



Avenger[™] Model 91 **Installation & Operation Instructions**

Manufacturing Contact Information

41041 Black Bayou Rd. Gonzales, LA 70737

A+ Corporation, LLC *Call for expert product application assistance:* Phone: (225)-644-5255 Website: www.geniefilters.com Fax: (225)-644-3975 E-mail: sales@geniefilters.com

Safety Warnings

A Failure to abide by any of the safety warnings below may result in equipment failure and serious injury or death.

- Valve off the sample flow before installation.
- Do not exceed any equipment pressure ratings.

Tools Required

- Four #10 screws for mounting bracket to panel.
- Screwdriver for mounting bracket to panel.





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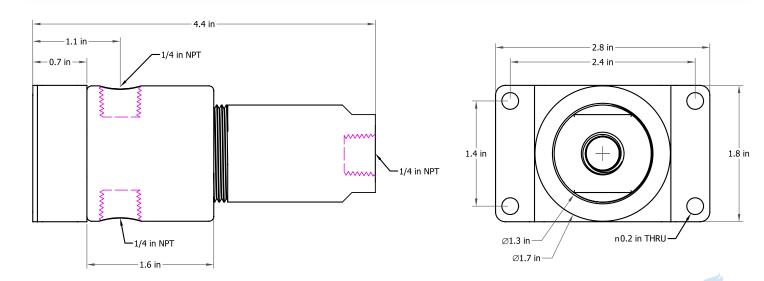


Technical Specifications

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Maximum pressure rating	3,750 psig (258.6 barg)
Maximum temperature	300°F (149°C) * Actual limit depends on sealing material chosen. Refer to Temperature Range Comparison Chart.
Element size	Outside Diameter: ~ 0.85" Inside Diameter: ~ 0.5" Length: ~ 2.3"
Element types	07CFS = coalescer fluorocarbon (99.97%*) 07PI = particulate inorganic (99.97%*) 07PF = particulate fluorocarbon (99.97%*) SS10A = sintered stainless steel (10 micron) SS100A = sintered stainless steel (100 micron) *% of 0.1 micron particles retained
Port sizes	1/4" female NPT
Number of ports	3 or 5
Internal volume	27 сс
Wetted materials	Machined parts: 316/316L stainless steel / ISO 15156-3 compliant All other metal parts: stainless steel / ISO 15156-3 compliant Sealing material: User Defined

Dimensions



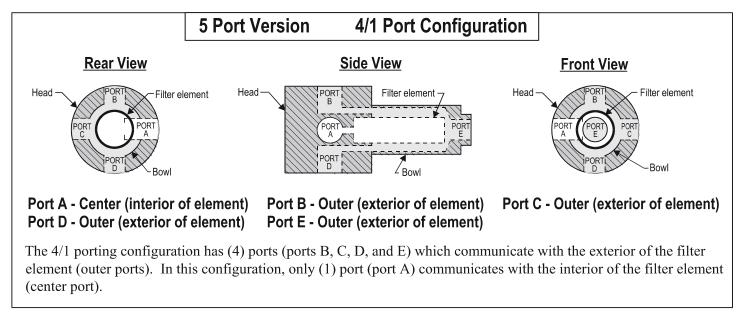


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Installation and Mounting Guidelines

- > Confirm that an appropriate filter element is installed in the Avenger housing before it is placed in service.
- > Contact A+ Corporation for expert assistance in selecting the appropriate filter element.
- > For further information, request the Avenger Element Brochure and Avenger Element Installation Instructions.



• The mounting and porting configurations indicated are general and may be modified for specific applications. The Avenger Model 91 housing can be rotated in 90° increments to position the "center port" and "outer port", located in the filter housing head, in a desired direction. The vertical and horizontal brackets are designed to accommodate the 90° incremental rotations.

