

# N100SS 0270 (grade)

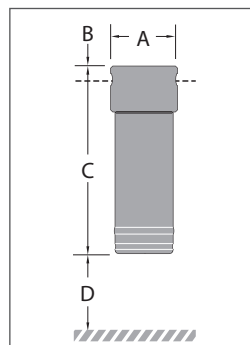
## 270 scfm high pressure stainless steel filter

Manufactured from high grade stainless steel, nano F<sup>4</sup> high pressure stainless steel filters are designed to exceed requirements for many high pressure applications including PET, offshore and instrumentation.



general characteristics	
rated flow (scfm) <sup>(1)</sup>	270
operating limits	
design operating pressure range (psig) <sup>(2)</sup>	0 to 1450
design operating temperature range (°F)	35 to 248
housing construction	
materials	316 stainless steel
element construction	
media	borosilicate glass microfiber
end caps	stainless steel
replacement element (part no)	E100SS 0270 (grade)
components	
condensate drain	manual ball valve as standard
differential pressure indicator / gauge	-
air circuit	
inlet & outlet connections (NPT)	¾"

dimensions and weights	
A (ins)	3.15
B (ins)	0.98
C (ins)	10.83
D (ins)	9.84
weight (lbs)	13.4



element performance	WS <sup>(2)</sup>	M25	M5	M1	M01	AC
particle removal (microns)	-	25	5	1	0.01	-
max oil carry over at 68°F (ppm or mg/m <sup>3</sup> )	25	10	5	0.1	0.01	0.003
recommended operating temp range	35 to 212°F	35 to 212°F	35 to 212°F	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 248°F	35 to 248°F	35 to 248°F	35 to 122°F

(1) at 1450 psig. For all other pressures, contact support@n-psi.com  
 (2) not available for models N50SS 0060, N50SS 2000, N100SS 0700, N100SS 1000, N350SS 0150, N350SS 0300, N350SS 0445 and N350SS 0775  
 (3) install with air flow from inside to outside for coalescing and from outside to inside for dry dust filtration  
 (4) differential pressure indicator not included  
 (5) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182

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## features

### features

- designed in accordance with ASME pressure vessel standards
- manufactured in an ISO 9001 approved facility and tested in accordance with ISO 8573.1:2010
- push fit element design eliminates risk of contaminant bypass
- hydrostatic tested prior to despatch to guarantee quality and performance
- threaded filters are PED 2014/68/EU compliant for group 2 gases
- supplied with drain plug. High pressure drains available as option