

Melt Blown FRN



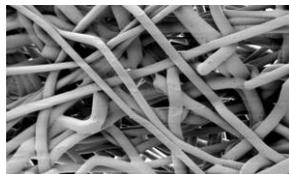
i DESCRIPTION

Our depth cartridges FR-N Series are designed to obtain a high efficiency and filtration of various liquids having impurity. Using only 100% pure polypropylene they are manufactured through state of the art technology. They are generally used in applications that require extremely high quality filtration. During the manufacturing process, the polypropylene is mixed with compressed hot air. Then it is stratified on a rigid polypropylene core through a continuous and constant rotating movement. This process infuses and intersects the polypropylene fibres amongst themselves. This creates the so called "Depth Cartridge" guaranteeing a uniform filtration along all the surface of the cartridge. The Polypropylene fibres used are always and only of first choice which processed at high temperatures welds them together eliminating any possibility of losing particles or residuals. The range vary from 1 to 90 micron and standard lengths are 9"3/4 to 40". The cartridges are made up as one whole piece no matter what length. The FR-N Cartridges are fully tested to achieve at least 95% filtration efficiency. This means that a 10 micron FR-N Cartridge will filter 95% of particles having a diameter of 10 micron or more. The extraordinary filtration capability of the FR-N cartridges is obtained thanks to its wide filtering surface and compactness which is distributed along all the surface of the cartridge itself. The cartridges need to be changed when a loss in pressure drop is

- High depth filtration;
- Constant filtration on all surface;
- High yield;
- High resistance to compression thanks to inner core
- High stability;
- Lower pressure drop;
- No residual or particle loss.

g TECHNICAL FEATURES

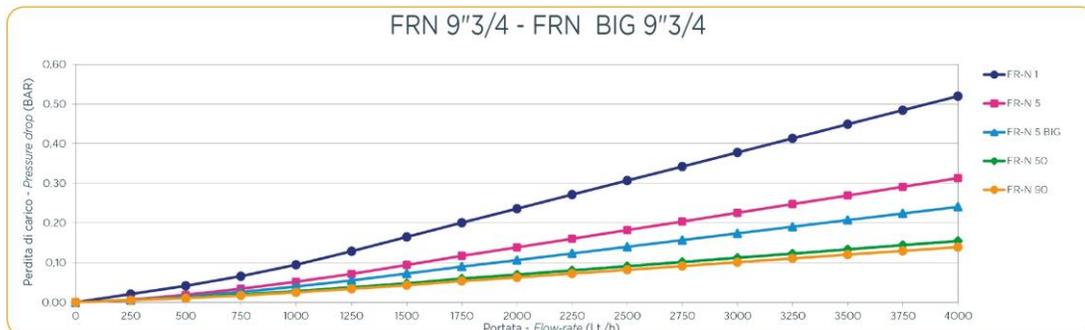
Characteristic	FR-N	FR-N MINI	FR-N MICRO	FR-N BIG	FR-N BIG (dual)
Raw material	100% PP	100% PP	100% PP	100% PP	100% PP
Core	100% PP	-	-	100% PP	100% PP
Outer cage	-	-	-	-	-
End caps	DOE	DOE	DOE	DOE	DOE
O-Ring/Gasket	-	-	-	-	-
Length (a)	5"-9 3/4"-10"-20"-30"-40"	100mm	53mm	9 3/4"-20"-30"	9 3/4"-20"-30"
Inner diameter (b)mm	28	18	18	28	28-38
Outer diameter (c)mm	63	25	25	110	115
Micron rating	1/3/5/10/20/30/50/90	1/5/20	1/5/20	01/5/20/50	1-10/5-20/20-50
Efficiency	95%	295%	395%	95%	95%
Max working pressure	8 BAR	10 BAR	11 BAR	8 BAR	8 BAR
Max differential pressure	0,8 BAR	0,8 BAR	0,8 BAR	0,8 BAR	0,8 BAR
Max working temperature	50°C	50°C	50°C	50°C	50°C



Internal structure of the cartridge (100 µm)



FRN 9"3/4 - FRN BIG 9"3/4



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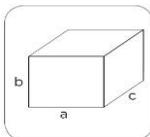


