



# TECHNICAL SHEET

## PENTAIR FRESHPOINT DRINKING WATER FILTRATION SYSTEMS





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## PENTAIR FRESHPOINT



F1000-DFB    F1000-B1B    F2000-B2M



F3000-B2M

## TECHNICAL CHARACTERISTICS

- Temperature range : 4,4 - 37,8°C
- Pressure range : 2,75 - 6,89 bar
- Service flow rate @4,1 bar :
  - Model F1000-DFB : 2,83 Lpm
  - Other models : 2,27 Lpm
- Rated service life :
  - F1000 : 2839 L
  - Other ranges : 2555 L
- Dimensions (mm) :
  - F1000 : 311H x 90L x 122D
  - F2000 : 317H x 203L x 133D
  - F3000 : 317H x 285L x 133D
- Weight :
  - F1000-DFB : 0,72 kg
  - F1000-B1B : 0,81 kg
  - Other models : 2 kg

## FRESHPOINT DESCRIPTION

RANGE	MODEL	DESCRIPTION	FILTRATION TECHNOLOGY USED	PROBLEM SOLVED
F1000	F1000-DFB	1 stage filter basic	Diamond flow (cartridge FDF1-RC)	CTO*
	F1000-B1B	1 stage filter plus	Carbon block (cartridge F1B1-RC)	CTO*, chemcals, cysts
F2000	F2000-B2B	2 stage filter	Carbon blocks (cartridge F2B1-RC & F2B2-RC )	CTO*, chemicals including VOC**, cysts
	F2000-B2M	2 stage filter with timer		
F3000	F3000-B2B	3 stage filter	Meltblown (cartridge F1S5-RC), carbon blocks (cartridges F2B1-RC & F2B2-RC)	High level of sediments, CTO*, chemicals including VOC**, cysts
	F3000-B2M	3 stage filter with timer		

\*CTO = Chlorine Taste and Odor

\*\*VOC = Volatile Organic Compounds = solvents, industrial cleansers



## PERFORMANCE CHARACTERISTICS MODEL F1000-DFB

Substance	Influent challenge concentration	Reduction requirements	Average reduction
<b>Standard 42</b>			
Chlorine taste & odor	2,0 mg/L ± 10 %	≥ 50 %	88,8 %

**NOTE:** Flow rate = 2,8 Lpm; capacity = 2'839 L or 12 months

Testing was performed under standard laboratory conditions, actual performance may vary.

**NOTE:** This system has been tested according to NSF/ANSI 42 for reduction of the substances listed above. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water exiting the system, as specified in NSF/ANSI 42.



The model F1000-DFB is tested and certified by NSF International against NSF/ANSI Standard 42 for the reduction of substances specified on the performance data sheet.

## PERFORMANCE CHARACTERISTICS OTHER MODELS

Substance	Influent challenge concentration	Max. permissible product water concentration	Reduction requirements	Minimum reduction	Average reduction
<b>Standard 42</b>					
Chlorine taste & odore	2,0 mg/L ± 10 %	N/A	≥ 50 %	N/A	95,9 %
Particulates (0,5 - < 1 µm) class 1*	At least 10 000 particulates/mL	N/A	> 85 %	N/A	97,9 %
<b>Standard 53</b>					
Cysts**	Minimum 50'000/L	N/A	99,95 %	99,97 %	99,99 %
Atrazine	0,009 mg/L ± 10 %	0,003 mg/L	N/A	90,5 %	93,7 %
Lead (pH 6,5)	0,15 mg/L ± 10 %	0,010 mg/L	N/A	99,3 %	99,9 %
Lead (pH 8,5)	0,15 mg/L ± 10 %	0,010 mg/L	N/A	99,3 %	99,6 %
Lindane	0,002 mg/L ± 10 %	0,0002 mg/L	N/A	94,8 %	97,4 %
For F2000/F3000: chloroform (VOC surrogate chemical)	0,300 mg/L ± 10 %	N/A	N/A	96,5 %	98,8 %

**NOTE :**

Model : F1000-B1B: flow rate = 2,2 Lpm; capacity = 2'839 L or 12 months

Model : F2000-B2B/F2000-B2M: flow rate = 2,2 Lpm; capacity = 2'555 L or 12 months

Model : F3000-B2B/F3000-B2M: flow rate = 2,2 Lpm; capacity = 2'555 L or 12 months

Testing was performed under standard laboratory conditions, actual performance may vary.

\* Reduces particles as small as 0,5-1 micron in size by mechanical means

\*\* NSF/ANSI Standard 53 certified to reduce cysts such as Cryptosporidium and Giardia by mechanical means.

**NOTE :** systems have been tested according to NSF/ANSI 42 and 53 for reduction of the substances listed above. The concentration of the indicated substances in water entering systems was reduced to a concentration less than or equal to the permissible limit for water exiting systems, as specified in NSF/ANSI 42 and 53.



The model F1000-DFB is tested and certified by NSF International against NSF/ANSI Standard 42 for the reduction of substances specified on the performance data sheet.

