

TECHNICAL SHEET

PENTAIR FRESHPOINT DRINKING WATER FILTRATION SYSTEMS



TECHNICAL SHEET



PENTAIR FRESHPOINT

TECHNICAL CHARACTERISTICS

- Temperature range : 4,4 - 37,8°C
- Pressure range : 2,75 - 6,89 bar
- Service flow rate at 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



F1000-B1B



F3000-B2M



F2000-B2M



F2B2-RC

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*, chemicals, 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 |
|-----------------------|----------------------------------|------------------------|-------------------|
| Standard 42 | | | |
| 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 |
|------------------------------------------------------------|----------------------------------|----------------------------------------------|------------------------|-------------------|-------------------|
| Standard 42 | | | | | |
| 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 % |
| Standard 53 | | | | | |
| 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 and 53 for the reduction of substances specified on the performance data sheet.

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