diaphragm.	Max. inlet pressure	13 bar	
- Balanced system.	Minimum working pressure	0,5 bar	VERSION
- Double filtering action: air flow centrifugation and filter element.	with automatic drain		V N = Metal inserts
- 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.	Maximum working pressure	10 bar	T = Technopolymer thread
- Transparent bowl made of polycarbonate with bowl protection guard.	Working temperature	-5°C +50°C	CONNECTIONS
- Bowl assembly via bayonet type quick coupling mechanism with safety button.	Weight with Technopolymer threads	gr. 400	A = G1/4" (only for "N" version)
- Semi-automatic drain mounted as standard; automatic drain upon request.	Weight with threaded inserts	gr. 410	B = G3/8"
- Available in four pressure ranges up to 12 bar.	Pressure range	0-2 bar / 0-4 bar 0-8 bar / 0-12 bar	C = G3/8" NPT (only for "N" version)
- Operating knob can be locked in position by pressing it down once the desired P2 (regulated pressure) pressure value is achieved.	Filter pore size	5 µm - 20 µm - 50 µm	FLOW DIRECTION
- Fitted with panel mounting locking ring.	Bowl capacity	34 cm <sup>3</sup>	M = from left to right
- 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)	Assembly positions	Vertical	W = from right to left
	Max. fitting torque (with Technopolymer threads)	G3/8" = 16 Nm	FILTER PORE SIZE
			A = 5 µm
			B = 20 µm
			C = 50 µm
			ADJUSTING RANGE
			A = 0-2 bar
			B = 0-4 bar
			C = 0-8 bar
			D = 0-12 bar
			TYPE
			T = Standard
			S = Automatic drain
			OPTIONS
			0 = Standard (without options)
			K = Lockable version
<b>Note</b>	Max. fitting torque (with threaded inserts)	G1/4" = 20 Nm G3/8" = 25 Nm	
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.			

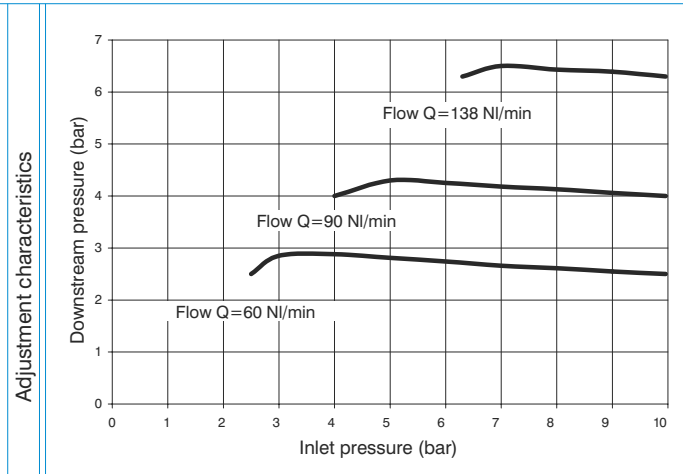
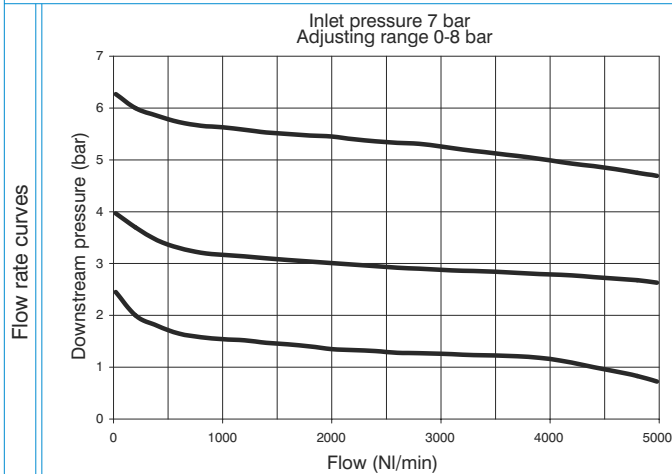


