

stainless steel industrial filters

FEATURES

- high efficiency stainless steel industrial filters for critical process applications and caustic environments
- high efficiency and low pressure drop
- encompasses 10 models with connections from ¼" to 3"
 NPT and rated flows from 50 to 1150 scfm
- choice of adsorbing, coalescing and particulate elements
- specifically designed for the efficient and effective removal of contaminants
- ideally suited for process applications such as food and beverage facilities with washdown requirements
- interchangeable borosilicate microfiber elements
- applications include high tech manufacturing, food processing, beverage, oil and gas, chemical and military



unique elements

incorporate stainless steel support media and a positive double o-ring click-lock seal to ensure optimal filtration integrity



SS housings

fabricated from polished 304 or 316 stainless steel for critical air and gas applications



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SPECIFICATIONS

filter model .	inlet & outlet	rated	flow ⁽¹⁾	dimensions (inches)				approx. weight	replacement element
	NPT	scfm	Nm³/h	А	B ⁽²⁾	С	D	lbs	_
PF 0050 (grade) -N	1/4"	50	85	9.45	4.14	2.76	2.24	4.2	E 102 (grade)
PF 0065 (grade) -N	3/8"	65	110	9.45	4.14	2.76	2.24	4.4	E 102 (grade)
PF 0085 (grade) -N	1/2"	85	144	9.45	4.25	2.76	2.24	4.6	E 102 (grade)
PF 0120 (grade) -N	3/4"	120	204	9.45	4.92	2.76	2.24	5.1	E 102 (grade)
PF 0170 (grade) -N	1"	170	289	11.40	4.92	3.35	2.78	7.3	E 105 (grade)
PF 0295 (grade) -N	1 ½"	295	501	12.70	5.51	3.35	3.49	11.4	E 105 (grade)
PF 0460 (grade) -N	2"	460	782	19.02	6.70	4.10	3.64	12.1	E 110 (grade)
PF 0680 (grade) -N	2"	680	1156	29.37	6.70	4.10	3.64	15.0	E 120 (grade)
PF 0850 (grade) -N	2 ½"	850	1444	29.53	7.17	4.10	3.80	15.2	E 120 (grade)
PF 1150 (grade) -N	3"	1150	1150	40.04	7.17	4.10	3.96	19.4	E 130 (grade)

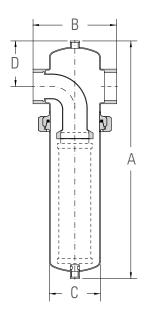
specifications	standard	optional				
design operating pressure range	0 to 232 psig		-			
inlet & outlet connections	NPT (F)	tri-clamp sanitary				
drain & vent connections	1/4" BSPP	-				
differential pressure indicator / gauge	-		on request			
filter housing material	1.4301 quality 304 stainless steel	31	1.4404 quality 6L stainless steel			
element performance	M1	M01	AC			

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maximum particle size (ISO Class)(3)	2	1	-	
maximum oil content (ISO Class) (3)	2	1	1	
particle removal (microns)	1	0.01	-	
max oil carry over at 68°F (ppm or mg/m³)	0.1	0.01	0.003	
oil removal efficiency at 68°F	>99.99%	>99.999%	-	
recommended operating temp range	35 to 212°F	35 to 212°F	35 to 77°F	
design operating temperature range	35 to 248°F	35 to 248°F	35 to 122°F	
pressure drop-clean	1.0 psid	1.5 psid	1.85 psid	
maximum element life	12 months o	r 8000 hours	6 months or 1000 hrs	

pressure correction factors									
operating pressure (psig)	60	70	85	100	115	145	175	205	232
correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51



^{(2) +/- 0.118&}quot;





⁽³⁾ per ISO 8573-1:2010

⁽⁴⁾ install with air flow from inside to outside for coalescing and from outside to inside for dry dust filtration

⁽⁵⁾ technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182