

NANOCHEM[®] DOC[™] Particle Filter

Features and Benefits

- Filtration for all applications from source to point-of-use
- Enhances manufacturing process economy and improves equipment performance
- **Versatile and upgradeable design**
 - Acts as stand-alone particulate filter
 - Allows future installation of BLOC[®] purifier
- No moving parts or power requirements
- Low Overall Cost of Ownership

Specifications

- Recommended flow rates up to 20 slpm
- 0.003 μm particle filter with 99.9999999% retention
- Internal surface finish < 15 μin Ra
- Maximum allowable working pressure of 150 psig (1.14 MPa)

Connections

- Male inlet and outlet 1/4 inch, VCR[®]-compatible face seal fittings
- 1/4 inch tube stub connections for welded applications

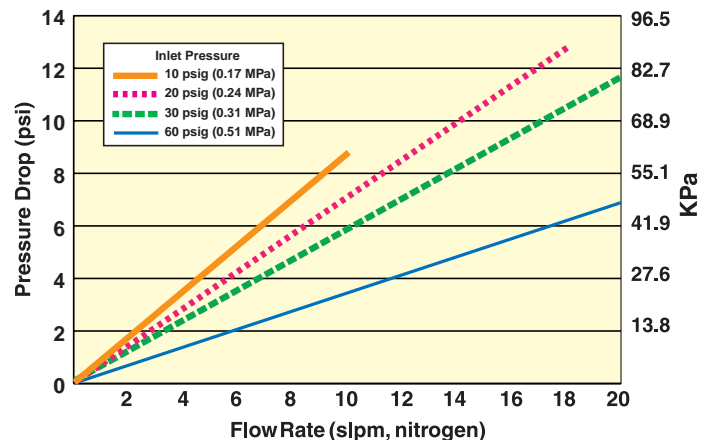
Overview

The NANOCHEM[®] DOC[™] filter is an ultra-high purity particle filter that also functions as a mounting station for optional NANOCHEM[®] BLOC[®] Purifiers.

- Accepts 50, 100 and 200 ml field interchangeable and replaceable BLOC[®] Purifier canisters
- Particulate filtration in a foot-print of only 2.11 inches (53.6 mm) with tube connections and 3.31 inches (84 mm) with VCR[®]-compatible face seal connections
- All metal parts, Type 316L VIM/VAR stainless steel or Nickel 200
- All metal Z-Seal[™] between body pieces



Pressure Drop vs. Flow Rate
(DOC[™] Only)



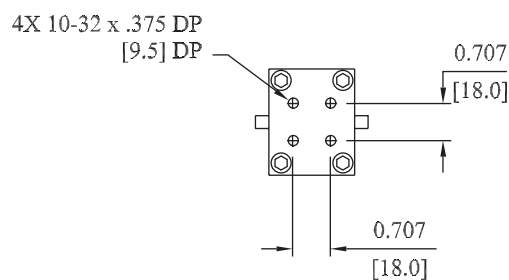
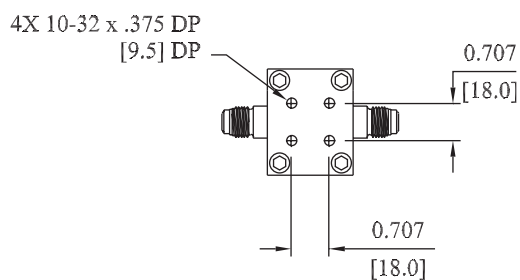
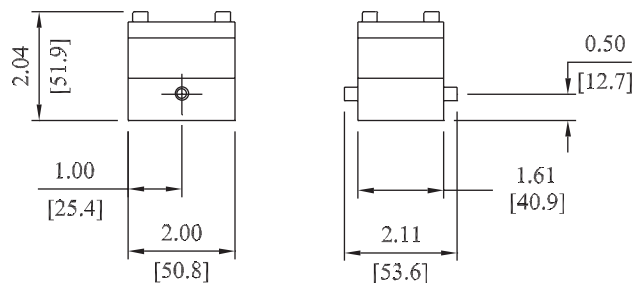
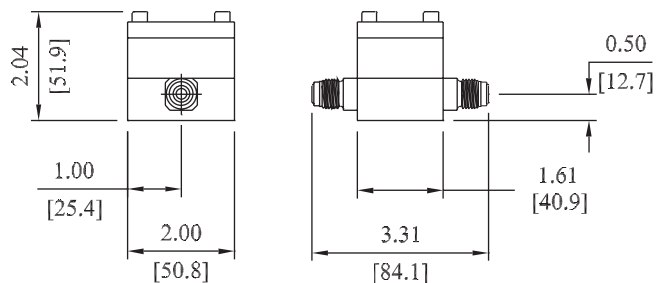
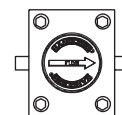
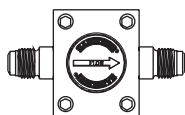
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MATHESON
TRI·GAS[®]

NANOCHEM® DOC™ Particle Filter

All dimensions are in inches (mm)



DOC™ Filter with VCR®-Compatible Connections

DOC™ Filter with Tube Stub Connections

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