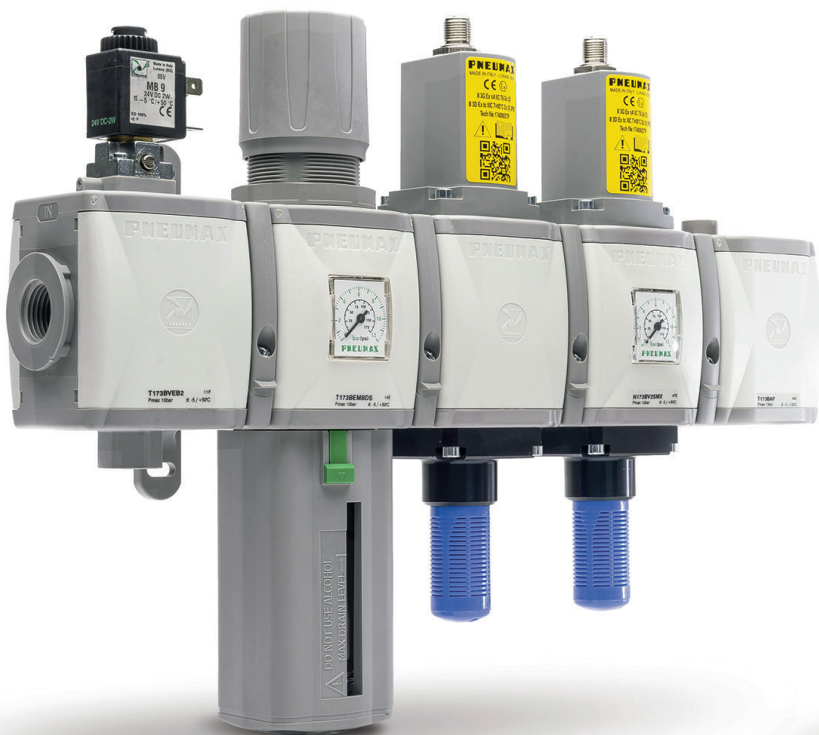




PNEUMAX



SERIES AIRPLUS AIR TREATMENT

SAFETY AND RELIABILITY



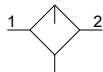
Product overview

PRODUCT	VERSION	SIZE				MAX. PRESSURE		MIN - MAX AMBIENT TEMPERATURE			ATEX
		Size 1	Size 2	Size 3	Size 4	Technopolymer body or bowl	Metal body and bowl	Technopolymer body or bowl	Metal body and bowl	Automatic drain	
FILTER (F)	T : Technopolymer body and thread	●	●	●		13 bar - 10 bar (automatic drain)	/ 20 bar - 16 bar (automatic drain)	-5 °C ... +50 °C	/ -30 °C ... +80 °C -40 °C ... +80 °C	-5 °C ... +50 °C	●
	N : Technopolymer body and metal inserts	●	●	●							
	P : Aluminum body		●	●	●						
	L : Aluminum body, low temperature		●	●	●						
COALESCING FILTER (D)	T : Technopolymer body and thread	●	●	●		13 bar - 10 bar (automatic drain)	/ 20 bar - 16 bar (automatic drain)	-5 °C ... +50 °C	/ -30 °C ... +80 °C -40 °C ... +80 °C	-5 °C ... +50 °C	●
	N : Technopolymer body and metal inserts	●	●	●							
	P : Aluminum body		●	●	●						
	L : Aluminum body, low temperature		●	●	●						
OIL REMOVAL FILTER (DBV) (DCV) (DAV)	T : Technopolymer body and thread			●		10 bar		-5 °C ... +50 °C			●
	N : Technopolymer body and metal inserts			●							
	P : Aluminum body			●	●						
	L : Aluminum body, low temperature										
CARBON FILTER (DD)	T : Technopolymer body and thread			●		13 bar	/ 20 bar	-5 °C ... +50 °C	/ -30 °C ... +80 °C -40 °C ... +80 °C	-5 °C ... +50 °C	●
	N : Technopolymer body and metal inserts			●							
	P : Aluminum body			●	●						
	L : Aluminum body, low temperature			●	●						
REGULATOR (R) (RM) (RW)	T : Technopolymer body and thread	●	●	●		13 bar	20 bar	-5 °C ... +50 °C	/ -30 °C ... +80 °C -40 °C ... +80 °C	/ /	●
	N : Technopolymer body and metal inserts	●	●	●							
	P : Aluminum body		●	●	●						
	L : Aluminum body, low temperature		●	●	●						
PRESSURE REGULATORS FOR MANIFOLD (B - M)	T : Technopolymer body and thread	●				13 bar	/ /	-5 °C ... +50 °C	/ /	/ /	●
