

FINCELL series FS gas treatment in food applications

FINCELL FS filter elements are specifically designed for solid contaminants removal present in compressed air and technical gases used in food applications.

- Materials meet FDA requirements
- High particle removal efficiency
- High effective filtering area
- Low pressure drops, energy saving
- External protection in stainless steel



FINCELL FS filter elements are available with two filtering grades and are used in food & beverage industries for applications which foreseen direct or indirect food contact.

The pleated filter structure gives high filtering area which allows low pressure drops and long operating life.

Where it is required bacterial removal, FINCELL FS is the recommend pre-filter of STERYFLON filter elements.

Filtration grades and characteristics

Description	DF	DC
Filtration grade	1 micron @ 99,9 %	0,1 micron @ 99,9998 %
Max. Temperature	min. 1°C / max. 80° C	
Pressure drop new filter *	90 mbar	
Pressure drop filter change out	0,5 ÷ 0,7 bar	
Max. differential pressure	3 bar	
Flow direction	External/ Internal	
Filter media configuration	Pleated	

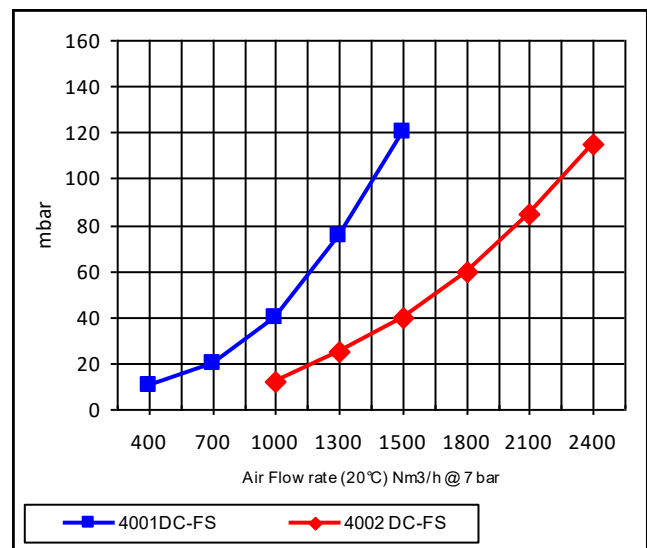
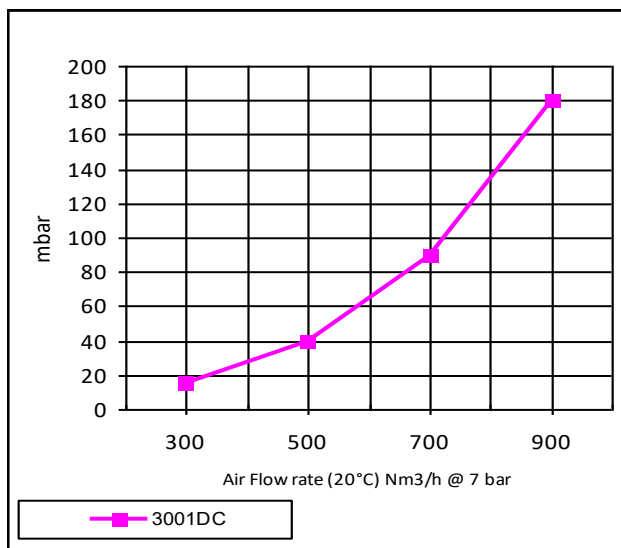
* Referred to the nominal flow rate

Description	Materials
End caps	Stainless steel
Core	
Cage	
Filter media	Borosilicate microfiber & poliester
Glue	Silicone
Gasket	Silicone

Selection table

Model	Filtration area	* Flow rate m ³ /h		Nominal dimensions mm		
	cm ²	nominal	max	OD	ID	Length
FCR-3001-DF-FS FCR-3001-DC-FS	3.900	700	900	92	52	350
FCR-4001-DF-FS FCR-4001-DC-FS	5.200	1.300	1.500	120	80	350
FCR-4002-DF-FS FCR-4002-DC-FS	10.400	2.200	2.300	120	80	700

* Flow rate is relative to air at the compressor suction condition, 1 bar absolute 20 °C and then compressed at 7 barg



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.