

ASC/ARC active carbon filters

Reduction of chlorine, odor, color and trace organics in valuable liquids

ASC filters provide extremely reliable and efficient reduction in heavy-duty and highly critical applications. It has an extended service life thanks to its high surface area and durable materials. Its filter media consist of a sintered high purity carbon block with spun bonded PP pre-filter integrated into a robust cage with reinforced end cap.

ARC filters provide reliable and economic filtration in medium-duty, semi-critical applications. Its filter media consist of multilayers of impregnated activated carbon polyester felt with spun bonded PP pre-filter integrated into a robust cage with reinforced end cap.



Key features:

- Large carbon surface area
- Wide chemical compatibility
- No fluidization, channeling or bypass
- Reinforced end cap

Applications:

- Color reduction in bottled water
- Removal of VOC's from water
- Plating bath organic reduction
- Reduction of ozone

Quality first:

- Manufacturing acc. ISO 9001 in a controlled environment
- Comply with EU Regulation No. 1935/2004
- Materials used meet FDA title 21 and USP Class VI
- Batch traceability

Protecting process, products and people

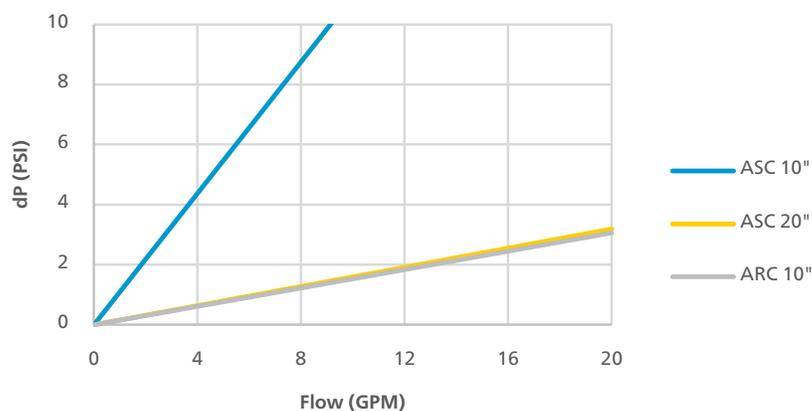
Atlas Copco's process filters optimize your productivity while protecting your process, product and consumers. Our portfolio of cartridges and housings covers all your filtration needs. The products are made from proven, high quality materials from reputable suppliers and manufactured in a controlled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



Product specifications

Materials of construction	
Filter media	ASC: Sintered active carbon block ARC: Multilayer active carbon impregnated polyester felt
Pre-filter layer	Spun-bonded polypropylene (5 µm)
End caps	Polypropylene (reinforced)
Dimensions	
Diameter	2.62"
Inside diameter	1.06"
Operating conditions	
Max. temperature	176°F
Recommended change out differential pressure	36 PSI
SIP/CIP	
Steam sterilization	≤ 20 cycles @ 250°F for 15 minutes
Hot water sanitization	194°F for 30 minutes @ dP 2.9 PSI

Flow rate



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

Chlorine reduction capacity

Cartridge type	Flow rate	Chlorine reduction capacity
ASC	1 US GPM	> 19812 gallons
ARC	1 US GPM	> 528 gallons

Note: Based on challenging a 10" filter with water containing 3.0 ppm of free chlorine

Product configuration

Series	Housing Style	Pressure PSIG	Housing Material	Gasket Material
ASC	5 µm	10" (249 mm)	C2 = 2 x 226 O-ring + 2 tabs/Flat	S = Silicone
ARC		20"	C3 = 2 x 222 O-ring/Flat	E = EPDM
		30"	C7 = 2 x 226 O-ring + 2 tabs/Fin	V = Viton
		40"	C8 = 2 x 222 O-ring/Fin	
			C28 = 2 x 222 O-ring + 3 tabs/Fin	
			DOE = Flat + gasket/Flat + gasket	
			N = None	

Example: ARC 5 µm 20" C28 S

