



Avenger 91

Particulate & Coalescing Filter



High performance filters providing the utmost flexibility for coalescing/particulate filtration needs

The Avenger™ 91 Filters provide the utmost in flexibility for your coalescing and particulate filtration needs.

3 or 5 Port to Suit your Instalation

The conventional 3-port model is a direct replacement for competitive vertically mounted sample filters. However, the 5-port model, with its two different porting configurations allows for greater mounting and application flexibility.

These filters were specifically designed for analyser sample conditioning applications by analyser sample conditioning specialists.

Large Annulus

The Avenger Model 91 has a larger annulus than the Model 95, making it better suited for coalescing applications.

“The large annulus of the Avenger Model 91 makes it an ideal, low-cost, better suited for coalescing applications”

KEY BENEFITS

- Analyser protection against liquid droplets and micron/submicron size particles
- Quick and easy installation and maintenance
- Helps to preserve sample integrity
- Continuous sampling in any process industry including natural gas, petrochemical, and oil refining
- Quick and easy element inspection

TECHNICAL SPECIFICATION

MAXIMUM PRESSURE RATING

- 3,750 psig

MAXIMUM RECOMMENDED SUPPLY

- Lowest possible pressure consistent with application

WEIGHT & DIMENSIONS

- Outside Diameter: ~ 0.85"
- Inside Diameter: ~ 0.5"
- Length: ~ 2.3"

WETTED MATERIALS

- Machined parts: 316 stainless steel / NACE compliant
- All other metal parts: stainless steel / NACE compliant
- Sealing material: Fluoroelastomer standard

ELEMENT MAXIMUM TEMPERATURE

- 150°C for 07CFS
- 150°C for 07PF
- 232°C for 07PI
- 232°C for SS10A
- 232°C for SS100A

ELEMENT TYPES

- 07CFS = coalescer fluorocarbon (99.97%*)
- 07PI = particulate inorganic (99.97%*)
- 07PF = particulate fluorocarbon (99.97%*)
- 11PF = particulate fluorocarbon (95.0%*)
- SS10A = sintered stainless steel (10 micron)
- SS100A = sintered stainless steel (100 micron)

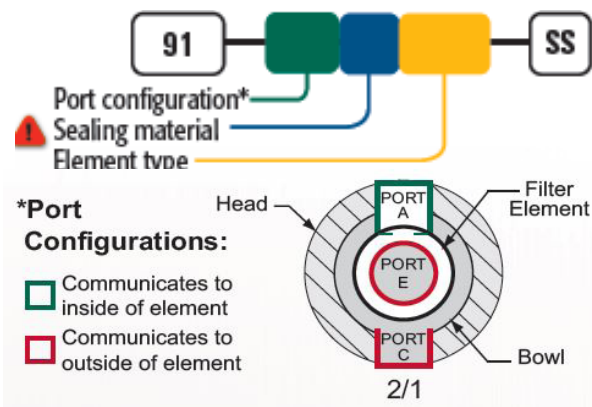
*% of 0.1 micron particles retained

PARTBUILDER

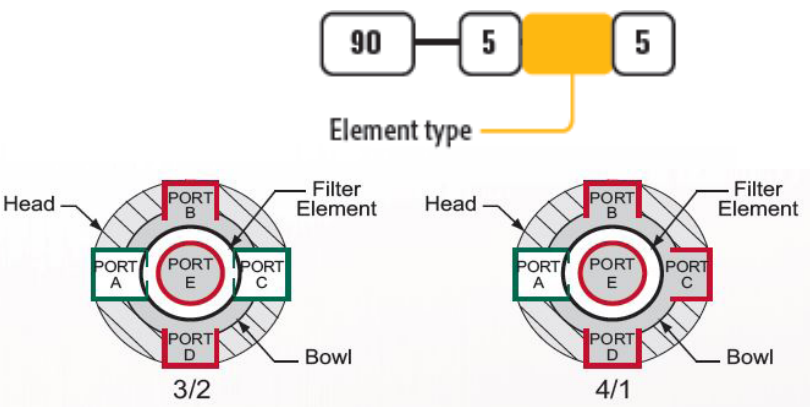
MODEL NUMBERING

Port configuration*	2/1 = 3 port (2 outer, 1 centre)	4/1 = 5 port (4 outer, 1 centre)	3/2 = 5 port (3 outer, 2 centre)
Sealing material	0 = Fluoroelastomer	1 = Perfluoroelastomer	(other materials available upon request)
Element type	07CFS = 0.1 micron coalescer fluorocarbon 07PI = 0.1 micron particulate inorganic 07PF = 0.1 micron particulate fluorocarbon 11PF = 0.1 micron particulate fluorocarbon	SS10A = 10 micron stainless steel SS100A = 100 micron stainless steel XX = no element	
Mounting bracket accessory	Vertical part # = 90-509-SS-V	Horizontal part # = 90-509-SS-H	

How to build the model number:



How to build the replacement filter element number:



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