

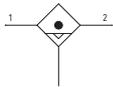
► Oil removal filters (DBV - DCV - DAV)



- ▶ Oil removal filter with coalescing filter element
- ▶ Available in 2 sizes with connections from 3/8" to 1"
- ▶ Particle removal up to 0,01 μm
- ▶ Oil residual 0,01 ppm
- ▶ Cartridge clogging level display:
 - green color - ok
 - red color - warning ($\Delta p > 0,5$ bar)
- ▶ Bowl assembly via bayonet type quick coupling mechanism with safety button
- ▶ Automatic drain mounted as standard
- ▶ Atex certification (II 2GD or II 3GD)

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



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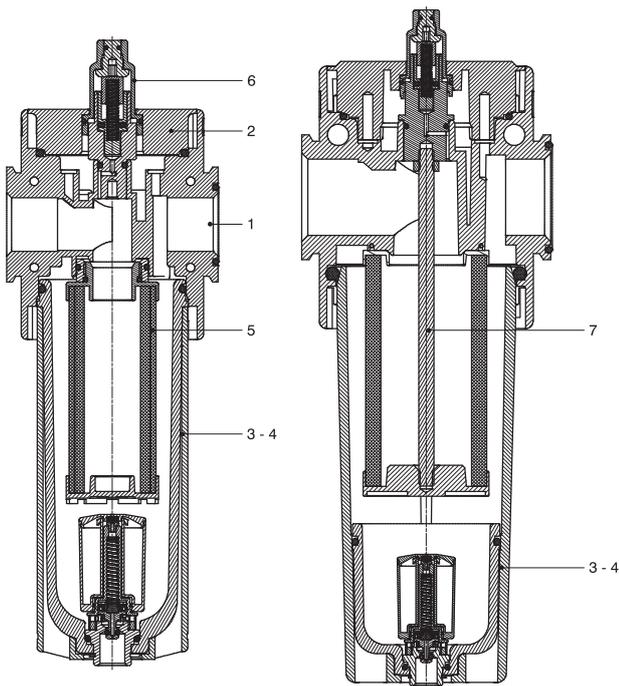
AIR TREATMENT

Size		Technical characteristics			
		Size 3	Size 4		
Body and connections type		Aluminium body, integrated aluminium connections (P version)			
		Technopolymer body, integrated technopolymer connections (T version)	/		
		Technopolymer body, metal connections (N version)	/		
Protection and bowl type		Technopolymer protection - PA bowl			
		Technopolymer protection - PC bowl			
		Metal protection - PA bowl			
		Metal protection - PC bowl			
IN / OUT connections		Metal bowl (blind metal bowl)			
		T version	G1/2"		
		N version	G3/8" - G1/2" - 1/2 NPT		
Assembly configuration		not available			
		P version	G1/2"		
Assembly positions		Stand alone			
		Panel mounted			
Filter pore size		Vertical ±5°			
		Particle removal up to 0,01 μm			
Bowl capacity		Outgoing oil residual 0,01 ppm			
		Automatic			
Condensation drain		30 cm ³			
		90 cm ³			
		Max. fittings torque IN / OUT connections		G1" metal	35Nm
				G1/2" metal	30Nm
Max. fittings torque IN / OUT connections		G3/8" metal	25Nm		
		G1/2" technopolymer	22Nm		

Size		Operational characteristics	
		Size 3	Size 4
Condensation drain		Automatic	
Maximum working pressure		10 bar	
Minimum working pressure		0,5 bar	
Working temperature		-5 °C ... +50 °C	

Size	Weights		
	Size 3 Standard cartridge	Size 3 Oversize cartridge	Size 4
Fully technopolymer version	416 g	634 g	/
Technopolymer body version, aluminium bowl protection and technopolymer bowl	453 g	671 g	/
Technopolymer body version, aluminium bowl	526 g	742 g	/
Aluminium body version, technopolymer protection and bowl	538 g	661 g	1230 g
Aluminium body version, aluminium bowl protection and technopolymer bowl	575 g	698 g	1374 g
Aluminium body version and aluminium bowl	647 g	769 g	1398 g

