



Avenger 33

Particulate & Coalescing Filter



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

The Avenger 30 Series Filters provide sample conditioning and analyser protection by using a disposable filter element to remove solids and liquid droplets from gas sample streams.

Large Internal Volume

The Model 33 is larger in size and internal volume, making it better suited for applications requiring higher flow rates or containing larger amounts of contaminants than the Avenger Models 38 and 38M can handle.

Installation to Suit You

The Avenger 30 Series sample filters are easy to install and maintain, especially in heated, densely populated cabinets. The uniquely designed filter housing allows service to the filter element/membrane by simply removing the bowl without disassembly of the fittings.

Optional Liquid Block

The Model 33 does not include Genie® Membrane Technology™ or Liquid Block™. If either of these features are desired, the Model 33M should be selected.

The Avenger 30 Series Filters

	Small Volume	High Volume	Liquid Block
Avenger 33		•	
Avenger 33M		•	•
Avenger 38	•		
Avenger 38M	•		•

“The uniquely designed filter housing allows service to the filter element/ membrane by simply removing the bowl without disassembly of the fittings”

KEY BENEFITS

- Analyser protection against liquid droplets and micron/ submicron size particles
- Quick and easy installation and maintenance
- Multiple porting configurations
- Continuous sampling in any process industry including natural gas, petrochemical, and oil refining

TECHNICAL SPECIFICATION

MAXIMUM PRESSURE RATING

- 1,000 psig

MAXIMUM RECOMMENDED SUPPLY

- Lowest possible pressure consistent with application

MAXIMUM TEMPERATURE

- NPT302°F (150°C) for 0.1 micron coalescer fluorocarbon element

OUTLET PRESSURE RANGE (psig)

- 0-10 (0-0.7 bar), 0-25 (0-1.7 bar), 0-50 (0-3.4 bar),
- 0-100 (0-6.9 bar), 0-250 (0-17.2 bar)

MAXIMUM PRESSURE RATING

- 3,750 psig (258 bar)

WEIGHT & DIMENSIONS

- Outside Diameter: ~ 1.4"
- Inside Diameter: ~ 1.0"
- Length: ~ 2.5"

PORT SIZES

- Inlet, Outlet, & Bypass: 1/2" female NPT
- Gauge: 1/4" female NPT
- Number of ports: 5.

WETTED MATERIALS

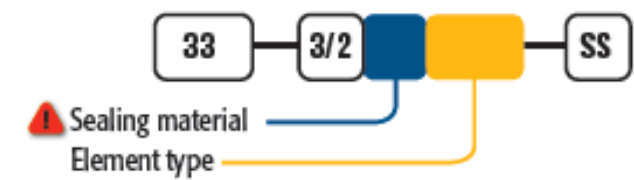
- Machined parts: 316 stainless steel / NACE compliant
- All other metal parts: stainless steel / NACE compliant
- Sealing material: Fluoroelastomer standard

PART BUILDER

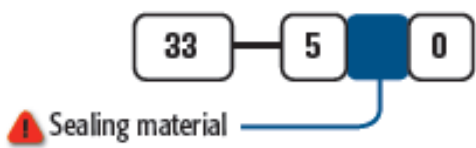
MODEL NUMBERING

Sealing material 0 = Fluoroelastomer 1 = Perfluoroelastomer (other materials available upon request)		
Element type	07CFS = 0.1 micron coalescer fluorocarbon	SS10 = 10 micron stainless steel
Mounting bracket accessory	Part # 33-509SS (sold separately)	

How to build the model number:



How to build the replacement o-ring kit number:



How to build the replacement filter element number:



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a1-cbiss Ltd, 5 Valiant Way, Lairdside
Technology Park, Tranmere, Wirral, CH41 9HS
T: +44(0)151 666 8300
F: +44(0)151 666 8329
E: sales@a1-cbiss.com
W: www.a1-cbiss.com