**Filter-regulator including gauge (EM)(EW)**



\*Bowl removal maximum height

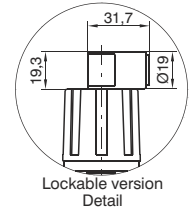
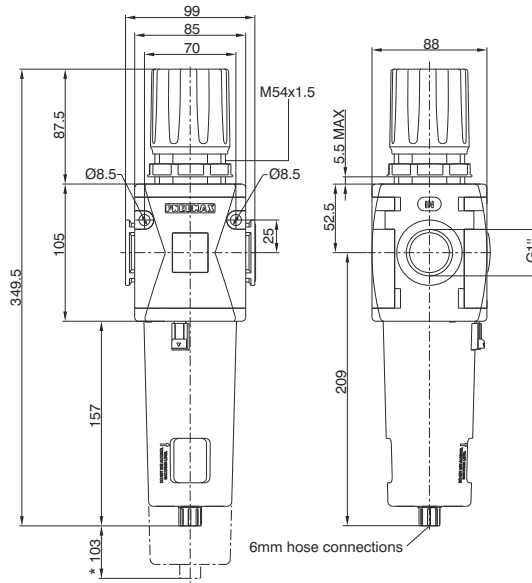
Example: T173BEMBC : size 3, Filter-Regulator including gauge with Technopolymer threads, G1/2" connections, with 20 µm filtering pore size, 0 to 8 bar adjusting range



Operational characteristics	Technical characteristics		Ordering code
<ul style="list-style-type: none"> <li>- Filter - diaphragm pressure regulator with relieving.</li> <li>- Low hysteresis rolling diaphragm.</li> <li>- Balanced system.</li> <li>- Double filtering action: air flow centrifugation and filter element.</li> <li>- 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.</li> <li>- Transparent bowl made of polycarbonate with bowl protection guard.</li> <li>- Bowl assembly via bayonet type quick coupling mechanism with safety button.</li> <li>- Semi-automatic drain mounted as standard; automatic drain upon request.</li> <li>- Available in four pressure ranges up to 12 bar.</li> <li>- Operating knob can be locked in position by pressing it down once the desired P2 (regulated pressure) pressure value is achieved.</li> <li>- Fitted with panel mounting locking ring.</li> <li>- 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)</li> </ul>	Connections	G 3/8" - G 1/2"	<b>V173CEDSGT0</b> VERSION N = Metal inserts T = Technopolymer thread CONNECTIONS A = G3/8" (only for "N" version) B = G1/2" C = G1/2" NPT (only for "N" version) FLOW DIRECTION M = from left to right W = from right to left FILTER PORE SIZE A = 5 µm B = 20 µm C = 50 µm ADJUSTING RANGE 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 (without options) K = Lockable version
	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. 480	
	Weight with threaded inserts	gr. 500	
	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	68 cm <sup>3</sup>	
	Assembly positions	Vertical	
	Max. fitting torque (with Technopolymer threads)	G1/2" = 22 Nm	
	Max. fitting torque (with threaded inserts)	G3/8" = 25 Nm G1/2" = 30 Nm	
	<b>Note</b>	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.	

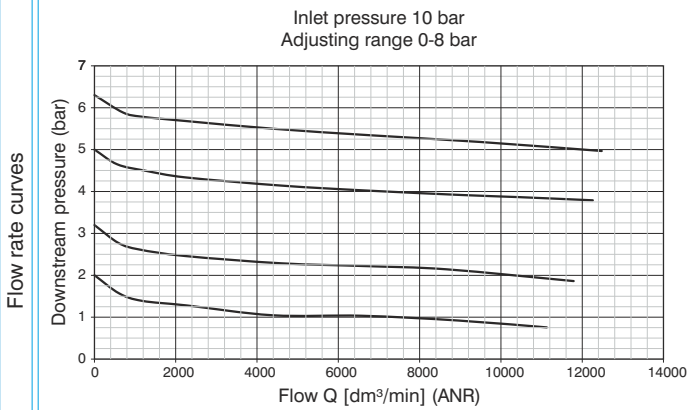


Filter-regulator including gauge (EM)(EW)

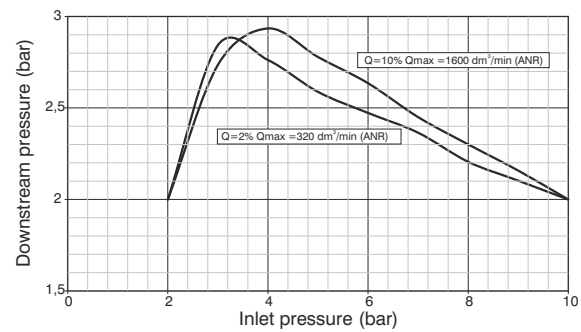


\*Bowl removal maximum height

Example: N174BEMBC : size 4, Filter-regulator including gauge, G1" 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 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.
- 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	G1"
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	1440 (gr)
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	90 cm <sup>3</sup>
Assembly positions	Vertical

Wall fixing screw

M8

Ordering code

<b>N174BE0S0C10</b>	
FLOW DIRECTION	
Ⓓ	M = from left to right W = from right to left
FILTER PORE SIZE	
Ⓐ	A = 5 µm B = 20 µm C = 50 µm
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 (without options) K = Lockable version