	N : Technopolymer body and metal inserts	●									
	P : Aluminum body										
	L : Aluminum body, low temperature										
PILOTTED PRESSURE REGULATORS (RP) (RMP) (RPP)	T : Technopolymer body and thread					/ / 20 bar	/ / 20 bar	/ / /	/ / -30 °C ... +80 °C	/ /	●
	N : Technopolymer body and metal inserts										
	P : Aluminum body				●						
	L : Aluminum body, low temperature										
PILOTTED PRESSURE REGULATORS WITH DIGITAL PRESSURE SWITCH (RPP) (RPZ)	T : Technopolymer body and thread					/ / 20 bar	/ / 20 bar	/ / /	/ / 0 °C ... +50 °C	/ /	
	N : Technopolymer body and metal inserts										
	P : Aluminum body				●						
	L : Aluminum body, low temperature										
FILTER REGULATOR (E) (EM) (EW)	T : Technopolymer body and thread	●	●	●		13 bar - 10 bar (automatic drain)	20 bar - 16 bar (automatic drain)	-5 °C ... +50 °C	/ -30 °C ... +80 °C -40 °C ... +80 °C	-5 °C ... +50 °C	●
	N : Technopolymer body and metal inserts	●	●	●							
	P : Aluminum body		●	●	●						
	L : Aluminum body, low temperature		●	●	●						
REGULATOR WITH DIGITAL PRESSURE SWITCH (RP) (RZ)	T : Technopolymer body and thread	●	●	●		13 bar	20 bar	0 °C ... +50 °C	/	/	
	N : Technopolymer body and metal inserts	●	●	●							
	P : Aluminum body		●	●	●						
	L : Aluminum body, low temperature		●	●	●						
FILTER REGULATOR WITH DIGITAL PRESSURE SWITCH (E) (EP) (EZ)	T : Technopolymer body and thread	●	●	●		13 bar - 10 bar (automatic drain)	20 bar - 16 bar (automatic drain)	0 °C ... +50 °C	/	-5 °C ... +50 °C	
	N : Technopolymer body and metal inserts	●	●	●							
	P : Aluminum body		●	●	●						
	L : Aluminum body, low temperature		●	●	●						
LUBRICATOR (L)	T : Technopolymer body and thread	●	●	●		13 bar		-5 °C ... +50 °C	/	/	●
	N : Technopolymer body and metal inserts	●	●	●							
	P : Aluminum body		●	●	●						
	L : Aluminum body, low temperature										

