

## 3M™ Water Filtration Products

# 3M™ High Flow CLX Series Model DF290-CLX Dual Flow Water Filtration System

3M™ High Flow CLX Series Model DF290-CLX dual flow water filtration system is designed for multi-equipment use in ice, coffee and cold beverage applications offering both chlorine and chloramine reduction in one compact design. Provides consistent high-capacity and high-quality water by reducing particulate, chloramine, chlorine taste and odor, cyst<sup>1</sup>, bacteria<sup>2</sup>, and scale<sup>3</sup>. Two separate streams exit the manifold. The first stream (STREAM ONE) supplies cold beverage applications. The second stream (STREAM TWO) supplies the ice machine.

- STREAM ONE combines cyst<sup>1</sup>, bacteria<sup>2</sup>, chloramine, chlorine taste and odor and particulate reduction.
- STREAM TWO combines cyst<sup>1</sup>, bacteria<sup>2</sup> and particulate reduction. Chloramine and/or chlorine are not reduced from this stream to preserve their disinfectant properties. A scale<sup>3</sup> inhibition medium is added to reduce the hard scale effects of calcium and magnesium ions.

Chlorine and chloramine are known to add off-taste or odor to your water-based beverages and can also cause corrosion and damage to equipment using water such as steamers, combi-ovens, coffee and tea brewers, and espresso machines. Includes built-in scale<sup>3</sup> inhibition which can help to prevent the potentially harmful effects of scale build-up on equipment.

### Product Benefits:

- One system for dedicated ice and cold beverage applications that simultaneously supplies high quality water for beverage dispensers and ice machines
- Featuring Integrated Membrane Pre-Activated Carbon Technology ("I.M.P.A.C.T.") with multi-stage filtration reducing the need for a separate prefilter
- Built-in scale<sup>3</sup> inhibition helping prevent the potentially harmful effects of scale build-up on equipment
- Sanitary Quick Change (SQC) encapsulated cartridge design eliminates media contamination during change-outs with a ¼ turn
- ¾" MNPT horizontal inlet and outlet ports allow direct or easily adaptable connections to existing plumbing lines
- Manifold includes outlet check valves and vent valve
- Reduction of up to 99.99% of common water-borne bacteria<sup>1</sup> by membrane filtration
- A dedicated non-carbon containing cartridge reduces cysts<sup>1</sup>, bacteria<sup>2</sup> and particulate and adds a scale<sup>3</sup> inhibition medium for ice machines. The inlet water's chlorine/chloramine content is unaffected for the reduction of biofilm (STREAM TWO) in the ice machine
- Certified to NSF/ANSI 42 for structural integrity and materials safety
- Certified to NSF/ANSI 42 for chlorine taste and odor, chloramine, and particulate reduction
- Certified to NSF Standard 53 for cyst reduction
- WQA certified to WQA/ASPE/ANSI S-803 for Sustainability Attributes
- Components certified by WQA to NSF 372 for low lead compliance



**DF290-CLX**

<sup>1</sup> Based on testing using *Cryptosporidium parvum* oocysts

<sup>2</sup> As tested and verified with *E. Coli* ATCC (11229) by manufacturer's laboratory.

<sup>3</sup> As tested and verified by manufacturer's laboratory

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## Product Specifications:

- Temperature: 40°–100°F (4.4°–37.8°C)
- Pressure: 25–125 psi (172–862 kPa)
- Shipping weight: Refer to price book
- Operating weight: Contact factory

Model Number	3M ID	JDE ID	Micron Ratings	Flow Rate (gpm/lpm)	Capacity (gal./lit.)	Claims
DF290-CLX <sup>1</sup>	70020343433	5623603	0.2 micron	3.34 gpm/Chloramine 10.00 gpm/CTO	28,000 gals./ chloramine (105,992 lit.)	Particulate, chloramine, chlorine taste and odor, cyst <sup>1</sup> , scale <sup>3</sup>
				12.64 lpm/Chloramine 37.85 lpm/CTO	70,000 gals./ chlorine (264,979 lit.)	

## System/Cartridge Dimensions:

Model Number	3M ID	JDE ID	Shipping Dimensions	System/Cartridge Weight	Case Qty
DF290-CLX	70020343433	5623603	5.375"L × 22.875"W 24.06"H (13.65cm × 58.10cm × 61.11cm)	21.65 lbs.	1

<sup>1</sup> Based on testing using *Cryptosporidium parvum* oocysts

<sup>2</sup> As tested and verified with E. Coli ATCC (11229) by manufacturers laboratory.

<sup>3</sup> As tested and verified by manufacturer's laboratory. (Applies to HF90-S-SR5 only.)

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**Limited Warranty, Limited Remedy, and Disclaimer:** 3M warrants that this product (excluding filter cartridge or filter membrane) will be free from defects in material and manufacture for the period of one (1) year from the date of purchase. No warranty is given as to the service life of any filter cartridge or membrane as it will vary with local water conditions and water consumption. Except as required by law, 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. This warranty does not cover failures resulting from misuse, alterations, failure to follow instructions or damage not caused by 3M. This warranty does not cover labor. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

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Spec # \_\_\_\_\_

Quantity \_\_\_\_\_

Model # \_\_\_\_\_

Part # \_\_\_\_\_

## Important Installation Tips:

These installation tips are for informational purposes only and are not intended to be used as actual installation instructions.

**⚠ WARNING Read entire product manual and Performance Data Sheet. Failure to follow all product instructions could cause personal injury from exposure to contaminants AND/OR property damage due to water leakage or flooding.**

- For cold water use only. Not for residential applications.
- System installation and use must comply with all state and local regulations and plumbing codes.
- Filter cartridge must be replaced at the required intervals as stated on the product label and manual.
- If your water supply pressure is higher than 80 psi, you must install a pressure reducing valve before installing system.
- **DO NOT use** with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- The 3M™ High Flow CLX Series Water Filtration Systems have been tested and certified to NSF/ANSI standard 42, 53, and CSA B483.1 for the reduction of the substances listed in the system Performance Data Sheet. The system does not reduce all substances that could be present in your water.



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System tested and certified by NSF International against NSF/ANSI 42 and 53 for the reduction of the claims specified on the Performance Data Sheet and against CSA B483.1.



This model is certified by the Water Quality Association to WQA/ASPE/ANSI S-803 for Sustainability.

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