

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 Water Filtration Series is designed to maintain chlorine levels present in your incoming water while providing critical protection from protozoan cysts and scale damage in your ice machines. 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-up 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 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.
2. Based on testing using *Cryptosporidium parvum* oocysts.

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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	Bacteria ¹ , Bacteriostatic, Particulate, Cyst ² , Scale Inhibitor ³
HF90-S-SR5	70020342773	5637310	7100231506	0.2 Nominal	Bacteria ¹ , Bacteriostatic, Particulate, Cyst ² , 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	17.5"H x 4.0"W x 4.5"L (44.45 cm. x 10.16 cm. x 11.43 cm.)	2.03 lbs.	6
HF20-S-SR	70020353028	5636432	7100231505	14"H x 3.30"W x 3.30"L (35.6 cm. x 8.38 cm. x 8.38 cm.)	1.38 lbs.	6
HF40-S-SR	70020353044	5637115	7100231284	11.75"H x 4.5"W x 4.5"L (29.85 cm. x 11.43 cm. x 11.43 cm.)	1.73 lbs.	2
ICE160-S-SR	70020353069	5616336	7100232991	18.25"H x 4.5"W x 4.5"L (46.36 cm. x 11.43 cm. x 11.43 cm.)	2.53 lbs.	1
HF60-S-SR	70020353051	5637226	7100230268	14.75"H x 4.5"W x 4.5"L (37.47 cm. x 11.43 cm. x 11.43 cm.)	1.88 lbs.	1
HF90-SR	70020352616	5637315	7100230266	20.75"H x 4.5"W x 4.5"L (52.71 cm. x 11.43 cm. x 11.43 cm.)	2.19 lbs.	1
HF90-S-SR	70020342765	5637309	7100231507	20.75"H x 4.5"W x 4.5"L (52.71 cm. x 11.43 cm. x 11.43 cm.)	2.37 lbs.	1
HF90-S-SR5	70020342773	5637310	7100231506	20.75"H x 4.5"W x 4.5"L (52.71 cm. x 11.43 cm. x 11.43 cm.)	2.37 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: To reduce the risk associated with the ingestion of contaminants:

- DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.
- DO NOT use product if it has been hit, dropped or damaged.

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.
- Protect from freezing: remove filter cartridge when temperatures are expected to drop below 40°F (4.4°C).
- DO NOT install on hot water supply lines. The maximum operating water temperature of this filter system is 100°F (37.8°C).
- DO NOT install if water pressure exceeds 125 psi (862 kPa). If your water pressure exceeds 80 psi (552 kPa), 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.
- Change the disposable filter cartridge at the recommended interval. The disposable filter cartridge must be replaced every 6 or 12 months or sooner.

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.

Limited Warranty

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

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