

# Performance Data Sheet

## Model: High Flow Series/HF45 and HF45-S

Use Replacement Cartridge HF45 or HF45-S



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

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.

Capacity: See chart on page 2

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 Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	2.0 mg/L	2.0 mg/L $\pm$ 10%	96.6%	0.07 mg/L	N/A	$\geq$ 50%	J-00089365

### FOR COMMERCIAL USE ONLY

Application Guidelines/Water Supply Parameters	
Service Flow	See chart on page 2
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 Installation Manual for Warranty information.

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

Replacement Cartridge: HF45 or HF45-S. For estimated costs of replacement elements please call 866.990.9785 or visit our website at [www.3Mpurification.com](http://www.3Mpurification.com)



#### 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.**

#### 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 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 6 months or at the specified service cycle, or sooner, if a noticeable pressure drop occurs.

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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# Performance Data Sheet

## Model: High Flow Series

Use Replacement Cartridge HF45 and HF45-S

### HF45 and HF45-S Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instructions	Capacity
NH3-½ Series Head	1	2.1 gpm (7.9 lpm)	Flush 4.5 gallons through cartridge(s) before use (approximately 2 minutes)	25,000 gallons (94,635 liters)
VH3 Series Head	1	2.1 gpm (7.9 lpm)	Flush 4.5 gallons through cartridge(s) before use (approximately 2 minutes)	25,000 gallons (94,635 liters)
Twin Manifold Assembly, 2XX Series	2	4.2 gpm (15.9 lpm)	Flush 8.5 gallons through cartridge(s) before use (approximately 2 minutes)	50,000 gallons (189,271 liters)
Triple Manifold Assembly, 3XX Series	3	6.3 gpm (23.8 lpm)	Flush 12.6 gallons through cartridge(s) before use (approximately 2 minutes)	75,000 gallons (283,906 liters)
DF Single Manifold Assembly, DF 1XX Series	1	2.1 gpm (7.9 lpm)	Flush 4.5 gallons through cartridge(s) before use (approximately 2 minutes)	25,000 gallons (94,635 liters)
DF Twin Manifold Assembly, DF2XX Series	2	4.2 gpm (15.9 lpm)	Flush 8.5 gallons through cartridge(s) before use (approximately 2 minutes)	50,000 gallons (189,271 liters)
DP Single Manifold Assembly, DP 1XX Series	1	2.1 gpm (7.9 lpm)	Flush 4.5 gallons through cartridge(s) before use (approximately 2 minutes)	25,000 gallons (94,635 liters)
DP Twin Manifold Assembly, DP2XX Series	2	4.2 gpm (15.9 lpm)	Flush 8.5 gallons through cartridge(s) before use (approximately 2 minutes)	50,000 gallons (189,271 liters)
DP Triple Manifold Assembly, DP3XX Series	3	6.3 gpm (23.8 lpm)	Flush 12.6 gallons through cartridge(s) before use (approximately 2 minutes)	75,000 gallons (283,906 liters)
SF Single Manifold Assembly, SF 1XX Series	1	2.1 gpm (7.9 lpm)	Flush 4.5 gallons through cartridge(s) before use (approximately 2 minutes)	25,000 gallons (94,635 liters)