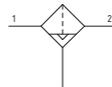
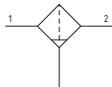


Filters (F)


- ▶ Double filter action: air flow centrifugation and filter element
- ▶ Available in 4 sizes with flow rates up to 14000 NI/min and connections from 1/8" to 1"
- ▶ Filtering cartridge made of HDPE available in three different filtration grades (5µm, 20µm, 50µm)
- ▶ Filter cartridge can be regenerated by washing / blowing it or replaced
- ▶ Bowl assembly via bayonet type quick coupling mechanism with safety button
- ▶ Semi-automatic or automatic drain
- ▶ ATEX certification (II 2GD or II 3GD)
- ▶ Inlet pressures up to 20 bar

Note

In order to ensure that any fluid discharged by the auto drain assembly is adequately drained away, it is recommended you use a 6mm fitting and tube.


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 - L versions)		
Protection and bowl type		Technopolymer protection - PA bowl			
		Technopolymer protection - PC bowl			
		/	Metal protection - PA bowl		
			Metal protection - PC bowl		
			Metal bowl (blind metal 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 and L versions	not available	G3/8" - 1/4 NPT	G1/2" - 1/2 NPT	G1" - 1 NPT
Assembly configuration		Stand alone			
			/		Panel mounted
Assembly positions		Vertical ±5°			
Filter pore size		5 µm			
		20 µm			
		50 µm			
Bowl capacity		18 cm ³	34 cm ³	68 cm ³	90 cm ³
Condensation drain		Semi-automatic			
		Automatic			
Max. fittings torque IN / OUT connections	G1" metal	/	/	/	35Nm
	G1/2" metal	/	/	30Nm	
	G1/4" metal	20Nm		/	
	G1/8" metal	15Nm	/	/	
	G3/8" metal	/	25Nm		/
	G1/2" technopolymer	/	/	22Nm	
	G1/4" technopolymer	9Nm	/	/	
	G3/8" technopolymer	/	16Nm	/	

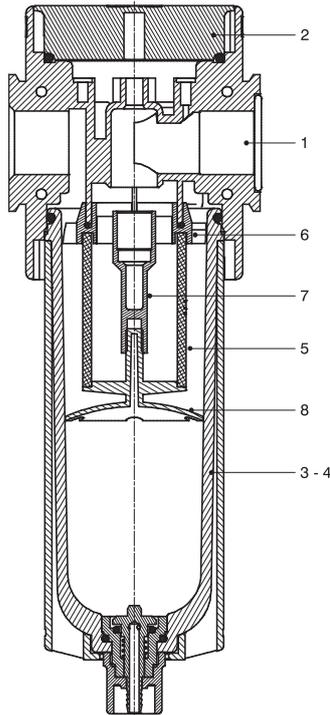
Operational characteristics

Size	Size 1	Size 2	Size 3	Size 4	Size 1	Size 2	Size 3	Size 4
Condensation drain	Semi-automatic				Automatic			
Maximum working pressure	13 bar				10 bar			
	/	20 bar (only with body and metal bowl)			16 bar (only with body and metal bowl)			
Minimum working pressure	0,5 bar							
Working temperature	-5°C...+50°C							
	/	-30 °C ... +80 °C (only for P version and metal bowl)			-5°C...+50°C			
		-40 °C ... +80 °C (only for L version and metal bowl)						

Weights

Size	Size 1	Size 2	Size 3	Size 4
Fully technopolymer version	129 g	226 g	355 g	/
Technopolymer body version, aluminium bowl protection and technopolymer bowl	/	257 g	393 g	/
Technopolymer body version, aluminium bowl	/	301 g	465 g	/
Aluminium body version, technopolymer protection and bowl	/	314 g	477 g	1163 g
Aluminium body version, aluminium bowl protection and technopolymer bowl	/	344 g	514 g	1306 g
Aluminium body version and aluminium bowl	/	389 g	587 g	1330 g

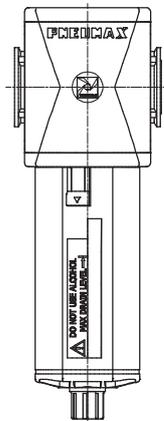
Materials
Exploded sectioned



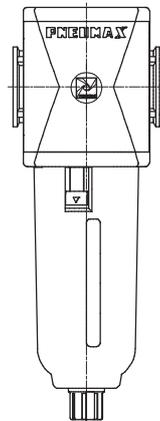
Filter		
1	Body	Polyamide Die-cast aluminium
2	Plug	Polyamide
3	Technopolymer bowl	Polycarbonate Polyamide
4	Metal bowl Bowl protection	Die-cast aluminium Polyamide - Die-cast aluminium
5	Filtering element	Polyethylene
6	Baffle	Acetal resin
7	Spool support	Acetal resin
8	Filtering element support	Acetal resin