PRODUCT	VERSION	SIZE				MAX. PRESSURE		MIN - MAX AMBIENT TEMPERATURE			ATEX
		Size 1	Size 2	Size 3	Size 4	Technopolymer body or bowl	Metal body and bowl	Technopolymer body or bowl	Metal body and bowl	Automatic drain	
LUBRICATOR WITH ELECTRICAL MINIMUM LEVEL SENSOR (LA) (LC)	T : Technopolymer body and thread	●	●	●		13 bar		-5 °C ... +50 °C		/	
	N : Technopolymer body and metal inserts	●	●	●							
	P : Aluminum body		●	●	●						
	L : Aluminum body, low temperature					/		/			
SHUT OFF VALVE (VL)	T : Technopolymer body and thread	●	●	●		13 bar - 10 bar (for size 4)		-5 °C ... +50 °C	/	/	●
	N : Technopolymer body and metal inserts	●	●	●					-30 °C ... +80 °C		
	P : Aluminum body		●	●	●				-40 °C ... +80 °C		
	L : Aluminum body, low temperature		●	●	●						
PNEUMATIC SHUT OFF VALVE (VP)	T : Technopolymer body and thread	●	●	●		13 bar	20 bar	-5 °C ... +50 °C	/	/	●
	N : Technopolymer body and metal inserts	●	●	●					-30 °C ... +80 °C		
	P : Aluminum body		●	●	●				-40 °C ... +80 °C		
	L : Aluminum body, low temperature		●	●	●						
ELECTRIC SHUT OFF VALVE (VE)	T : Technopolymer body and thread	●	●	●		10 bar		-5 °C ... +50 °C		/	●
	N : Technopolymer body and metal inserts	●	●	●							
	P : Aluminum body		●	●	●						
	L : Aluminum body, low temperature					/		/			
PROGRESSIVE START-UP VALVE (AP)	T : Technopolymer body and thread	●	●	●		13 bar - 10 bar (for size 4)		-5 °C ... +50 °C		/	●
	N : Technopolymer body and metal inserts	●	●	●							
	P : Aluminum body		●	●	●						
	L : Aluminum body, low temperature		●	●	●						
AIR INTAKE (PA)	T : Technopolymer body and thread	●	●	●		13 bar	20 bar	-5 °C ... +50 °C	/	/	●
	N : Technopolymer body and metal inserts	●	●	●					-30 °C ... +80 °C		
	P : Aluminum body		●	●	●						
	L : Aluminum body, low temperature					/		/			
PRESSURE SWITCH (PP)	T : Technopolymer body and thread	●	●	●		13 bar	20 bar	-5 °C ... +50 °C		/	
	N : Technopolymer body and metal inserts	●	●	●							
	P : Aluminum body		●	●	●						
	L : Aluminum body, low temperature					/		/			
AIR INTAKE WITH INTEGRATED PRESSURE GAUGE (PM-PW)	T : Technopolymer body and thread	●	●	●		13 bar		-5 °C ... +50 °C	/	/	●
	N : Technopolymer body and metal inserts	●	●	●					-30 °C ... +80 °C		
	P : Aluminum body		●	●	●						
	L : Aluminum body, low temperature					/		/			
AIR INTAKE WITH INTEGRATED DIGITAL PRESSURE SWITCH (PP-PZ)	T : Technopolymer body and thread	●	●	●		13 bar		0 °C ... +50 °C		/	
	N : Technopolymer body and metal inserts	●	●	●							
	P : Aluminum body		●	●	●						
	L : Aluminum body, low temperature					/		/			

Lubricators (L)


- ▶ Oil mist lubricator
- ▶ Available in 4 sizes with flow rates up to 16000 NI/min and connections from 1/8" to 1"
- ▶ Bowl assembly via bayonet type quick coupling mechanism with safety button
- ▶ Variable orifice size in function of the flow rate
- ▶ Oil quantity regulation mechanism and oil quantity visualization dome made of polycarbonate (PC)
- ▶ Oil refill plug
- ▶ Lubricator oil recharge with pressurized system
- ▶ Available with low level electrical sensor NO and NC
- ▶ Atex certification (II 2GD or II 3GD)



