

3M Science.
Applied to Life.™

Filter out the doubt.

3M™ High Flow CLX Series

Foodservice Water
Filtration Products



Now you can have confidence that your water has both chloramines
and chlorine reduction with the 3M™ High Flow CLX Series.

The beauty of double duty.

Now you can get best-in-class reduction of both chloramines and chlorine taste and odour.

What's better than one simple solution for multiple water quality concerns? Getting it in an easy-to-maintain high-capacity system with a smaller footprint from a partner you trust.

How is your municipality's water treated?

Municipalities use multiple methods to treat their drinking water, with chlorine and chloramines being the most prevalent. Unfortunately, the effects of these chemicals may impact the quality of your beverages and ice, as well as damage your expensive equipment.

Chloramines

Municipalities are switching to using chloramines because they can overcome the disadvantages of chlorine disinfection, but still kill potentially harmful organisms like bacteria and viruses. A majority of the UK is provided water treated with chloramines, although some municipalities switch between chlorine and chloramines throughout the year.



Why it matters.

Chloramines and chlorine used in water treatment systems can have a negative impact on your business. Soft drinks and ice made from water containing chloramines and chlorine can have an off-taste and odour – giving your customers the wrong message. Previously, standard filters were ineffective at removing chloramines, but the 3M™ High Flow CLX Series gives you peace of mind that you'll have great-tasting water whether your municipality uses chloramines or chlorine to treat your water. Keep your customers coming back for more with innovative foodservice water filtration products from 3M.

Chlorine

Chlorine has historically been the water disinfectant of choice for municipalities in the UK. It's highly effective at making water safe by killing potentially harmful organisms in water such as bacteria and viruses. It's not the perfect solution, as it can prematurely dissipate in water distribution pipes and may not provide disinfection at the far ends of the distribution lines.

*Based on HF98-CLX at 283.906 Litres per cartridge.

One solution, so many benefits.

Chlorine and chloramines reduction are just the start of the reason to choose 3M™ High Flow CLX Series filtration.

High-Capacity Portfolio

The CLX Series offers up to 283.906 litres¹ of chlorine and chloramines reduction capacities in ONE single cartridge. With a full range of options, you can select the CLX model that meets your needs for filtration performance, capacity, flow rate and size.

Flexibility

The CLX Series is designed with built-in filtering for multiple common disinfectant types, so you don't have to switch filters if your water supply changes between chloramines and chlorine treatments.

Compact Design

With space-saving designs, the CLX Series delivers high-capacity filtration in a small footprint.

Fast and Easy

Cartridge change-outs are quick and simple thanks to the Sanitary Quick Change (SQC) design that eliminates media contamination during change-outs and requires no special tools.

Proven Performance

The CLX Series meets NSF and WQA standards² so you can confidently and proudly serve your customers high-quality filtered water.

How a Multi-Application System Works

One CLX Series filtration system, three filtration streams.

Model DIDF260-CLX system



1 Nice Ice

Line 1 supplies ice machines water with reduced particulate, cyst¹ and bacteria². The filter features a scale-inhibition³ media to help reduce scale³ build-up.

2 Better Beverages

Line 2 feeds water filtered to reduce particulate, chloramines, chlorine taste and odour, cyst¹ and bacteria² to cold beverage machines.



¹ Model HF98-CLX.

² See performance data sheet for details.

¹ Certified to NSF/ANSI 53 for Cyst Reduction. Based on testing using *Cryptosporidium parvum* oocysts

² As demonstrated with 99.99% reduction of surrogate organism *E. coli* (ATCC 11229) and *P. fluorescens* (ATCC 49642) in manufacturer's lab test.



The ones that get it done.

Introducing the 3M™ High Flow CLX Series.

Are you prepared if your municipality changes the chemicals it uses to treat your water? It's not uncommon for municipalities to change the chemicals in their process from chlorine to chloramines and vice versa – which could impact the quality of your water. But now you can remove the worry and uncertainty while reducing contaminants with one single filter solution – the 3M™ High Flow CLX Series.



The majority of the UK municipal water is using water treated with chloramines.



Water filtration technology.