Design

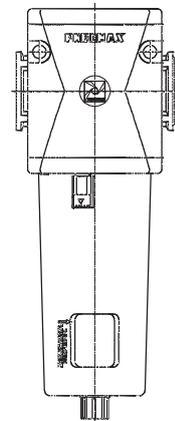
Size 1 - Size 2 - Size 3
Technopolymer protection



Size 1 - Size 2 - Size 3
Protection / Metal bowl



Size 4
All versions



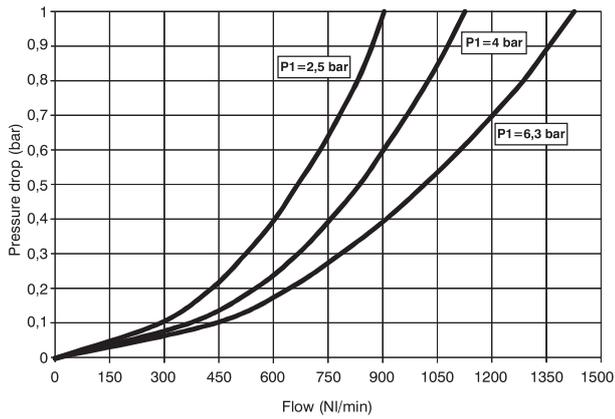
Coding: **V17TFSC0**

V	VERSION	S	FILTER PORE SIZE	
	N = Technopolymer body and metal inserts (not available for size 4)		A = 5 µm	
	T = Technopolymer body and thread (not available for size 4)		B = 20 µm	
	P = Aluminum body (not available for size 1)		C = 50 µm	
	L = Aluminum body, low temperature (not available for size 1)		CONDENSATION DRAIN	
	SIZE AND CONNECTIONS		G	= Semi-automatic drain
	1A = Size 1 - G1/8" only for N version		S	= Automatic drain
	1B = Size 1 - G1/4" only for T - N versions		0	BOWL OPTIONS
	1C = Size 1 - 1/4" NPT only for N version			= Technopolymer protection - PC bowl
	2A = Size 2 - G1/4" only for N version			N = Technopolymer protection - PA bowl
2B = Size 2 - G3/8" for all versions	P = Metal protection - PC bowl (not available for size 1)			
2C = Size 2 - 3/8" NPT only for N version - 1/4" NPT only for P - L versions	R = Metal protection - PA bowl (not available for size 1)			
3A = Size 3 - G3/8" only for N version	T = Metal bowl (not available for size 1)			
3B = Size 3 - G1/2" for all versions				
3C = Size 3 - 1/2" NPT only for N - P - L versions				
4B = Size 4 - G1" only for P - L versions				
4C = Size 4 - 1" NPT only for P - L versions				

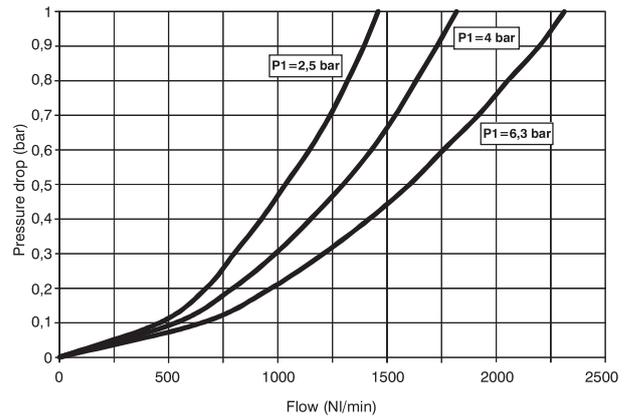
Example: **T173BFBST**: Size 3 filter G1/2" 20 µm, automatic drain and metal bowl