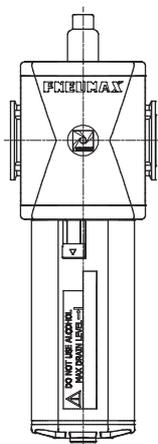
Materials
Exploded sectioned



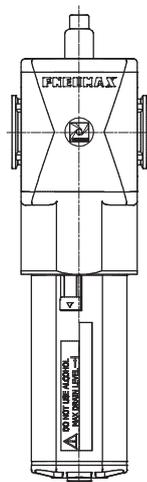
Oil removal filter		
1	Body	Polyamide Die-cast aluminium
2	Upper plug	Polyamide
3	Technopolymer bowl	Polycarbonate Polyamide
4	Metal bowl Bowl protection	Die-cast aluminium Polyamide - Die-cast aluminium
5	Filtering element	/
6	Visual indicator	Polycarbonate
7	Tie rod	Steel (only for size 4)
8	Automatic drain	/

Design

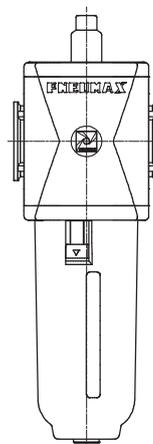
Size 3
Technopolymer protection



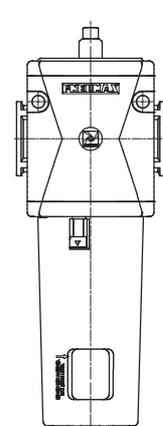
Size 3 - Oversize cartridge
Technopolymer protection



Size 3
Protection / Metal bowl



Size 4
All versions



Coding: **V17T**

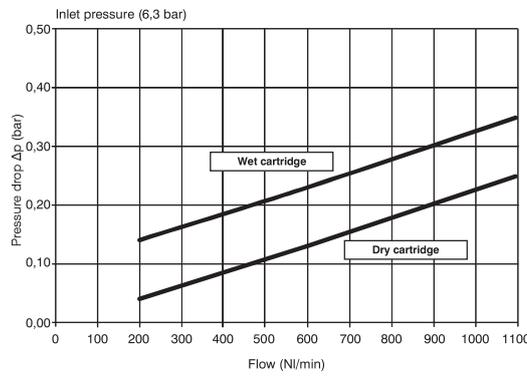
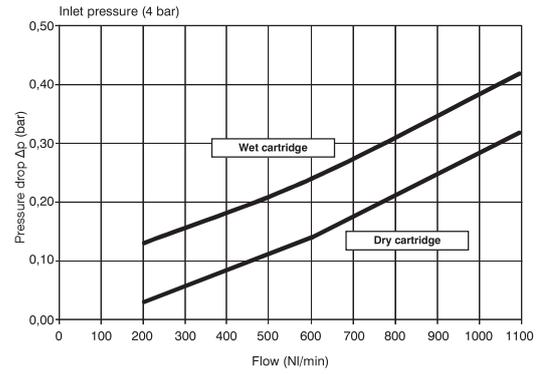
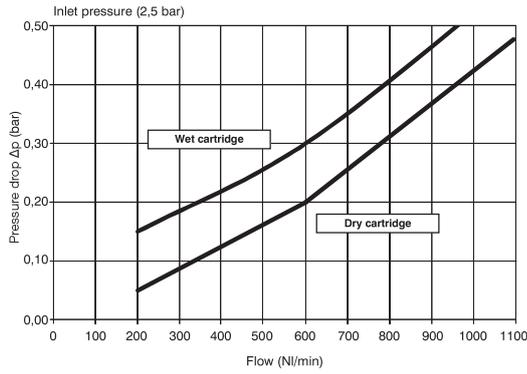
V	VERSION
	N = Technopolymer body and metal inserts (not available for size 4)
	T = Technopolymer body and thread (not available for size 4)
T	P = Aluminium body version
	SIZE AND CONNECTIONS
	3ADBV = Size 3 - G3/8" standard cartridge only for N version
	3BDBV = Size 3 - G1/2" standard cartridge for all versions
	3CDBV = Size 3 - 1/2" NPT standard cartridge only for N version
	3BDCV = Size 3 - G1/2" oversize cartridge only for P version
0	4BDV = Size 4 - G1" standard cartridge only for P version
	BOWL OPTIONS
	N = Technopolymer protection - PC bowl
	P = Metal protection - PC bowl
	R = Metal protection - PA bowl
	T = Metal bowl

