

## culinary steam filters

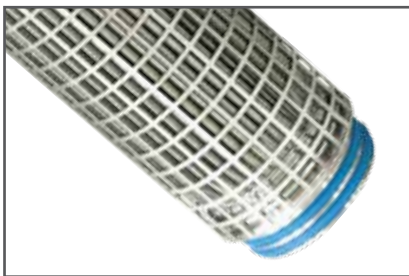
### FEATURES

- stainless steel culinary steam filters designed to provide culinary grade steam to the food and beverage industry
- high efficiency and low pressure drop provides efficient, cost effective performance exceeding 3A culinary specifications
- encompasses 6 models with connections from ½" to 3" NPT and rated flows from 125 to 4250 lbs/hr
- all materials conform to FDA regulations for direct food contact
- ideally suited for removing contaminants from steam used in food and beverage processing
- applications include food processing, beverage, dairy, biotechnology and aseptic processing



#### 100% integrity tested

pleated stainless steel elements incorporate positive double o-ring click-lock seal



#### 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 <sup>(1)</sup>	dimensions (inches)				approx. weight	replacement element
	NPT (F)	lbs/hr	A	B <sup>(2)</sup>	C	D	lbs	
PF 0085 SP-N	½"	125	9.45	4.25	2.76	2.24	4.6	E 102 SP
PF 0120 SP-N	¾"	300	9.45	4.92	2.76	2.24	5.1	E 102 SP
PF 0170 SP-N	1"	500	11.40	4.92	3.35	2.78	7.3	E 105 SP
PF 0460 SP-N	2"	1500	19.02	6.70	4.10	3.64	12.1	E 110 SP
PF 0850 SP-N	2 ½"	2600	29.53	7.17	4.10	3.80	15.2	E 120 SP
PF 1150 SP-N	3"	4250	40.04	7.17	4.10	3.96	19.4	E 130 SP

specifications	standard	optional
design operating pressure range	0 to 232 psig	-
inlet & outlet connections	NPT (F)	tri-clamp sanitary
drain & vent connections	¼" BSPP	-
filter housing material	1.4301 quality 304 stainless steel	1.4404 quality 316L stainless steel
filter housing polishing	passivated & polished to grade Ra <1.6 um	-
filter housing seals	aspetic EPDM	consult factory

element performance	
particle removal	1 micron
particle removal efficiency	99%
continuous operating temperature	212 to 392°F
media material	pleated 304 stainless steel mesh
media support & endcap material	304 stainless steel
element to housing connection	positive click lock with dual EPDM o-rings
differential pressure - clean	1.0 psid

pressure correction factors									
operating pressure (psia)	15	30	45	60	75	90	100	125	
correction factor	0.04	0.20	0.36	0.52	0.68	0.84	1.00	1.20	

- (1) at 100 psia and 80 ft/sec flow velocity. For all other pressures, refer to the correction factors above
- (2) +/- 0.118"
- (3) steam flow from outside to inside
- (4) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182

