ARS-RM
gas and air pre filters

ARS-RM filtering elements are manufactured to remove solid particles, mist and liquid from compressed air and gas.

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

The contaminants flows through the filtering element from inside to outside. The solid particles are retained inside the filtering media while the liquid particles growing from the coalescing effects falls by gravity in the lower side of the housing.
The ARS-RM pre filter is placed after the compressor to protect the refrigeration dryers or any other filtration equipments.
The pleated filtering media enhance the filtering area, lowering the pressure drops and providing a longer service life.
These filter elements provides a quality of the compressed air compliant to ISO 8573-1-2010 directive.

Filtration grade and characteristics

Description	RM
Filtration grade	10 micron
Filtration efficiency	99 %
Design temperature	120 °C
Operating temperature	min. 1°C / max. 60° C
ΔP new filter	60 mbar max
ΔP wet filter	150 mbar
Max. differential pressure	3 bar
Flow Direction	Inside / Outside
Media arrangement	Pleated
Filtering element replacement	12 months or pressure drop > di 500 mbar
Contenitori predisposti per l'installazione	serie AIR-VIP model CDF

ARS-RM

prefilter filter elements

Materials

Description	Materials
End caps	Tecnopolymer — (INOX ARS 1400)
Internal core	INOX
External cage	INOX
Media	Cellulose resin impregnated
Bonding	Polyurethane
Standard gaskets	Buna N

Selection table

Model	Grade	Filtering area	Flow rate *		Dimensions mm			
		cm^2	Nm^3/h	Nl/min	Design	A	B	C
ARS-30		330	60	1000		75	26	45
ARS-100		940	120	2000		165	26	45
ARS-180		1450	220	3666		169	42	59
ARS-290		2490	330	5500		269	42	59
ARS-460		3140	500	8333	fig1	270	58	71
ARS-610	**RM**	4460	680	11333		370	58	71
ARS-930		5880	1000	16666		373	82	82
ARS-1050		7800	1200	20000		473	82	82
ARS-1250		11200	1500	25000		700	82	82
ARS-1400		9000	1620	27000	fig2	350	120	80
ARS-2300		21800	2300	38333	fig1	715	98	115

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

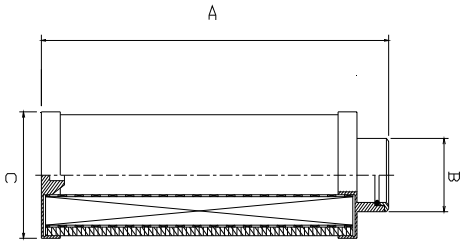

Fig.1

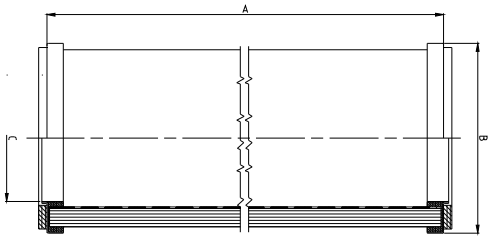

Fig.2

DS-ARS-627-UK-14

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.

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