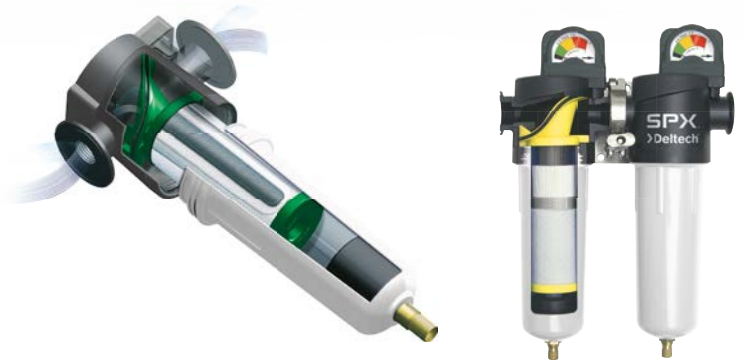


Filters

NG SERIES

BENEFITS AND FEATURES

- The unique patented Venturi-Wave™ design of the filter element caps enables turbulence-free transition for the compressed air
- Pleated filter element with 96% cavity space reduces Δp up to 50% compared to conventional filter elements
- Coloured end caps on the filter elements clearly define filtration grades
- Easy installation of Inlet and outlet by flanges or screw coupling
- All materials are silicon-free/paint-compatible



Filtration Degree & Efficiency	SF ■	PF ■	HF ■	UF ■	CF ■
Max. inlet load	25,000 ppm w/w	2,000 ppm w/w	1,000 ppm w/w	100 ppm w/w	0.01 ppm w/w
Solid particles	$\leq 3.0 \mu\text{m}$	$\leq 1.0 \mu\text{m}$	$\leq 0.01 \mu\text{m}$	$\leq 0.01 \mu\text{m}$	$\leq 0.01 \mu\text{m}$
Liquid	$\leq 3.0 \mu\text{m}$	$\leq 1.0 \mu\text{m}$	$\leq 0.01 \mu\text{m}$	$\leq 0.01 \mu\text{m}$	–
Oil	$\leq 5 \text{ mg/m}^3$	$\leq 0.5 \text{ mg/m}^3$	$\leq 0.01 \text{ mg/m}^3$	$\leq 0.0008 \text{ mg/m}^3$	–
Oil vapour	–	–	–	–	$\leq 0.003 \text{ mg/m}^3$
Quality class particles	3	2	1	1	1
Quality class oil	5	2	1	1	1
Particle retention efficiency	–	99.999 %	99.999 %	99.999 %	99.999 %
Oil retention efficiency	50 %	80 %	99.99 %	99.99 %	–

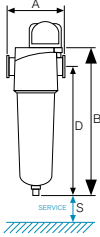
The Deltech® particle and oil filters and carbon adsorbers comply with the ISO 8573-1:2001 and ISO 12500:2007 requirements class 1 till 5 and offer an optimal and economical protection for compressed air applications.

Accessories	SF			PF				HF				DF	UF			CF				
	02-07	08-12	13-17	02-07	08-12	13-17	810-5265	02-07	08-12	13-17	810-5265	810-5265	02-07	08-12	13-17	02-07	08-12	13-17	810-5265	
Differential pressure monitoring	Differential pressure indicator	●	–	–	●	–	–	–	●	–	–	–	–	●	–	–	–	–	–	–
	Differential pressure gauge	○	●	●	○	●	●	○	●	●	●	●	○	●	●	–	–	–	–	–
	Differential pressure gauge with potential free alarm contact	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	–	–	–	–
Drains	Float drain	●	●	–	●	●	–	–	●	●	–	–	–	●	●	–	–	–	–	–
	Timer drain	○	○	–	○	○	–	●	○	○	–	●	–	○	○	–	–	–	–	–
	Electronic Level Controlled drain	○	○	●	○	○	●	○	○	○	●	○	–	○	○	●	–	–	–	–
	Manual drain	○	○	○	○	○	○	–	○	○	○	–	●	○	○	○	●	●	●	●
Oil content indicator	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	○	○	○	○	–

