

clean steam filters for hospital humification clean steam filters for food grade service clean steam filtration stations and systems

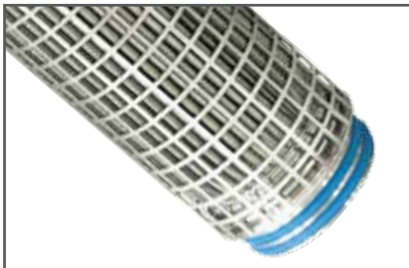
FEATURES

- 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



tel: 704-940-1228
fax: 704-940-1227
www.thermafloengineering.com

SPECIFICATIONS

filter model	inlet & outlet	rated flow ⁽¹⁾	dimensions (inches)				approx. weight	replacement element
	NPT (F)		A	B ⁽²⁾	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

Capacities listed are at 100 psig See Pressure multipliers below Sizes are available to 8" and capacities to 12,000 lbs /hr

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

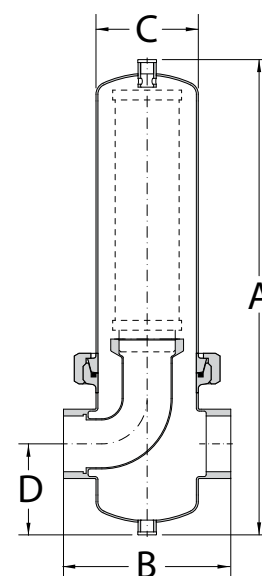
(2) +/- 0.118"

(3) steam flow from outside to inside

(4) technical specifications subject to change without notice. Direct inquiries to quotes@thermafloengineering.com

(5) Install thermodynamic steam trap at connection B

(6) Install HSS steam separator on the inlet with Thermaflo BFSS float and thermostatic steam trap



Thermaflo BFSS Stainless Steel Float and Thermostatic Steam Trap for Clean Steam Service