High Flow HF98-CLX/S

- ▶ High-capacity filtration solution rated at up to 283.906 Litres of chlorine and chloramines reduction in ONE single cartridge
- ▶ Single-cartridge flow rates and capacities previously available only with three or four cartridge systems
- ▶ Reduces particulate, chloramines and chlorine taste and odour from incoming water
- ▶ Chloramines reduction helps eliminate corrosion damage to stainless steel kitchen equipment and rubber plumbing fittings
- ▶ Up to 12-month cartridge life
- ▶ Fast and easy cartridge change-outs with Sanitary Quick Change (SQC) encapsulated cartridge design
- ▶ Certification to NSF/ANSI 42

3M
 Replacement Cartridge for
 3M™ High Flow Series Systems
 Reduces Particulate, Chloramines, Chlorine Taste & Odor

HF98-CLX

Part No. 543778 / 70020353788
 Pressure/Pression/Druck/Pressione: 25 – 125 psi (172 – 862 kPa)
 Temperature/Temperature/Temperatur/Temperatur: 40-100°F (4.4-37.8°C)
 Nominal Micron Rating/Seuil nominal de filtration en microns/Capacidad nominal en microns/Nominale Rückhaltung/Valore nominale in microns/5 micron*
 Capacity, Flow Rate/Capacidad, Débit/Capacidad, Caudal/Capazität, Durchfluss/Capazität, Portata: 15,000 gal (283,906 L) 1.5 gpm (5.68 lpm) max Chloramine CTO
 5.0 gpm (18.92 lpm) max

*As tested and verified by manufacturer's laboratory.
 ⚠️WARNING: Read entire product manual. Failure to follow all product instructions and warnings could cause personal injury from exposure to contaminants AND/OR property damage due to water leakage or flooding.
 • System installation and use must comply with all state and local regulations and plumbing codes.
 • DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
 • DO NOT use product if it has been hit, dropped, or damaged. If your water supply pressure is higher than 80 psi, you must install a pressure reducing valve before installing system.
 • REPLACE FILTER CARTRIDGE no later than every 12 months. If the rated gallon capacity is reached or a noticeable reduction in flow rate, change in odor or taste occurs before 12 months of use, then replace filter promptly. Failure to replace filter cartridge according to these instructions may result in failure of filter to reduce contaminants as designed AND/OR property damage due to water leakage or flooding.
 • For cold water use only. Not for residential applications.

NSF International
 NSF-42 Certified to NSF/ANSI Standard 42 for the reduction of the items specified on the Performance Data Sheet and against Chloramines.

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More than
3X
 the taste and odour
 reduction capacity
 of the leading
 competitor's
 pre-coat filter.



Single-Application Systems

Select models feature Integrated Membrane Pre-Activated Carbon Technology (“I.M.P.A.C.T.”) media. These systems deliver quality water to single applications and are compact, making them ideal for under-counter installations.



Cold Beverage HF60-CLX

Applications

- Fountain/Post Mix
- ▶ Single Carbonator, Frozen carbonated beverage and/or Non-Carb Dispensers
- Juice Machines
- ▶ Single and Multi-Dispenser, Push Button and Portion-Control Juice Machines



HF98-CLX

Applications

- Fountain/Post Mix
- High Volume Single Carbonator, Frozen carbonated beverage and/or Non-Carb Dispensers
- Juice Machines
- High Volume Single and Multi-Dispenser, Push Button and Portion-Control Juice Machines

Multi-Application System

Select models feature Integrated Membrane Pre-Activated Carbon Technology (“I.M.P.A.C.T.”) media. These centralised systems deliver filtered water to multiple pieces of equipment that require different water characteristics



Dual-Flow System for Cold Beverages, Ice and Coffee DIDF260-CLX

Applications

- Fountain/Post Mix
- ▶ Single or Dual Carbonator, Frozen carbonated beverage and/or Non-Carb Dispensers
- Ice Machines
- ▶ Commercial Cubers and/or Flakers