General Data	
Medium	Compressed air
Housing	F02 – 17-B: Die-Cast Aluminium
Colour	RAL 9001 (white)
Location	Indoors
Vessel certifications	CE
IP rating	IP 65

● standard ○ optional – not available

Model	Flow Rate* m³/h	Connec- tion	Dimensions					Weight kg	Filter Elements					Count			
			A	B	C	D	E		S	SF	PF	HF	UF		CF		
NG-02-SF/PF/HF/UF/CF	34	1/4"															
NG-03-SF/PF/HF/UF/CF	59	3/8"	114	206		171			102								
NG-04-SF/PF/HF/UF/CF	85	1/2"		252		216											
NG-06-SF/PF/HF/UF/CF	127																
NG-07-SF/PF/HF/UF/CF	175	3/4"	132	262		220			127								
NG-08-SF/PF/HF/UF/CF	267	1"		326		284											
NG-10-SF/PF/HF/UF/CF	437			337		276											
NG-11-SF/PF/HF/UF/CF	612	1 1/2"	200	434	-	373	-	178									1
NG-12-SF/PF/HF/UF/CF	681	2"		566		505											
NG-13-SF/PF/HF/UF/CF	993																
NG-14-SF/PF/HF/UF/CF	1,317	2 1/2"		634		550											
NG-15-SF/PF/HF/UF/CF	1,750		231						204								
NG-16-SF/PF/HF/UF/CF	2,039			817		733											
NG-17-SF/PF/HF/UF/CF	2,549	3"		1,085		1,001											



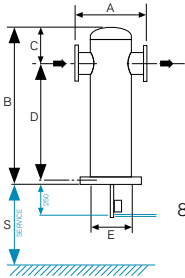
NG-02 – NG-17

Model	Flow Rate* m³/h	Connections:		Dimensions					Weight kg	Filter element				Count				
		Inlet/ outlet	Drain	A	PF/HF DF	DF	CF	PF/HF, DF		CF	E	S	PF		HF	DF	CF	
				mm					kg									
810	2,700	BSP/DN								55								
1215	4,050	DN100		450	1,084	1,084	1,084	167	167	273								
1620	5,400																	
2025	6,750	DN150	1/2"	535	1,186	1,186	1,186	261	261	324	610	8113 PFD	8113 HFDL	8113 DFD	8113 CFD			
2430	8,100			600	1,184	1,184	1,184	224	224	400								
3645	12,150	DN200		720	1,302	1,302	1,302	337	337	500								
5265	17,550	DN250		790	1,398	1,398	1,398	359	359	550								

* The capacity of the dryer is based on the intake volume of the compressor at 20°C, 1 bar (a).

Nominal dryer capacity according to ISO 7183: Operating pressure 7 bar (g). Pressure dew point +3°C. Operating temperature 35°C.

Technical data and specification are subject to change without prior notice



810 - 5265

Design Data*	Min.	Nom.	Max.
Operating pressure	2 bar (g)	7 bar (g)	16 bar (g)
Ambient temperature	+2 °C	+20 °C	+55 °C
Operating temperature	+2 °C	+20 °C	+66 °C

* The following correction factors need to be used to select the correct unit for other operating conditions.

Correction factors for differing inlet pressures in bar (g)															
bar (g)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NG-02 – NG-17	0.38	0.5	0.63	0.75	0.88	1	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2	2.13
810 – 5265															

Filter elements	SF	PF	HF	UF	CF
Starting pressure loss (dry) bar	0.06	0.04	0.04	0.06	0.07
Starting pressure loss (wet) bar	0.07	0.10	0.12	0.14	-
Change elements at pressure difference of bar*	0.40	0.40	0.40	0.40	1,000 h

* latest after 12 months or at a differential pressure of 400 mbar. Activated carbon elements latest after 1,000 operating hours.



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