

Compressed Air Filters NG

Benefits and features

- The unique patented Venturi-Wave™ design of the filter element caps enables turbulence-free transition for the compressed air
- Pleated filterelement 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



Deltech®

Filtration Degree & Efficiency	PF	HF	CF
Max. inlet load	2000 ppm w/w	1000 ppm w/w	0,01 ppm w/w
Solid particles	$\leq 1,0 \mu\text{m}$	$\leq 0,01 \mu\text{m}$	$\leq 0,01 \mu\text{m}$
Liquid	$\leq 1,0 \mu\text{m}$	$\leq 0,01 \mu\text{m}$	-
Oil	$\leq 0,5 \text{ mg/m}^3$	$\leq 0,01 \text{ mg/m}^3$	-
Oil vapour	-	-	$\leq 0,003 \text{ mg/m}^3$
Quality class particles	2	1	1
Quality class oil	2	1	1
Particle retention efficiency	99,999%	99,999%	99,999%
Oil retention efficiency	80%	99,99%	-

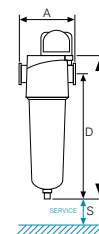
The Deltech® particle and oil filters and carbon adsorbers comply with the ISO 8573-1:2001 and ISO 12500:2007 requirements class 1 till 5 and offer an optimal and economical protection for compressed air applications.

Accessories		PF				HF				CF			
		02-07	08-12	13-17	810-5265	02-07	08-12	13-17	810-5265	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	■	■	■	-	■	■	■	-	●	●	●	●
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

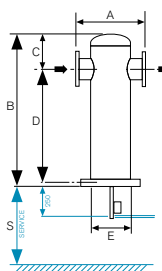
- standard
- optional
- not available

Model	Flow Rate m³/h	Con- nec- tion BSP	Dimensions mm						Weight kg	Filter Elements			Count
			A	B	C	D	E	S		PF	HF	CF	
NG-02-PF/HF/CF	34	1/4	114	206	-	171	-	102	0,8	E-02-PFD	E-02-HFD	E-02-CFD	1
NG-03-PF/HF/CF	59	3/8	114	206	-	171	-	102	0,8	E-03-PFD	E-03-HFD	E-03-CFD	1
NG-04-PF/HF/CF	85	1/2'	114	252	-	216	-	102	0,9	E-04-PFD	E-04-HFD	E-04-CFD	1
NG-06-PF/HF/CF	127	3/4	132	262	-	220	-	127	1,4	E-06-PFD	E-06-HFD	E-06-CFD	1
NG-07-PF/HF/CF	175	3/4	132	262	-	220	-	127	1,4	E-07-PFD	E-07-HFD	E-07-CFD	1
NG-08-PF/HF/CF	267	1	132	326	-	284	-	127	1,6	E-08-PFD	E-08-HFD	E-08-CFD	1
NG-10-PF/HF/CF	437	1 1/2	200	337	-	276	-	178	3,8	E-10-PFD	E-10-HFD	E-10-CFD	1
NG-11-PF/HF/CF	612	1 1/2	200	434	-	373	-	178	4,5	E-11-PFD	E-11-HFD	E-11-CFD	1
NG-12-PF/HF/CF	681	2	200	566	-	505	-	178	5,3	E-12-PFD	E-12-HFD	E-12-CFD	1
NG-13-PF/HF/CF	993	2 1/2	231	634	-	550	-	204	8,4	E-13-PFD	E-13-HFD	E-13-CFD	1
NG-14-PF/HF/CF	1317	2 1/2	231	634	-	550	-	204	8,4	E-14-PFD	E-14-HFD	E-14-CFD	1
NG-15-PF/HF/CF	1750	2 1/2	231	634	-	550	-	204	8,4	E-15-PFD	E-15-HFD	E-15-CFD	1
NG-16-PF/HF/CF	2039	3	231	817	-	733	-	204	12,6	E-16-PFD	E-16-HFD	E-16-CFD	1
NG-17-PF/HF/CF	2549	3	231	1085	-	1001	-	204	28,7	E-17-PFD	E-17-HFD	E-17-CFD	1



NG-02 – NG-17

Model	Flow Rate m³/h	Connections		Dimensions mm (PF/HF/CF)					Weight kg	Filter Element			Count
		Inlet/ outlet	Drain BSP	A	B	C	E	S		PF	HF	CF	
810	2700	DN100	1/2	450	1084	167	273	610	55				2
1215	4050	DN100	1/2	450	1084	167	273	610	90				3
1620	5400	DN150	1/2	535	1186	261	324	610	105				4
2025	6750	DN150	1/2	535	1186	261	324	610	105	8113 PFD	8113 HFDL	8113 CFD	5
2430	8100	DN150	1/2	600	1184	224	400	610	123				6
3645	12150	DN200	1/2	720	1302	337	500	610	235				9
5265	17550	DN250	1/2	790	1398	359	550	610	239				13



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																
810 - 5265	0,38	0,5	0,75	0,38	0,88	1	1,13	1,25	1,38	1,5	1,63	1,75	1,88	2	2,13	

Filter Elements	PF	HF	CF
Starting pressure loss (dry) bar	0,04	0,04	0,07
Starting pressure loss (wet) bar	0,10	0,12	-
Change elements at pressure difference of bar *	0,40	0,40	1000 h

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