

**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 to help protect your ice machine from potentially harmful biofilm build-up.<sup>2</sup> Also offers sediment and microorganisms reduction<sup>2</sup> while providing critical protection from protozoan cysts.<sup>3</sup> This series offers flow rates from 2 gpm (7,57 lpm) to 3.5 gpm (13,25 lpm) at 0.2 absolute micron ratings.<sup>1</sup>

**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<sup>1</sup>
- Reduction of up to 99.9999% of waterborne bacteria<sup>2</sup>
- Reduces particulate, silt and sediment down to 0.2 microns (by 99.9999%)<sup>1</sup> that can clog downstream floats, valves and pumps in equipment
- Built-in scale inhibitor reduces lime scale build-up<sup>4</sup> 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 reduction<sup>3</sup>
- Bacteria retentive filter system<sup>2</sup>
- 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 99.9999% log reduction.  
 2. Reduction of waterborne bacteria as demonstrated with 99.9999% reduction of surrogate organism *E. coli* (ATCC 11229), *P. fluorescens* (ATCC 49642), *legionella pneumophila* and *brevundimonas diminuta* in a manufacturer's lab test.  
 3. Based on testing using *Cryptosporidium parvum* oocysts.  
 4. 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-A020-S-SR | 70020352590 | 5616015 | 7100230292 | 0.2 Absolute  | Particulate, Bacteria <sup>1</sup> ( <i>E. coli</i> ), Cyst <sup>2</sup> and Scale Inhibitor <sup>3</sup> |
| HF20-A020-S-SR   | 70020352558 | 5636431 | 7100230303 | 0.2 Absolute  | Particulate, Bacteria <sup>1</sup> ( <i>E. coli</i> ), Cyst <sup>2</sup> and Scale Inhibitor <sup>3</sup> |
| HF20-A020-SR     | 70020353036 | 5636433 | 7100230265 | 0.2 Absolute  | Particulate, Bacteria <sup>1</sup> ( <i>E. coli</i> ) and Cyst <sup>2</sup>                               |
| ICE160-A020-S-SR | 70020352608 | 5616335 | 7100230267 | 0.2 Absolute  | Particulate, Bacteria <sup>1</sup> ( <i>E. coli</i> ), Cyst <sup>2</sup> and Scale Inhibitor <sup>3</sup> |
| HF60-A020-S-SR   | 70020352574 | 5637225 | 7100230264 | 0.2 Absolute  | Particulate, Bacteria <sup>1</sup> ( <i>E. coli</i> ), Cyst <sup>2</sup> and Scale Inhibitor <sup>3</sup> |

## 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<br>(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<br>(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<br>(20.64cm × 29.53cm × 41.91cm)   | 1.74 lbs.               | 6        |
| ICE160-A020-S-SR | 70020352608 | 5616335 | 7100230267 | 5"H × 5.06"W × 27"L<br>(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<br>(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

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. Reduction of waterborne bacteria as demonstrated with 99.9999% reduction of surrogate organism *E. coli* (ATCC 11229), *P. fluorescens* (ATCC 49642), legionella pneumophila and *brevundimonas diminuta* in a manufacturer's lab test.
  2. Based on the use of *Cryptosporidium parvum* oocysts.
  3. As tested and verified by manufacturer's laboratory.



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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.

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