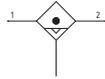
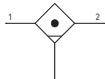


Coalescing filters (DA)


- ▶ Coalescing filter
- ▶ Available in 4 sizes with flow rates up to 8000 NI/min and connections from 1/8" to 1"
- ▶ Filtering cartridge with filtration grade of 0,01 μm
- ▶ Filtering performances 99.97% (particles up to 0.01 μm)
- ▶ 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 the high level of filtration, it is recommended that a 5μ filter is installed before the coalescing filter. 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

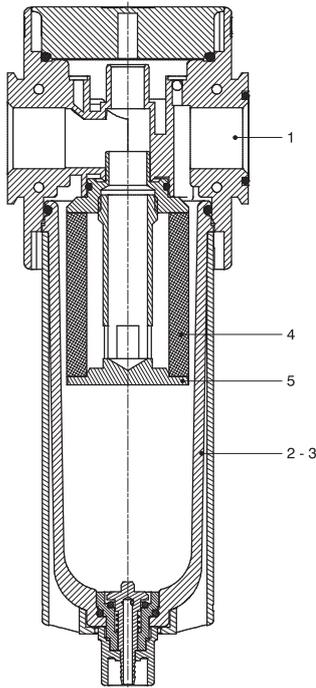


Size		Technical characteristics				
		Size 1	Size 2	Size 3	Size 4	
Body and connections type		Technopolymer body, integrated technopolymer connections (T version)			/	
		Technopolymer body, metal connections (N version)				
		/	Aluminium body, integrated aluminium connections (P - L versions)			
Protection and bowl type		Technopolymer protection - PA bowl				
		Technopolymer protection - PC bowl				
		/	Metal protection - PA bowl		Metal protection - PC bowl	
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"	G1/2"	
Assembly configuration		Stand alone			Panel mounted	
Assembly positions		Vertical ±5°				
Filter pore size		0.01 μm, 99.97% efficiency				
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	/	/	35 Nm	
		G1/2" metal	/	30 Nm	/	
		G1/4" metal	20Nm		/	/
		G1/8" metal	15 Nm	/	/	/
		G3/8" metal	/	25 Nm		/
		G1/2" technopolymer	/	/	22 Nm	/
		G1/4" technopolymer	9 Nm	/	/	/
		G3/8" technopolymer	/	16 Nm	/	/

Size		Operational characteristics							
		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			
Minimum working pressure		/	20 bar (only with body and metal bowl)			16 bar (only with body and metal bowl)			
Working temperature		-5°C...+50°C				0,5 bar			
Working temperature		/	-30 °C ... +80 °C (only for P version and metal bowl) -40 °C ... +80 °C (only for L version and metal bowl)			-5°C...+50°C			

Size		Weights			
		Size 1	Size 2	Size 3	Size 4
Fully technopolymer version		130 g	224 g	366 g	/
Technopolymer body version, aluminium bowl protection and technopolymer bowl		/	251 g	402 g	/
Technopolymer body version, aluminium bowl		/	293 g	475 g	/
Aluminium body version, technopolymer protection and bowl		/	309 g	493 g	1197 g
Aluminium body version, aluminium bowl protection and technopolymer bowl		/	337 g	529 g	1340 g
Aluminium body version and aluminium bowl		/	378 g	603 g	1365 g

Materials
Exploded sectioned



Coalescing filter		
1	Body	Polyamide Die-cast aluminium
2	Technopolymer bowl	Polycarbonate Polyamide
3	Metal bowl Bowl protection	Die-cast aluminium Polyamide - Die-cast aluminium
4	Filtering element	Borosilicate glass fiber
5	Filtering element support	Aluminium

2

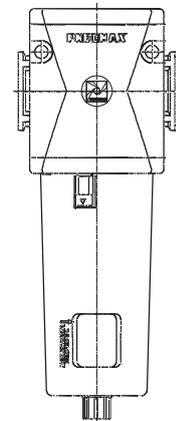
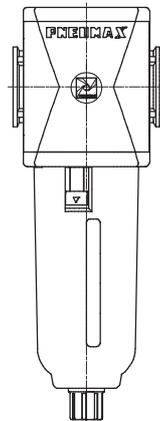
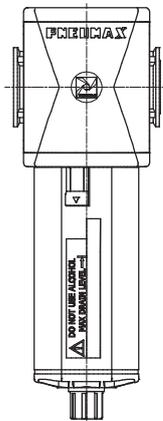
AIR TREATMENT

