

N100SS 1000 (grade)

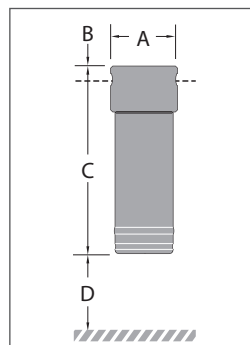
1000 scfm high pressure stainless steel filter

Manufactured from high grade stainless steel, nano F⁴ 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) ⁽¹⁾ | 1000 |
| operating limits | |
| design operating pressure range (psig) ⁽²⁾ | 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 1000 (grade) |
| components | |
| condensate drain | manual ball valve as standard |
| differential pressure indicator / gauge | - |
| air circuit | |
| inlet & outlet connections (NPT) | 1 1/2" |

| dimensions and weights | |
|------------------------|-------|
| A (ins) | 5.91 |
| B (ins) | 1.77 |
| C (ins) | 20.67 |
| D (ins) | 11.81 |
| weight (lbs) | 48.4 |



| element performance | WS ⁽²⁾ | M25 | M5 | M1 | M01 | AC |
|--|-------------------|-------------|-------------|-------------|-------------|-------------|
| particle removal (microns) | - | 25 | 5 | 1 | 0.01 | - |
| max oil carry over at 68°F (ppm or mg/m ³) | 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