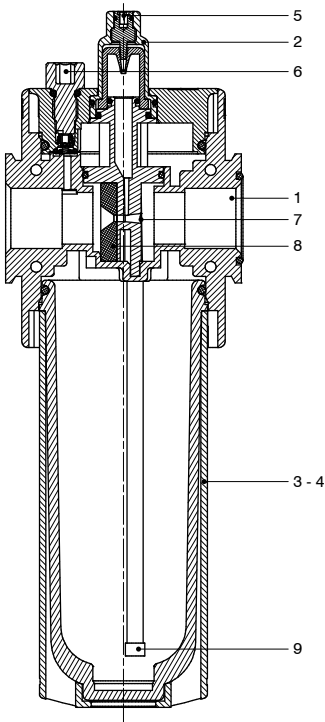
Technical characteristics					
Size		Size 1	Size 2	Size 3	Size 4
Body and connections type		Technopolymer body, integrated technopolymer connections (T version) Technopolymer body, metal connections (N version)			/
		/	Aluminium body, integrated aluminium connections (P version)		
Protection and bowl type		Technopolymer protection - PC bowl Technopolymer protection - PA bowl			
		/	Metal protection - PC bowl Metal protection - PA bowl		
IN / OUT connections	T version	G1/4"	G3/8"	G1/2"	not available
	N version	G1/8" - G1/4" - 1/4" NPT	G3/8" - G1/4" - 3/8" NPT	G3/8" - G1/2" - 1/2" NPT	
	P version	not available	G3/8"	G1/2"	G1"
Assembly configuration		Stand alone			
		/			Panel mounted
Assembly positions		Vertical ±5°			
Bowl capacity		36 cm³	70 cm³	136 cm³	360 cm³
Lubrication type		Oil mist lubrication			
Oil level regulation		Manual, complete with visual indicator			
Max. fittings torque IN / OUT connections		G1/8" metal: 15 Nm G1/4" metal: 20 Nm G1/4" technopolymer: 9 Nm	G1/4" metal: 20 Nm G3/8" metal: 25 Nm G3/8" technopolymer: 16 Nm	G3/8" metal: 25 Nm G1/2" metal: 30 Nm G1/2" technopolymer: 22 Nm	G1" metal: 35 Nm

Operational characteristics				
Size	Size 1	Size 2	Size 3	Size 4
Maximum working pressure	13 bar			
Minimum working pressure	0,5 bar			
Min. operational flow at 6,3 bar	40 NI/min	70 NI/min	100 NI/min	100 NI/min
Indicative oil drop rate	1 drope every 300/600 NI/min			
Oil type	FD22 - HG32			
Working temperature	-5 °C ... +50 °C			

Weights				
Size	Size 1	Size 2	Size 3	Size 4
Fully technopolymer version	121 g	215 g	347 g	/
Technopolymer body version, aluminium bowl protection and technopolymer bowl	/	245 g	383 g	/
Aluminium body version, technopolymer protection and bowl	/	315 g	477 g	1032 g
Aluminium body version, aluminium bowl protection and technopolymer bowl	/	345 g	513 g	1077 g

Materials

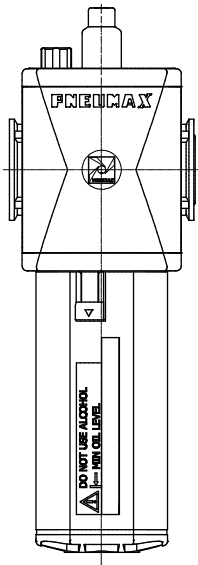
Exploded sectioned



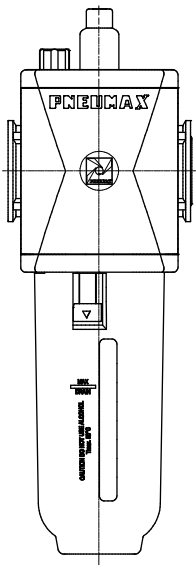
Lubricator		
1	Body	Polyamide Die-cast aluminium
2	Visual indicator	Polyamide
3	Technopolymer bowl	Polycarbonate Polyamide
4	Bowl protection	Polyamide - Die-cast aluminium
5	Oil regulation needle	Brass
6	Recharge plug	Acetal resin
7	Diaphragm support	Acetal resin
8	Diaphragm	NBR
9	Filter	Sintered brass

Design

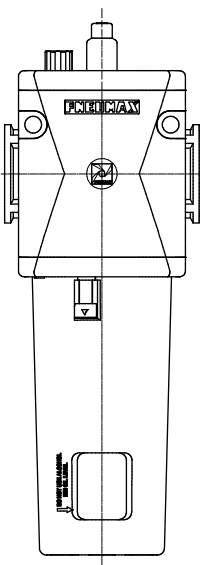
Size 1 - Size 2 - Size 3
Technopolymer protection



