

ARS-RF solid particles removal

ARS-RF filtering elements are manufactured to remove solid particles from compressed air and gas.

- High separation efficiency
- Low pressure drops, Energy saving
- Stainless steel metal parts
- O ring for radial sealing



ARS-RF filtering media removes solid particles smaller up to 1 micron with 99.9% efficiency.

To guarantee high performance together with an increased mechanical resistance the filtering media is supported by a metal wire net.

The ARS-RF filter elements are used after adsorption dryers to remove dusts coming from the adsorption materials itself (alumina, silica gel molecular sieves).

The pleated filtering media enhance the filtering area, lowering the pressure drops and providing a longer service life.

These filter elements provide a quality of the compressed air compliant to ISO 8573-1-2010 directive.

Filtration grade and characteristics

Description	RF
Filtration grade	1micron
Filtration efficiency	99,9 %
Design temperature	120 °C
Operating temperature	min. 1°C / max. 100° C
ΔP new filter	< 60 mbar
ΔP wet filter	< 150 mbar
Max. differential pressure	3 bar
Flow Direction	Outside / Inside
Filter media	Pleated
Filter change	12 months or $\Delta P > 500$ mbar
Housing	serie AIR-VIP model CDF

Materials

Description	Materials
End caps	Tecnopolimer
Internal core	Inox
External cage	Inox
Filter media	Borosilicate microfiber + metal wire net
Bonding	Polyurethane
Standard gaskets	Silicone

Selection table

Model	Grade	Filtering area	Flow rate *		Dimensions mm			
		cm ²	Nm ³ /h	NI/min	Design	A	B	C
ARS-100	RF	200	120	2000	fig1	165	26	45
ARS-180		850	220	3666		169	42	59
ARS-290		1400	330	5500		269	42	59
ARS-460		1900	500	8333		270	58	71
ARS-610		2600	680	11333		370	58	71
ARS-930		3100	1000	16666		373	82	82
ARS-1050		3900	1200	20000		473	82	82
ARS-1250		5800	1500	25000		700	82	82

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

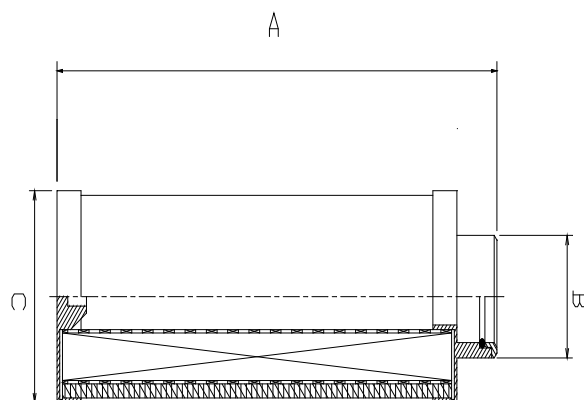


Fig.1

DS-ARS-630-EN-20

Data contained in this bulletin are informative and subject to change without notice.
User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.