

## FINCELL-RF particulate filter elements for gas

**FINCELL-RF** filter elements are recommended for solid contaminants removal from air and dry compressed gas.

- Self extinguishing materials
- High efficiency in particle removal
- Low pressure drop (Energy Saving)
- Pleated media
- External metallic protection



**FINCELL-RF** filter elements remove solid particles down to 0,1 micron with efficiency of 99,5 % on dry gas .

Borosilicate filtering media is supported by a metallic mesh which gives great strength during the filtration process. The pleated arrangement provides enhanced filtering area; the resulting lower pressure drop provides longer service life.

FinCell-RF are made with heat resistant materials; typical application is downstream the adsorption dryers with hot regeneration.

The performance of filter elements FINCELL-RF is tested in accordance with ISO 12500-3.

### Features

Description	Filtration grade: RF
Filtration grade on gas:	0,1 micron @ 99,5% ÷ 1 micron @ 99,9999 %
Air purity class ISO-8573-1 : 2010:	solid particles—Class 1
Operating temperature:	min. 1°C / max. 110° C
Dp @ new filter: *	80 mbar max.
Dp for filter change:	0,5 ÷ 0,7 bar
Max. differential pressure:	3 bar
Flow direction:	outside / inside
Media arrangement:	pleated

\* Referred to Nominal Flow rate.

### Materials

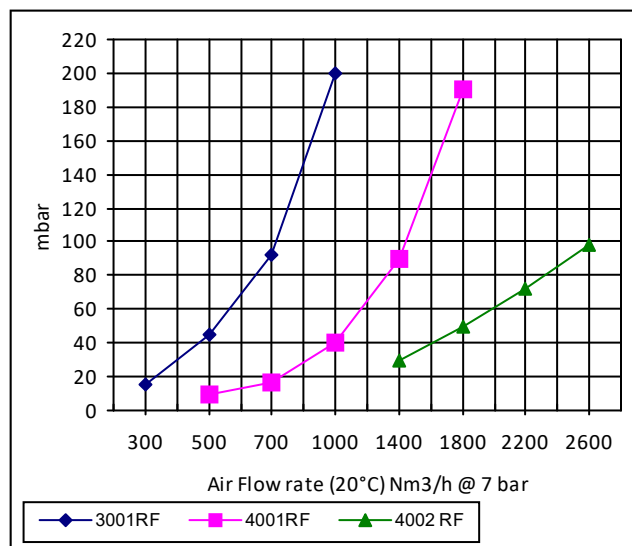
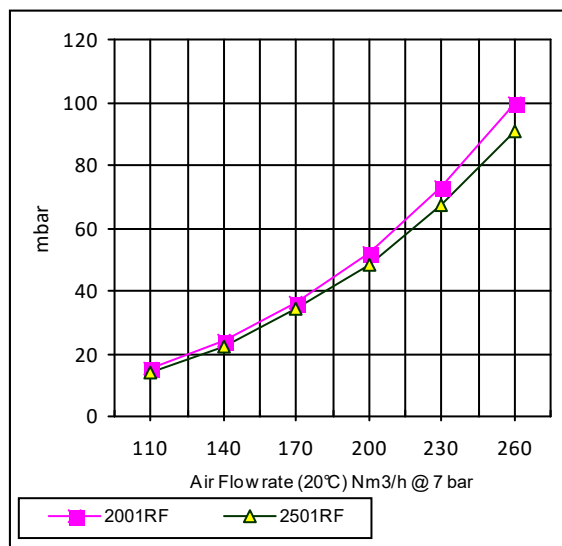
Description	Types		
	FCY-2501	FCR (standard)	FCC <sup>1</sup>
End caps	Tecnopolymer	Stainless Steel AISI 430	Stainless Steel AISI 316 L
Core	Stainless Steel AISI 430		
Cage			
Media	Borosilicate fiber + metallic mesh		
Standard gaskets	Silicone		
Gaskets on request	B=Buna N ; V=Viton ; T=Teflon		

<sup>1</sup> Valid only for size 4001/4002

### Selection table

Model	Filtering Area	* Flow rate Nm <sup>3</sup> /h		Dimensions mm		
	cm <sup>2</sup>	nominal	max	Outside dia.	Inside dia.	Length
<b>FCR-2001-RF</b>	2.000	230	260	70	26	250
<b>FCY-2501-RF</b>	2.150	240	270	70	36	250
<b>FCR-3001-RF</b>	3.900	650	900	92	52	350
<b>FCR-4001-RF</b>	5.200	1.500	1.700	120	80	350
<b>FCR-4002-RF</b>	10.500	2.200	2.600	120	80	700

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



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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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