Design

Size 1 - Size 2 - Size 3
Technopolymer protection

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

Size 4
All versions



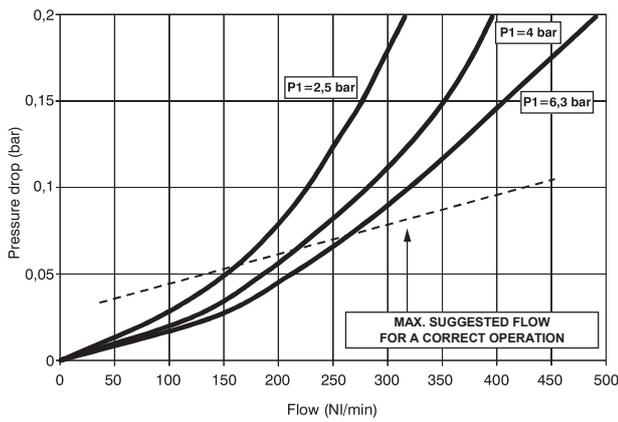
Coding: **V17TDAC**

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

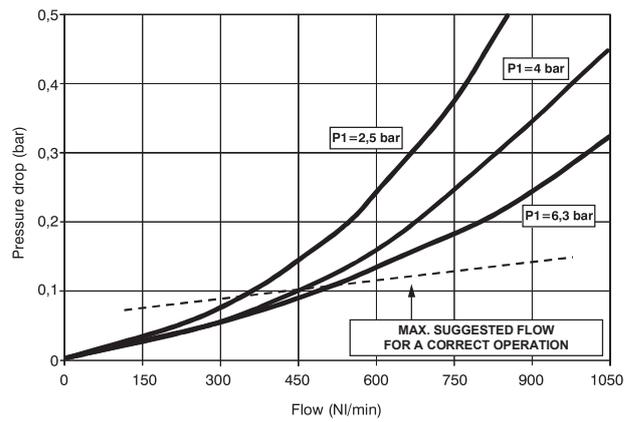
Example: T173BDAST: Size 3 coalescing filter G1/2" 0,01 µm, automatic drain and metal bowl

Characteristic curves

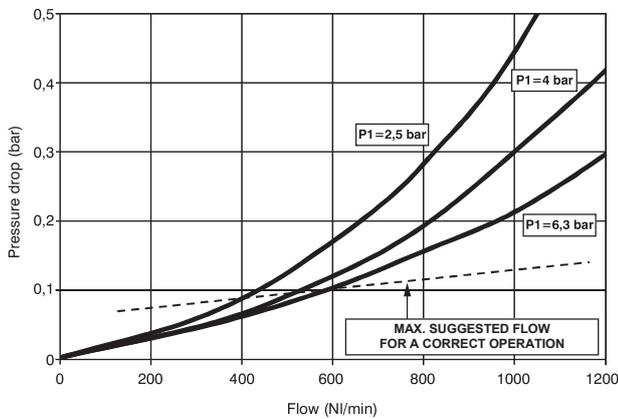
Flow rate curves, Size 1



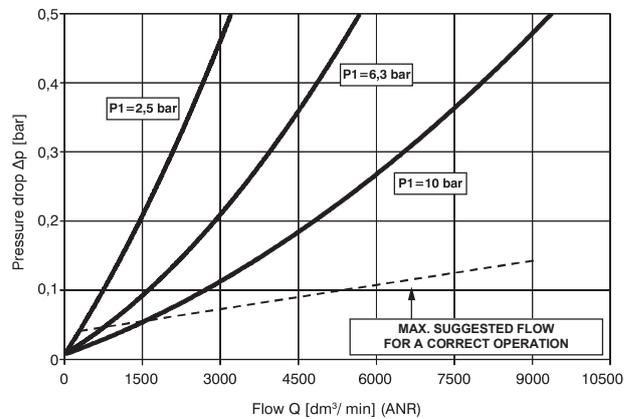
Flow rate curves, Size 2



Flow rate curves, Size 3



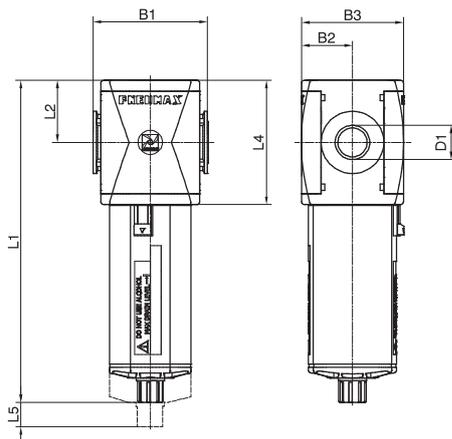
Flow rate curves, Size 4



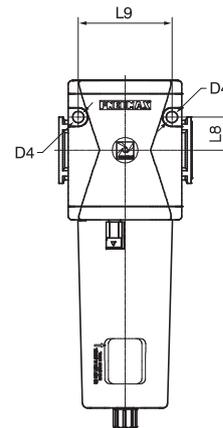
2
AIR TREATMENT

Dimensions

Semi-automatic drain version



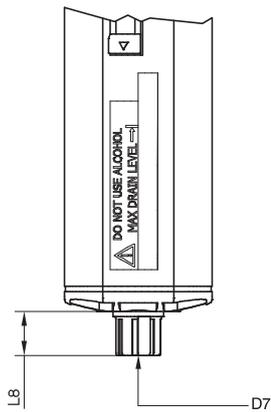
Fixing holes dimension detail (only for size 4)



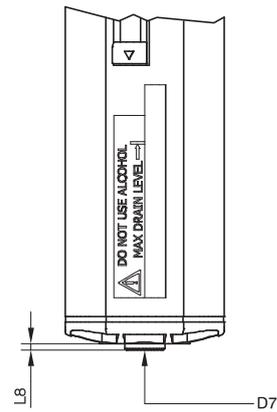
Model	B1	B2	B3	D1	D4	L1 - Bowl material		L2	L4	L5	L8	L9
						Technopolymer	Metal					
#171..	48	21	42	G1/8" G1/4" 1/4 NPT	/	148	/	27,5	55	40	/	/
#172..	62	28,5	57	G1/4" G3/8" 1/4 NPT 3/8 NPT	/	169,1	171,5	34	68	50	/	/
#173..	73	32,5	65	G3/8" G1/2" 1/2 NPT	/	207,2	209,5	40	80	65	/	/
#174..	99	44	88	G1" 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"