

## culinary steam filters



### high efficiency stainless steel culinary steam filters for food and beverage applications

The nano P<sup>1</sup> range of culinary steam filters have been specifically designed to provide culinary grade steam to the food and beverage industry.

This range encompasses ten models with connections from ¼" to 3" and rated flows from 75 to 4250 lbs/hr.

With polished stainless steel housings and all materials conforming to FDA regulations for direct food contact, these filters are ideally suited for removing contaminants from steam used in food and beverage processing.

The pleated stainless steel elements incorporate a positive double o-ring click-lock seal and are 100% integrity tested prior to shipment for reliable performance.

### high performance filtration for the food and beverage industry

With high efficiency and low pressure drop these filters provide efficient, cost effective performance exceeding 3A culinary specifications. There is no better filter for your culinary steam needs.



#### applications include:

food processing

beverage

dairy

biotechnology

aseptic processing

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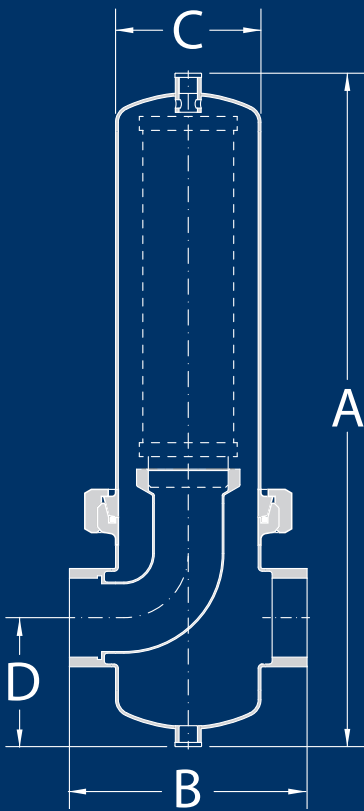
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# technical specification

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		
PF 0050 SP-N	¼"	75	9.45	4.14	2.76	2.24	4.2	E 102 SP
PF 0065 SP-N	⅜"	100	9.45	4.14	2.76	2.24	4.4	E 102 SP
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 0295 SP-N	1 ½"	950	12.70	5.51	3.35	3.49	11.4	E 105 SP
PF 0460 SP-N	2"	1500	19.02	6.70	4.10	3.64	12.1	E 110 SP
PF 0680 SP-N	2"	2100	29.37	6.70	4.10	3.64	15.0	E 120 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 (psig)	0 to 232	-
inlet & outlet connections	NPT(F)	tri-clamp sanitary
drain & vent connections	1/4" BSPP	-
filter housing material	1.4301 quality 304 stainless steel	1.4404 quality 316L stainless steel
filter housing polishing	passivated & polished to grade Ra <1.6um	-
filter housing seals	aseptic EPDM	consult factory

element performance	SP
particle removal	1 micron
particle removal efficiency	99%
continuous operating temperature range	212 to 392°F
media material	pleated 316 stainless steel mesh
media support & endcap material	316 stainless steel
element to housing connection	positive click lock dual EPDM o-rings
differential pressure - clean	1.0 psid

pressure correction factors								
operating pressure (psia)	15	30	45	60	75	90	100	120
correction factor	0.04	0.20	0.36	0.52	0.68	0.84	1.00	1.20

(1) at 100 psia and 80ft/sec flow velocity. For all other pressures, refer to the pressure correction factors above

(2) +/- 0.118"

- air flow from outside to inside