



SCA Series Sterile Compressed Air

SCA sterile air filter elements have been developed for high-efficiency sterile filtration of compressed air, process air and technical gases. The borosilicate glass microfiber depth element assures removal of sub-micron particles down to 0.01 micron. Featuring stainless steel end caps, interior and exterior support.



MICROBIOLOGICAL EFFICIENCY

Brevundimonas diminuta	>99.99999999%
MS-2 Coliphage	>99.99999999%

TECHNICAL SPECIFICATIONS

Operating Pressure	0 - 16 barg / 0 - 232 psi
Differential Pressure	80 mbar / 1.16 psi
Differential Pressure (wet)	190 mbar / 2.76 psi
Particle Retention	99.9999% @ 0.01 micron
Flow Direction	Inside to Outside
Operating Temperature	-20 - 150 deg C / -4 - 302 deg F

- * Manufactured without use of binders or other chemical additives
- * 100% Integrity Tested
- * All components meet the FDA requirements for contact with food in accordance with CFR, Title 21

MATERIALS

Filter Media	Borosilicate Micro Fibers
Support Media	NOMEX
Element Support	1.4301 Stainless Steel
End Caps	1.4301 Stainless Steel
Bonding	Silicone
Sealing	Silicone

Model	Diameter	Height	Flow Capacity SCFM	Fits into Housing
210	1.65	2.4	27 - 40	
310	1.65	3	35 - 53	0006
410	1.65	4	53 - 71	0009
420	2.05	4	71 - 106	0012
520	2.05	5	106 - 159	0018
525	2.44	5	159 - 212	0027
530	3.38	5	126 - 189	0036
725	2.44	7	212 - 282	0032
730	3.38	7	282 - 423	0048
1030	3.38	10	423 - 635	0078
1530	3.38	15	635 - 847	0108
2030	3.38	20	847 - 1129	0144
3030	3.38	30	1129 - 1693	0192
3050	5.5	30	1693 - 2540	0288

STERILIZATION

121 Deg C / 250 Deg F (100 Cycles)	Sterilize 30 min, Heating and Cooling 30 min
132 Deg C / 270 Deg F (100 Cycles)	Sterilize 20 min, Heating and Cooling 40 min
143 Deg C / 290 Deg F (100 Cycles)	Sterilize 10 min, Heating and Cooling 50 min