3M™ High Flow CLX Series Filter System

Model/Part	3M ID	3M SAP ID	Micron Rating	Replacement Cartridge	Flow Rate (lpm)	Capacity (L)	Reduction Claims
Dual Flow Series⁴							
DIDF260-CLX ^{5,6}	70071473121	7100271897	0.2 micron	DIDF260-CLX CARTRIPAK, 5613834 (two (2) HF60-CLX cartridges and one (1) HF60-S-SR5 cartridge)	12.64 lpm/chloramines 26.50 lpm/CTO	47,696 L/chloramines	Particulate, chloramines, chlorine taste and odour, cyst ¹ , bacteria ² , scale ³
						264,979 L/chlorine	
Replacement Cartridges							
HF45-CLX	70020343599	7100271891	5 micron	HF45-CLX 5637113	2.65 lpm/chloramines 9.46 lpm/CTO	94,635 L	Particulate, chloramines, chlorine taste and odour
HF45-CLXS	70020353754	7100271889	5 micron	HF45-CLXS 5637116	2.65 lpm/chloramines 9.46 lpm/CTO	94,635 L	Particulate, chloramines, chlorine taste and odour and scale ³
HF65-CLX	70020342658	7100271880	5 micron	HF65-CLX 5637213	3.79 lpm/chloramines 13.25 lpm/CTO	132,489 L	Particulate, chloramines, chlorine taste and odour
HF65-CLXS	70020353762	7100271888	5 micron	HF65-CLXS 5637227	3.79 lpm/chloramines 13.25 lpm/CTO	132,489 L	Particulate, chloramines, chlorine taste and odour and scale ³
HF98	70020353804	7100271885	5 micron	HF98 5637320	18.93 lpm/CTO	283,906 L	Particulate, chlorine taste and odour
HF98-S	70020353812	7100271884	5 micron	HF98-S 5637321	18.93 lpm/CTO	283,906 L	Particulate, chlorine taste and odour and scale ³
HF98-CLX	70020353788	7100271887	5 micron	HF98-CLX 5637318	5.68 lpm/chloramines 18.93 lpm/CTO	283,906 L	Particulate, chloramines, chlorine taste and odour
HF98-CLXS	70020353796	7100271886	5 micron	HF98-CLXS 5637319	5.68 lpm/chloramines 18.93 lpm/CTO	283,906 L	Particulate, chloramines, chlorine taste and odour and scale ³
HF60-CLX	70020342625	7100271883	0.2 micron	HF60-CLX 5637210	6.32 lpm/chloramines 13.25 lpm/CTO	23,848 L /chloramines	Particulate, chloramines, chlorine taste and odour, cyst ¹ and bacteria ²
						132,489 L /chlorine	
HF60-CLXS	70020342633	7100271881	0.2 micron	HF60-CLXS 5637211	6.32 lpm/chloramines 13.25 lpm/CTO	23,848 L /chloramines	Particulate, chloramines, chlorine taste and odour, cyst ¹ , scale ³ and bacteria ²
						132,489 L /chlorine	
HF90-CLX	70020342682	7100271759	0.2 micron	HF90-CLX 5637301	6.32 lpm/chloramines 18.93 lpm/CTO	52,996 L /chloramines	Particulate, chloramines, chlorine taste and odour, cyst ¹ and bacteria ²
						132,489 L /chlorine	

¹ Based on testing using Cryptosporidium parvum oocysts

² Reduction of Water-borne bacteria as demonstrated with 99.99% reduction of surrogate organism E. coli (ATCC 11229) and P. fluorescens (ATCC 49642) in manufacturer's lab test.

³ As tested and verified by manufacturer's laboratory.

⁴ Select a Dual Flow Series system if you would like to keep chlorine and/or chloramine in the water feeding the ice machine. Capacity shown in the table is for beverage/coffee machines outlet. Ice machine capacity is not applicable for all Dual Flow Series products listed.

⁵ Separate inlet for ice and beverage flow.

⁶ Flow rate shown in the table is for beverage/coffee machines outlet. Ice machine flow rate for all Dual Flow Series products listed is 12.64 lpm.

Product Selection and Use:

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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3M Separation and Purification Sciences Division

3M United Kingdom PLC
3M Centre, Cain Road
Bracknell, RG12 8HT
Tel: +44 (0)845 6025 237
3Mwaterfiltration@mmm.com
3M.co.uk/waterquality

3M.co.uk/highflowCLX

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