Example: **T173BDBVT**: Size 3 oil removal filter G1/2", standard cartridge, metal bowl

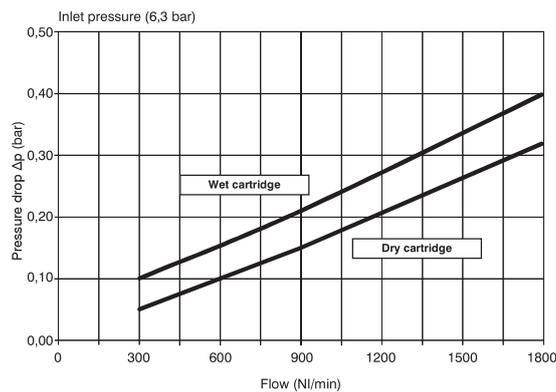
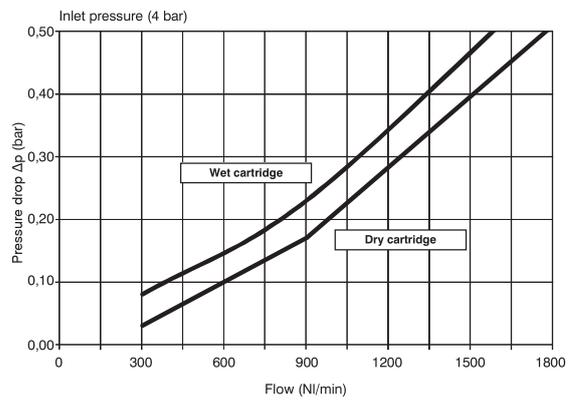
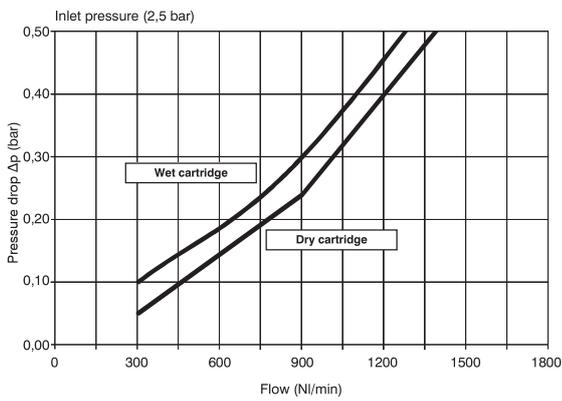


