



Atlas Copco



ASC
sintered carbon
block filters

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Product description

Introduction

ASC filters provide long service life for chlorine reduction from water compared with industry standard carbon block filters. The unique sintered block uses low binder content for greater active surface area of the filter, constructed with both granular and powdered carbon during the sintering process to form the block cartridge. An outer spun bonded PP pre-filter protects the media and maximizes service life.

Devices

ASC filters are available in a wide range of scalable high flow cartridges that allow for fast and easy scale-up of your production. From laboratory-scale filters to production scale assemblies, all filters incorporate the same media and identical materials of construction, eliminating the need to requalify filter units as processes are scaled up.

Compatibility

The ASC filter series are made from a multi layer carbon impregnated felt media using a polyester substrate. This minimizes the risk of microbiological contamination and due to its broader compatibility, can be used in a wide range of chemical applications.

Documentation

ASC filters are designed, developed and manufactured in accordance with a ISO 9001 certified Quality Management System.

All the materials used comply with the European Union Regulation (EC) No. 1935/2004 as well as the Regulation (EU) No. 10/2011. concerning plastic materials and articles intended to come into contact with foodstuffs. These guidelines for plastics allow the use in food and beverage applications. All materials used meet the requirements of the CFR Title 21.



Key features

- Graded density pre-filtration layer
- Reduced binder content for larger active carbon surface area
- Sintered using GAC and powdered carbon

Applications

Thanks to its chemical compatibility ASC series filters are widely used in Food & Beverage, Pharmaceutical, Cosmetics and Chemical Industries.

- Ozone level reduction
- Plating bath organics reduction
- Small scale chlorine, odor and TOC reduction
- Color reduction in solvents



Technical data

Micron ratings (µm)

5 µm

Cartridge length

10"/20"/30"/40"

Cartridge diameter

2.61"

Material of construction

Filter media	Coconut based carbon, PP melt blown outer
Core	Polypropylene
End caps	Polypropylene
Seal	Silicone, Viton, EPDM

Maximum operating temperature

176°F

Maximum differential pressure forward (cartridges)

58 PSI @68°F

Recommended changeout differential pressure

36 PSI @68°F

Regulatory compliance

Indirect food additive

The product complies with food contact regulation 21 CFR §177 - 182 and (EC) No 1935/2004 and subsequent amendments

Quality assurance

For each filter cartridge an electronic Certificate of Conformity is available, detailing relevant information and product approvals against the specific batch number and part number for the filter. The filter cartridges are manufactured in a controlled environment.

Product purity

All ASC series cartridges are free of surfactants, anti static agents and adhesives.

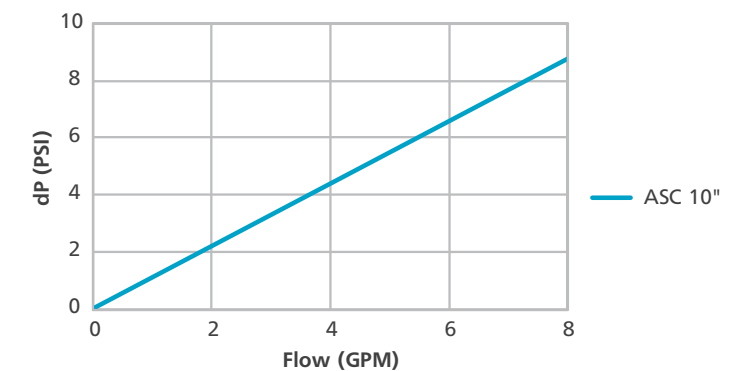
Chlorine reduction capacity

>29719 gallons based on a >96% reduction of 2ppm free chlorine at 1 gallon/min flow rate

Maximum flow rater per 10" cartridge

3.96 GPM

Flow rate



Note: 10" cartridge tested with water @68°F, 1.005 cP (typical flow rate)

Protecting process, products and people

Atlas Copco's process filters optimize your productivity while protecting your process, product and consumers. Our portfolio of cartridges and housings covers all your filtration needs. The products are made from proven, high quality materials from reputable suppliers and manufactured in a controlled environment subjected to strict QA/QC procedures.

Product configuration

Cartridges

Series	Rating (µm)	Length	End cap	Seal
ASC	5	10"	C2 (2x226 O-ring + 2 tabs/flat)	S (Silicone)
		20"	C3 (2x222 O-ring/flat)	E (EPDM)
		30"	C7 (2x226 O-ring + 2 tabs/fin)	V (Viton)
		40"	C8 (2x222 O-ring/fin)	
			C28 (2x222 O-ring + 3 tabs/fin)	
			DOE (flat + gasket/flat + gasket)	

Example: ASC 5µm 20" C7 S



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