Size 1 - Size 2 - Size 3
Metal protection



Size 4
All versions





Order codes

AIR TREATMENT

T 17 3B L A N

Version

N : Technopolymer body and metal inserts (not available for size 4)
T : Technopolymer body and thread (not available for size 4)
P : Aluminium body (not available only for size 1)

Size and connections

1A : Size 1 - G1/8" only for N version
1B : Size 1 - G1/4" only for T - N versions
1C : Size 1 - 1/4" NPT only for N version
2A : Size 2 - G1/4" only for N version
2B : Size 2 - G3/8" for all versions
2C : Size 2 - 3/8" NPT only for N version
3A : Size 3 - G3/8" only for N version
3B : Size 3 - G1/2" for all versions
3C : Size 3 - 1/2" NPT only for N version
4B : Size 4 - G1" only for P version

Options

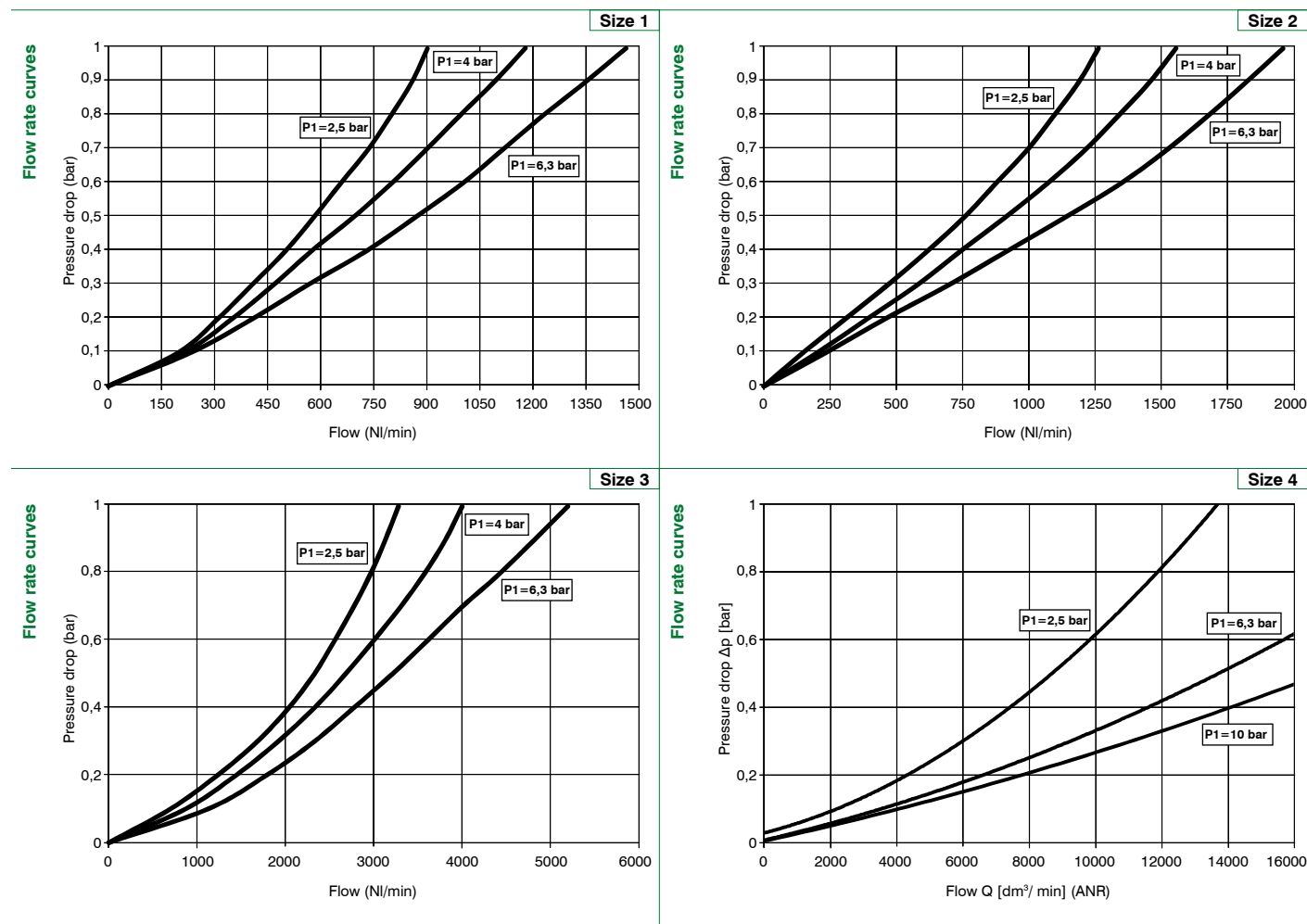
: No electric level sensor device
A : Electrical minimum level sensor NO (not available for size 1)
C : Electrical minimum level sensor NC (not available for size 1)

