

# Performance Data Sheet

Model: DP290-M

Use Replacement Cartridge(s): HF90 (Qty 2 cartridges)

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 leaving the system as specified in NSF/ANSI Standard 42 and Standard 53.



System tested and certified by NSF International against NSF/ANSI Standard 42 and Standard 53 for the reduction of substances as listed below according to Standard 42 and Standard 53.

Capacity: 108,000 gallons (408,824 liters)  
Contaminant Reduction Determined by NSF testing.

Substance Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF/ANSI Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	2.0 mg/L	2.0 mg/L ± 10%	97.3%	0.08 mg/L	N/A	≥ 50%	J-00018154
Nominal Particulate Class I, 0.5 ≤ 1.0 µm	3,833,333 pts/mL	At least 10,000 particles/mL	99.4%	19,883 pts/mL	N/A	≥85%	J-00047325
Cyst*	107,750 cysts/L	Minimum 50,000 cysts/L	99.99%	5 cyst/L	N/A	≥99.95%	J-00092653
Turbidity	11.5 NTU	11 ± 1 NTU	98.4%	0.19 NTU	0.5 NTU	N/A	J-00110254

\* Based on the use of Cryptosporidium parvum oocysts

## FOR COMMERCIAL USE ONLY

Application Guidelines/Water Supply Parameters	
Service Flow	10 gpm ( 37.85 lpm)
Water Supply	Potable Water
Water Pressure	25 -125 psi (172 – 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

**Note:** While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF90 (Qty 2 cartridges). For estimated costs of replacement elements please call 866.990.9785 or visit our website at [www.3Mpurification.com](http://www.3Mpurification.com)

Parts and service available from:



**3M Purification Inc.**  
400 Research Parkway  
Meriden, CT 06450, U.S.A.  
Tel 866.990.9785  
203.237.5541  
Fax 203.238.8701  
[www.3Mfoodservice.com](http://www.3Mfoodservice.com)  
[www.3Mpurification.com](http://www.3Mpurification.com)

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**WARNING**  
To reduce the risk associated with ingestion of contaminants:  
**Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before and after the system.** Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.  
EPA Establishment Number 070595-CT-001

### CAUTION

To reduce the risk associated with property damage due to water leakage:

- **Read and follow** Use Instructions before installation and use of this system.
- Installation and use **MUST** comply with all state and local plumbing codes.
- **Do not** install if water pressure exceeds 125 psi (862 kPa). If your water pressure exceeds 80 psi, you **must** install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure.
- **Do not** install where water hammer conditions may occur. If water hammer conditions exist you **must** install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.
- **Do not** install on hot water supply lines. The maximum operating water temperature of this filter system is 100° F (38° C).
- **Protect filter from freezing.** Drain filter when temperatures drop below 40°F (4.4°C).
- The disposable filter cartridge **must** be replaced every 12 months at the rated capacity or sooner, if a noticeable pressure drop occurs.
- **Flush 20.0 gallons through cartridge(s) before use (flush approximately 2 minutes).**