Characteristic curves

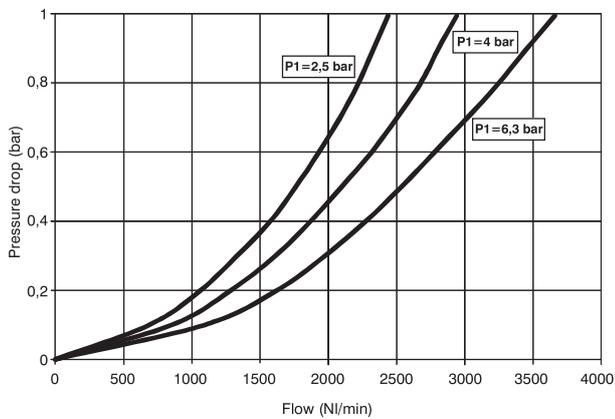
Flow rate curves, Size 1



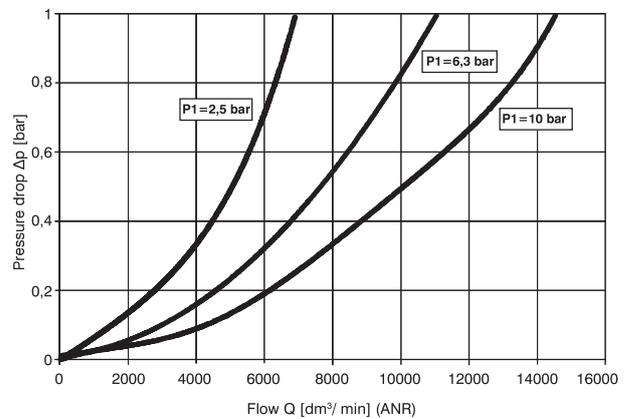
Flow rate curves, Size 2



Flow rate curves, Size 3



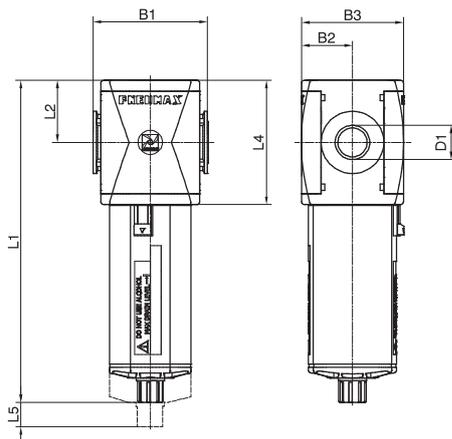
Flow rate curves, Size 4



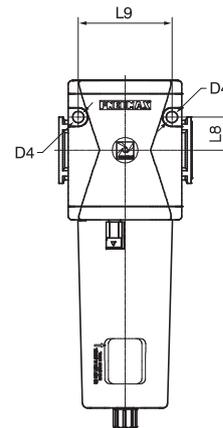
2
AIR TREATMENT

Dimensions

Semi-automatic drain version



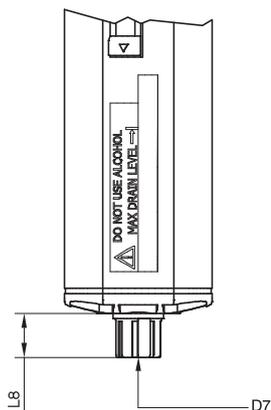
Fixing holes dimension detail (only for size 4)



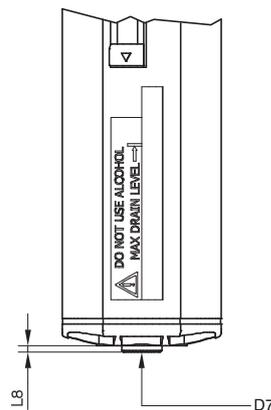
Model	B1	B2	B3	D1	D4	L1 - Bowl material		L2	L4	L5	L8	L9
						Technopolymer	Metal					
#171..	48	21	42	G1/8" G1/4" 1/4 NPT	/	148	/	27,5	55	40	/	/
#172..	62	28.5	57	G1/4" G3/8" 1/4 NPT 3/8 NPT	/	169.1	171.5	34	68	50	/	/
#173..	73	32.5	65	G3/8" G1/2" 1/2 NPT	/	207.2	209.5	40	80	65	/	/
#174..	99	44	88	G1" 1 NPT	8.5	262	264.5	52.5	105	103	25	70

Variable dimensions

Semi-automatic drain version



Automatic drain version



Model	L8 - Bowl material		D7
	Technopolymer	Metal	
Semi-automatic drain	15,7	18	Plastic hose connector Ø6
Automatic drain	2	4,5	G1/8"