Bowl options

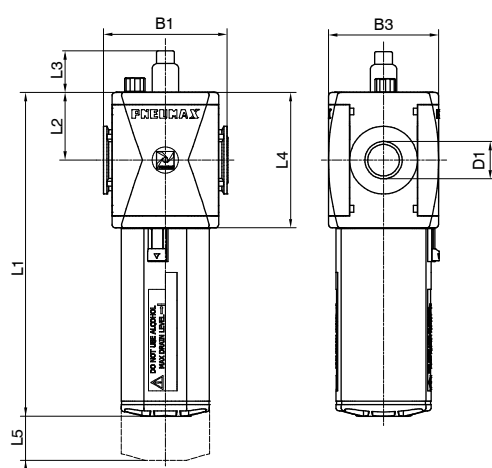
: Technopolymer protection - PC bowl
N : Technopolymer protection - PA bowl
P : Metal protection - PC bowl (not available for size 1)
R : Metal protection - PA bowl (not available for size 1)

Example : T173BLAN : TG3 Lubricator G1/2", normally open low level electrical sensor, PA bowl with technopolymer protection

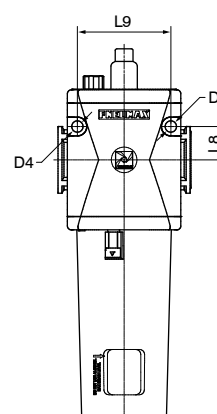
Characteristic curves



Dimensions

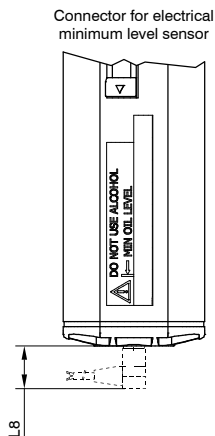


Fixing holes dimension detail
(only for size 4)



Model	B1	B3	D1	D4	L1	L2	L3	L4	L5	L8	L9
#171..	48	42	G1/8" G1/4" 1/4" NPT	/	131	27,5	24	55	80	/	/
#172..	62	57	G1/4" G3/8" 3/8" NPT	/	152,7	34	24	68	90	/	/
#173..	73	65	G3/8" G1/2" 1/2" NPT	/	191,4	40	24	80	120	/	/
#174..	99	88	G1"	8,5	247	52,5	24	105	145	25	70

Variable dimensions



Model	L8	Connectors for electrical connection
Electrical minimum level sensor NO (Normally open)	16	C1 - C2 - C3 (see sensors section of general catalog)
Electrical minimum level sensor NC (Normally closed)		

Accessories

Electrical connection details

C1 : connector with 2,5 m cable 2 wires (PVC Ø 3,5 mm 2x0,25 mm²)

C2 : connector with 5 m cable 2 wires (PVC Ø 3,5 mm 2x0,25 mm²)

C3 : connector with 10 m cable 2 wires (PVC Ø 3,5 mm 2x0,25 mm²)