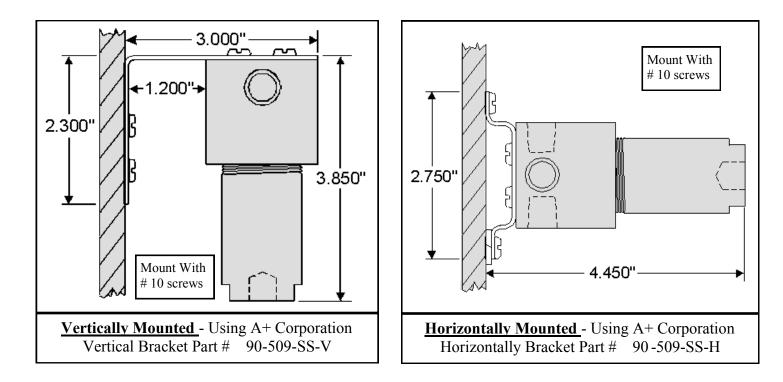






Advantages of Horizontal Mounting

- Reduces panel space requirements
- Easy access to filter element
- Easy to view gauge installed in the end port
- Replacement of element without disconnecting sample lines
- Fewer tube/pipe fittings required for installation







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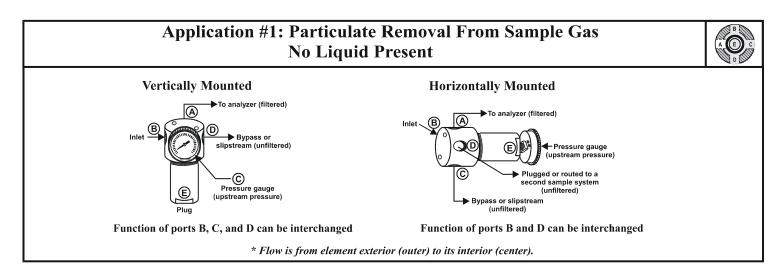


Three Typical Applications are detailed in the following figures.

1)Particulate removal from sample gas - no liquid present

2)Coalescing of liquids and removal of particulate from sample gas

3)Removal of particulate from a liquid stream







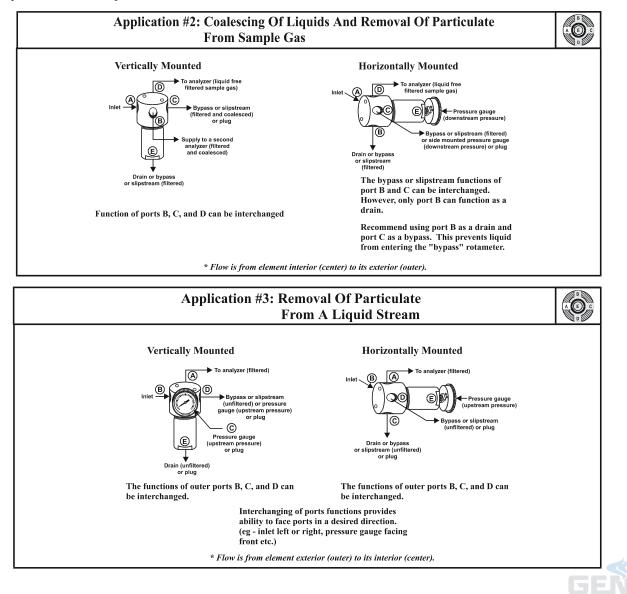


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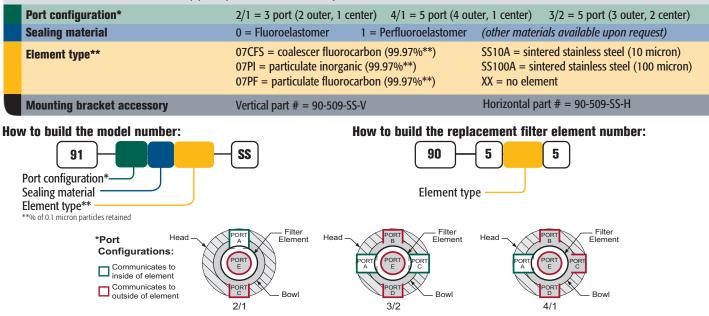
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Model Numbering & Additional Part Numbers

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Your model number is determined by your specific needs. Choose options below.







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