MELT BLOWN CARTRIDGES series FR-N

Code	Length inches	Micron	Flow Rate l/hr	Box Qty	Price	B		
A4240090	5	1	500	60	£3.91			
A4240100		3	600		£3.91			
A4240110		5	750		£3.55			
A4240120		10	1000		£3.55			
A4240130		20	1100		£3.55			
A4240140		30	1250		£3.55			
A4240150	9%	50	1400	60	£3.35			
A4240160		90	1500		£3.35			
A4240250		1	1000		£6.04			
A4240260		3	1300		£6.04			
A4240270		5	1600		£5.46			
A4240280		10	2000		£5.46			
A4240290	10	20	2500	60	£5.46			
A4240300		30	2600		£5.46			
A4240310		50	2800		£5.25			
A4240320		90	3000		£5.25			
A4240330		1	1000		£6.04			
A4240340		3	1300		£6.04			
A4240350	20	5	1600	60	£5.46			
A4240360		10	2000		£5.46			
A4240370		20	2500		£5.46			
A4240380		30	2600		£5.46			
A4240390		50	2800		£5.25			
A4240400		90	3000		£5.25			
A4240410	30	1	1800	30	£12.09			
A4240420		3	2200		£12.09			
A4240430		5	2800		£10.95			
A4240440		10	3600		£10.95			
A4240450		20	4300		£10.95			
A4240460		30	4500		£10.95			
A4240470	40	50	4800	15	£10.50			
A4240480		90	5200		£10.50			
A4240490		1	2700		£18.13			
A4240500		3	3200		£18.13			
A4240510		5	4300		£16.41			
A4240520		10	5400		£16.41			
A4240530	30	20	6400	15	£16.41			
A4240540		30	6800		£16.41			
A4240550		50	7300		£15.80			
A4240560		90	7800		£15.80			
A4240570		40	1		3500	15	£24.15	
A4240580			3		4200		£24.15	
A4240590	5		5400	£21.88				
A4240600	10		6900	£21.88				
A4240610	20		6300	£21.88				
A4240620	30		8500	£21.88				
A4240630	40	50	9500	15	£20.93			
A4240640		90	9800		£20.93			

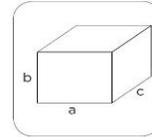
DIMENSIONS

Length inches	Box Dimensions axbxc mm	Box Wt kg
5	330X540X210	5.00
9%	330X1040X210	9.50
10	330X1040X211	10.50
20	330X1040X212	10.00
30	330X800X210	9.50
40	330X1040X210	11.50



DIMENSIONS

Length inches	Box Dimensions axbxc mm	Box Wt kg
MINI	340X290X4000	4.5
MICRO	340X290X4000	2.5



MELT BLOWN CARTRIDGES series FR-N AQUA MINI and MICRO

Code	Length inches	Micron	Flow Rate l/hr	Box Qty	Price	B
A424M010	MINI	1	150	500	£3.44	
A424M020		5	200		£3.31	
A424M030		20	250		£3.31	
A424M040	MICRO	1	150	400	£2.40	
A424M050		5	200		£2.18	
A424M060		20	250		£2.18	

MELT BLOWN CARTRIDGES series FR-N AQUA AQUA BIG/DUAL GRADE

Code	Length inches	Micron	Flow Rate l/hr	Box Qty	Price	B
A4270100	9" 3/4 BSE	1	1200	8	£21.66	
A4270120		5	1900		£21.27	
A4270140		20	3000		£19.38	
A4270150	20" BSE	50	3300	4	£19.19	
A4270110		1	2200		£43.32	
A4270200		5	3300		£42.50	
A4270220	9" 3/4 BSN	20	5100	8	£38.77	
A4270230		50	5700		£38.38	
A427010E		1-10	1600		£24.74	
A427012E	20" BSN	5-20	2000	4	£20.96	
A427014E		20-50	3000		£19.31	
A427011E		1-10	2500		£49.79	
A427020E	30" BSN	5-20	3300	4	£48.88	
A427022E		20-50	5200		£45.03	
A427009S		1-10	3500		£91.42	
A427005S	30" BSN	5-20	4500	4	£81.80	
A427006S		20-50	7500		£72.19	

DIMENSIONS

Length inches	Box Dimensions axbxc mm	Box Wt kg
9" 3/4 BSE	260X530X260	5.00
20" BSE	260X530X260	4.50
9" 3/4 BSN	260X530X260	5.00
20" BSN	260X530X260	5.00
30" BSN	260X800X260	7.00