Characteristic curves

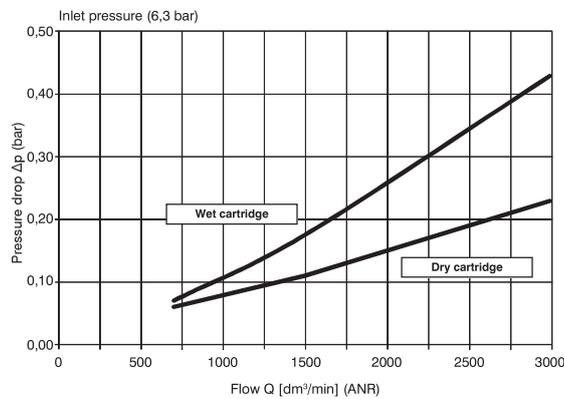
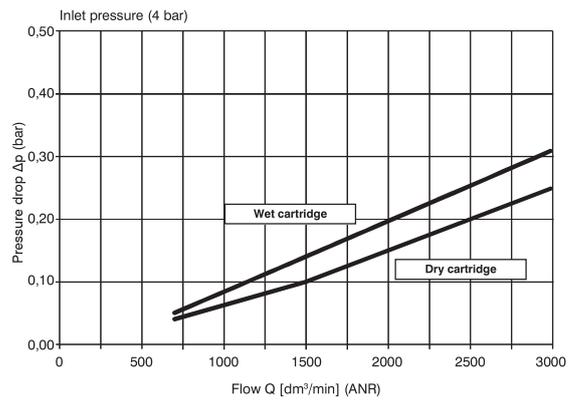
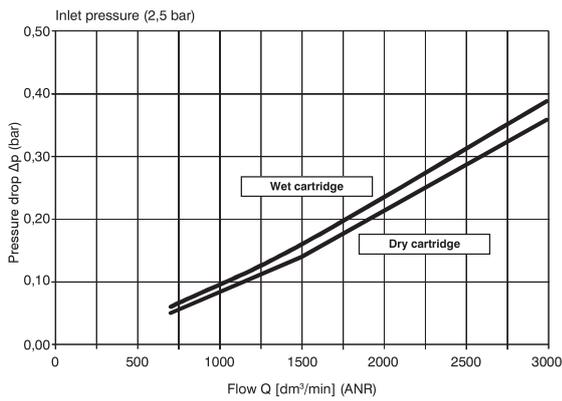
Size 3 - Standard cartridge



Size 3 - Oversize cartridge



Size 4 - Standard cartridge

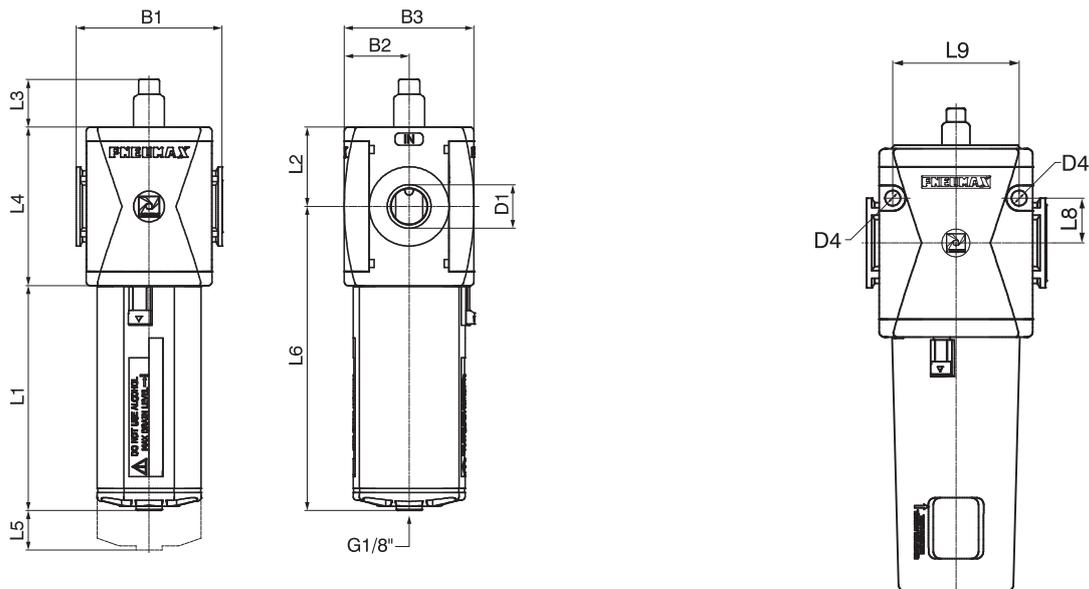


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AIR TREATMENT

Dimensions

Fixing holes dimension detail
(only for size 4)



Model	B1	B2	B3	D1		L1 - Bowl material		L3	L4		L5	L8	L9
				Standard cartridge	Oversize cartridge	Technopolymer	Metal		Standard cartridge	Oversize cartridge			
#173..	73	32.5	65	G3/8" G1/2" 1/2 NPT	G1/2"	113.5	116	24.1	80	118	65	/	/
#174..	99	44	88	G1"	/	143	145.5	22.5	105	/	103	25	70