

100 psi - 7 bar
Standard

50 gpm - 190 L/min

MAF1



Model No. of filter in photograph: MAF1SCB15SC7Z10S

Features and Benefits

- Sustainable Cartridge Bowl with full ported die cast aluminum head for minimal pressure drop
- Reusable, plastic bowl with disposable element cartridge
- Eliminates disposal of oil filled, metal spin-on cans in landfill
- Quality Protected design to ensure filter bowl is not operating without a filter element installed
- Offered in pipe, SAE straight thread and ISO 228 porting
- SCB thread = 1.50-16UN-2B
- Visual gauge or electrical switch dirt alarms
- Available in 7" and 10" element lengths
- Available with NPTF inlet and outlet female test ports

Filter Specifications

Flow Rating:	Up to 50 gpm (190 L/min) for 150 SUS (32cSt) fluids	
Max. Operating Pressure:	100 psi (7 bar)	
Min. Yield Pressure:	200+ psi (10 bar), per NFPA T2.6.1	
Rated Fatigue Pressure:	Contact Factory	
Temperature Range:	-20°F to 225°F (-29°C to 107°C)	
Bypass Setting:	Cracking: 30 psi (2 bar)	Full Flow: 48 psi (3 bar)
Porting Head & Cap:	Die Cast Aluminum	
Element Case:	Plastic	
MAF1 Head:	982 Grams; 2.17 lbs	
Weight of MAF1-7M:	3119.9 Grams; 6.88lbs	
Weight of MAF1-10M:	3833.2 Grams; 8.45lbs	
Element Change Clearance:	2.50" (65 mm)	

Filter Fluid Compatibility

Petroleum-Based Fluids:	Z-Media® and Anti-Static media (synthetic)
High Water Content:	All Z-Media® and Anti-Static media (synthetic)
Invert Emulsions:	10 and 25µ Z-Media® and all Anti-Static media (synthetic)
Water Glycols:	3, 5, 10, and 25µ Z-Media® and all Anti-Static media (synthetic)

Tested Against Industry Standards:

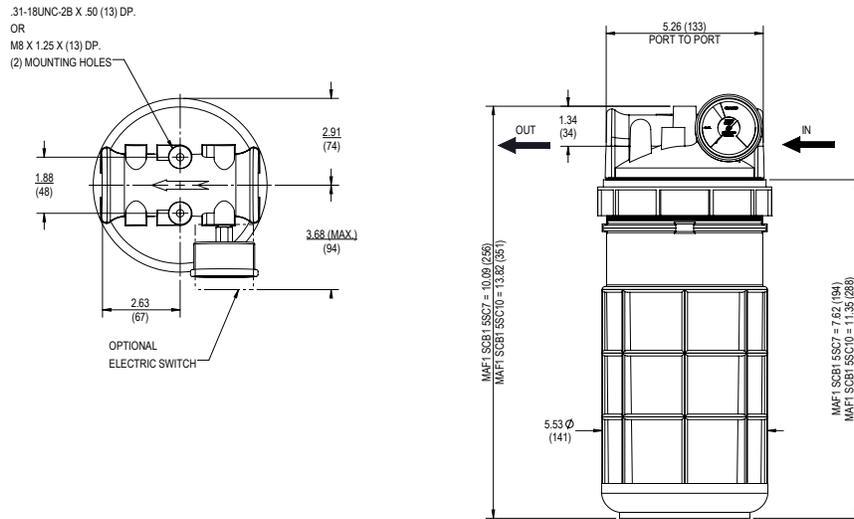
ISO 4548-14 – Cyclic Testing
 ISO 3968 – Performance Testing
 ISO 16889 – Performance Testing

BS EN 61373 – Vibration Testing
 UL 1105 Spec – Impact Testing

NFPA T2_06_01 – Static/Cyclic Testing
 ISO 4548-13 – Static Testing

MAF1 WITH SUSTAINABLE CARTRIDGE BOWL (SCB)

MAF1



Element Performance and Dirt Holding Capacity

Particulate Elements	Filtration Ratio per ISO 16889		
	DHC(g)	Using APC calibrated per ISO 11171	
		$\beta_x (c) \geq 200$	K-Factor (psid/gpm)
5SC7Z1	42	<4.0	0.41
5SC7Z3	36	5.1	0.25
5SC7Z5	40	8.2	0.17
5SC7Z10	42	11.6	0.11
5SC7Z25	50	19.7	0.09
5SC10Z1	75	<4.0	0.24
5SC10Z3	63	5.1	0.14
5SC10Z5	70	8.2	0.10
5SC10Z10	74	11.6	0.06
5SC10Z25	88	19.7	0.05

Filter Model Number Selection for MAF1:

MAF1							
Filter Series	SCB Bowl	Element	Media	Seals	Porting Options	Dirt Alarm Options	Additional Options

**Starting from the left to the right you will choose your MAF1 and work your way through each category as illustrated above.

***For element replacement, model number is constructed using boxes 3-5

Filter Series	SCB Bowl	Element	
<input type="checkbox"/> MAF1	<input type="checkbox"/> SCB1	<input type="checkbox"/> 5SC7 = 7" Length	<input type="checkbox"/> 5SC10 = 10" Length
Media		Seals	Porting Options
<input type="checkbox"/> Z1 = 1 μ Synthetic	<input type="checkbox"/> Z10 = 10 μ Synthetic	<input type="checkbox"/> Omit = Buna	<input type="checkbox"/> P = 1-1/4" NPTF
<input type="checkbox"/> Z3 = 3 μ Synthetic	<input type="checkbox"/> Z25 = 25 μ Synthetic	<input type="checkbox"/> V = Viton	<input type="checkbox"/> S = SAE-20
<input type="checkbox"/> Z5 = 5 μ Synthetic			<input type="checkbox"/> B = ISO 228 G-1-1/4"
Dirt Alarm Options		Additional Options	
<input type="checkbox"/> Omit = None		<input type="checkbox"/> Omit = None	
<input type="checkbox"/> Y2 = Visual Back-mounted tri-color gauge		<input type="checkbox"/> L = Two 1/2" NPTF inlet and outlet female test ports	
<input type="checkbox"/> E5 = Electrical switch			