

3M™ Water Filtration Products

3M™ High Flow Carbonless Absolute Series Water Filtration Products

Help protect customers and patients while you protect your expensive equipment by removing particulate, cysts and microorganisms from your water with 3M™ High Flow Carbonless Absolute Series Water Filtration Products.

3M™ High Flow Carbonless Absolute Series Water Filtration Products support ASHRAE 188 water management plans. Our Carbonless Filters are 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 3.5 gpm (13,25 lpm) at 0.2 absolute micron ratings.¹

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 absolute rating
- Reduction of 99.99 percent of waterborne bacteria²
- Reduces particulate, silt and particulates down to 0.2 microns (by 99.998%) that can clog downstream floats, valves and pumps in equipment
- 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 reduction³
- Bacteria retentive filter system²
- 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 — 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

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

1. Absolute micron rating based on 99.998% log reduction.
 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. Based on testing using *Cryptosporidium parvum* oocysts.

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-A020-S-SR	70020352590	5616015	7100230292	0.2 Absolute	Particulate, Bacteria ¹ (<i>E. coli</i>), Cyst ² and Scale Inhibitor ³
HF20-A020-S-SR	70020352558	5636431	7100230303	0.2 Absolute	Particulate, Bacteria ¹ (<i>E. coli</i>), Cyst ² and Scale Inhibitor ³
HF20-A020-SR	70020353036	5636433	7100230265	0.2 Absolute	Particulate, Bacteria ¹ (<i>E. coli</i>) and Cyst ²
ICE160-A020-S-SR	70020352608	5616335	7100230267	0.2 Absolute	Particulate, Bacteria ¹ (<i>E. coli</i>), Cyst ² and Scale Inhibitor ³
HF60-A020-S-SR	70020352574	5637225	7100230264	0.2 Absolute	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-A020-S-SR	70020352590	5616015	7100230292	11.25"H × 15.88"W × 27.38"L (28.58cm × 40.32cm × 69.53cm)	2.36 lbs.	6
HF20-A020-S-SR	70020352558	5636431	7100230303	8.13"H × 11.63"W × 16.5"L (20.64cm × 29.53cm × 41.91cm)	1.79 lbs.	6
HF20-A020-SR	70020353036	5636433	7100230265	8.13"H × 11.63"W × 16.5"L (20.64cm × 29.53cm × 41.91cm)	1.74 lbs.	6
ICE160-A020-S-SR	70020352608	5616335	7100230267	5"H × 5.06"W × 27"L (12.7cm × 12.86cm × 68.58cm)	3.23 lbs.	1
HF60-A020-S-SR	70020352574	5637225	7100230264	4.56"H × 4.56"W × 16.5"L (11.59cm × 11.59cm × 41.91cm)	2.80 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.
- Replace every 6 months, at the rate capacity, or sooner if a noticeable reduction in flow occurs.

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.

400 Research Parkway
Meriden, CT 06450 U.S.A.

Toll Free 1-866-990-9785
Worldwide 1-203-237-5541
Fax 1-203-238-8701
Web www.3Mfoodservice.com

Limited Warranty

Warranty, Limited Remedy, and Disclaimer: 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 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.
70-2016-0041-1 REV 0121
Please recycle. Printed in U.S.A.