

ARS-CA

active carbon adsorption

ARS-CA filtering elements are manufactured to remove oil mist and organic particles from compressed air and gas to avoid disagreeable odor in the manufacturing process.

- High odor adsorption efficiency
- No carbon particles release
- Easy maintenance
- Stainless steel metal parts
- O ring for radial sealing



ARS-CA filtering elements are manufactured with active carbon impregnated materials. This filtering elements remove the contaminants using the adsorption physical law; the contaminants' particles are highly attracted by the active carbon particles. This product is highly recommended in food, textile and electronic industries where mist removal is essential in the manufacturing process. The service life of the filter elements varies according to the operative conditions of the production process itself. Due to the fact that liquid reduce the adsorption effects, this filter elements must be protected with high efficiency coalescer such as the RA grade.

Filtration grade and characteristics

Description	CA
Filtration grade	0,003 mg/m ³ after grade RA
Design temperature	80 °C
Operating temperature	min. 1°C / max. 60° C
ΔP new filter	< 140 mbar
ΔP wet filter	N/A
Max. differential pressure	3 bar
Flow direction	Inside / Outside
Media arrangement	Wrapped
Filter element replacement	600 hours (value as per operating conditions)
Housing	serie AIR-VIP model CDF

Materials

Description	Materials
End caps	Tecnopolymer
Internal core	INOX
External cage	INOX
Filter media	Inorganic fibers active carbon impregnated
Antientrainment barrier	Polyester
Standard gaskets	Buna N

Selection table

Model	Grade	Filtering area	Flow rate *		Dimensions mm			
		cm ²	Nm ³ /h	NI/min	Design	A	B	C
ARS-30	CA	120	48	1000	fig1	75	26	45
ARS-100		290	102	1700		165	26	45
ARS-180		770	180	3000		169	42	59
ARS-290		1270	288	4800		269	42	59
ARS-460		1700	450	7500		270	58	71
ARS-610		2300	600	10000		370	58	71
ARS-930		3200	864	14400		373	82	82
ARS-1050		4800	1020	17000		473	82	82
ARS-1250		6800	1200	20000		700	82	82

* Flow rate are referred to air at compressor intake conditions (1 bar abs. @ 20°C) and compressed at 7 barg

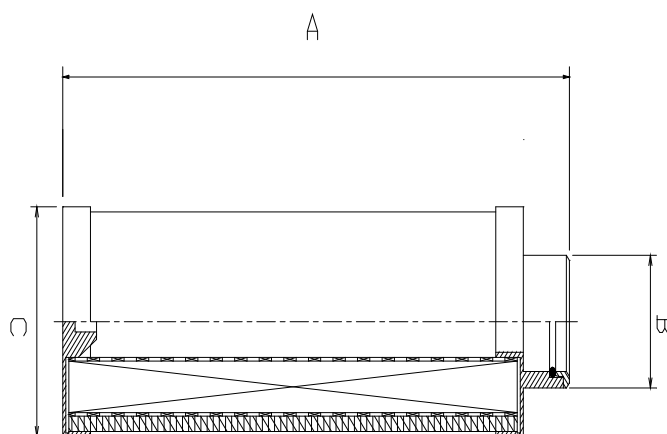


Fig.1

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User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.