

3M™ Water Filtration Products

3M™ High Flow Carbonless Series Water Filtration Products

Help improve the appearance and consistency of your products while protecting your expensive equipment from potentially harmful biofilm build-up.

Our Carbonless Filters are designed to maintain chlorine levels present in your incoming water to help protect your ice machine from potentially harmful biofilm build-up.¹ This series offers flow rates from 2 gpm (7,57 lpm) to 5 gpm (18,9 lpm) at 0.2 nominal micron ratings.

Product Benefits:

- Sanitary Quick Change (SQC) encapsulated cartridge design eliminates media contamination during change-outs with a ¼ turn
- Multi-zone pharmaceutical grade membrane with 0.2-micron nominal rating
- Reduction of 99.99 percent of waterborne bacteria¹
- Built-in scale inhibitor reduces lime scale build-up³ on evaporator plates as tested by 3M Purification Inc.
- Certified to NSF Standard 42 for structural integrity and materials safety
- Certified to NSF Standard 42 for particulate reduction
- Certified to NSF Standard 53 for cyst reduction²
- Bacteria retentive filter system¹
- Direct or easily-adaptable connections to existing plumbing lines with ¾" FNPT horizontal inlet and outlet ports
- Proprietary valve-in-head design simultaneously shuts off and vents water, allowing for simple and virtually trouble-free cartridge change-outs without the need to shut off the upstream feed water
- WQA certified to WQA/ASPE/ANSI S-803 for Sustainability Attributes
- Components certified by WQA to NSF 372 for low lead compliance



Filter Sizing for Ice Machines — Sizing Information by Ice Production Capacity

3M Filtration — Standard Cyst and Bacteria Rated Systems and Cartridges	
3M Filter Model	Nugget Style Ice / Water Dispensers / Cube Style Ice Machines Ice Production (lbs. per day)
ICE120-S-SR	Up to 750
NH3 Head (6214413) Qty 1 + HF40-S-SR (5637115) Qty 1	Up to 1200
ICE160-S-SR	Up to 1600
NH3 Head (6214413) Qty 1 + HF90-S-SR (5617105) Qty 1	Up to 2500
3M Filtration — Absolute 0.2 Micron Bacteria and Cyst Rated Systems and Cartridges	
3M Filter Model	Nugget Style Ice / Water Dispensers / Cube Style Ice Machines Ice Production (lbs. per day)
ICE120-A020-S-SR	Up to 500
ICE160-A020-S-SR	Up to 1000
Twin Manifold (6228505) Qty 1 / HF60-A020-S-SR (5637225) Qty 2	Up to 2400

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

2. Based on testing using *Cryptosporidium parvum* oocysts.

3. As tested and verified by manufacturer's laboratory.

3M™ Water Filtration Products

Series 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

Spec # _____

Quantity _____

Model # _____

Part # _____

Model Number	3M ID	Part No	SAP ID	Micron Rating	Claims
ICE120-S-SR	70020353077	5616016	7100230304	0.2 Nominal	Particulate, Bacteria ¹ (<i>E. coli</i>), Cyst ² and Scale Inhibitor ³
HF20-S-SR	70020353028	5636432	7100231505	0.2 Nominal	Particulate, Bacteria ¹ (<i>E. coli</i>), Cyst ² and Scale Inhibitor ³
HF40-S-SR	70020353044	5637115	7100231284	0.2 Nominal	Particulate, Bacteria ¹ (<i>E. coli</i>), Cyst ² and Scale Inhibitor ³
ICE160-S-SR	70020353069	5616336	7100232991	0.2 Nominal	Particulate, Bacteria ¹ (<i>E. coli</i>), Cyst ² and Scale Inhibitor ³
HF60-S-SR	70020353051	5637226	7100230268	0.2 Nominal	Particulate, Bacteria ¹ (<i>E. coli</i>), Cyst ² and Scale Inhibitor ³
HF90-SR	70020352616	5637315	7100230266	0.2 Nominal	Particulate, Bacteria ¹ (<i>E. coli</i>) and Cyst ²
HF90-S-SR	70020342765	5637309	7100231507	0.2 Nominal	Particulate, Bacteria ¹ (<i>E. coli</i>), Cyst ² and Scale Inhibitor ³
HF90-S-SR5	70020342773	5637310	7100231506	0.2 Nominal	Particulate, Bacteria ¹ (<i>E. coli</i>), Cyst ² and Scale Inhibitor ³

System/Cartridge Dimensions:

Model Number	3M ID	JDE ID	SAP ID	Shipping Dimension	System/Cartridge Weight	Case Qty
ICE120-S-SR	70020353077	5616016	7100230304	11.25"H × 15.88"W × 27.38"L (28.58cm × 40.32cm × 69.53cm)	2.34 lbs.	6
HF20-S-SR	70020353028	5636432	7100231505	8.13"H × 11.63"W × 16.5"L (20.64cm × 29.53cm × 41.91cm)	1.79 lbs.	6
HF40-S-SR	70020353044	5637115	7100231284	5.25"H × 10"W × 14.88"L (13.34cm × 25.4cm × 37.78cm)	2.2 lbs.	2
ICE160-S-SR	70020353069	5616336	7100232991	5"H × 5.06"W × 27"L (12.7cm × 12.86cm × 68.58cm)	3.23 lbs.	1
HF60-S-SR	70020353051	5637226	7100230268	4.56"H × 4.56"W × 16.5"L (11.59cm × 11.59cm × 41.91cm)	2.8 lbs.	1
HF90-SR	70020352616	5637315	7100230266	4.56"H × 4.56"W × 22.5"L (11.59cm × 11.59cm × 57.15cm)	3.74 lbs.	1
HF90-S-SR	70020342765	5637309	7100231507	4.56"H × 4.56"W × 22.5"L (11.59cm × 11.59cm × 57.15cm)	3.94 lbs.	1
HF90-S-SR5	70020342773	5637310	7100231506	4.56"H × 4.56"W × 22.5"L (11.59cm × 11.59cm × 57.15cm)	3.94 lbs.	1

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 Carbonless Absolute Series Water Filtration Products 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.

1. As tested with *E. Coli* ATCC (11229). As tested and verified by manufacturer's laboratory.
2. Based on the use of *Cryptosporidium parvum* oocysts.
3. As tested and verified by manufacturer's laboratory.



3M Purification Inc.
3M Separation and Purification Sciences Division
 400 Research Parkway
 Meriden, CT 06450 U.S.A.

Toll Free 1-866-990-9785
 Worldwide 1-203-237-5541
 Web www.3M.com/waterquality

Limited Warranty and Limited Remedy: 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. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If a 3M product does not conform to this warranty, the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except for the limited remedy above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential, regardless of the legal or equitable theory asserted.



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.

3M is a trademark of 3M Company.
 © 2021 3M Company.
 All rights reserved.
 70-2016-0040-3 REV 0721
 Please recycle. Printed in U.S.A.