

# Arctic Pure®

**Ice Machine - Water Filtration**

Project \_\_\_\_\_  
 Item \_\_\_\_\_  
 Quantity \_\_\_\_\_  
 CSI Section 11400  
 Approved \_\_\_\_\_  
 Date \_\_\_\_\_

## Models

- AR-PRE       AR-10000       AR-20000       AR-40000



AR-PRE



AR-10000



AR-20000



AR-40000

- |  |   |  |  |
|--|---|--|--|
| <ul style="list-style-type: none"> <li>• Pre-filter, dirt and rust sediment reduction</li> </ul> | <ul style="list-style-type: none"> <li>• 1 micron particle reduction</li> <li>• 14,000 gal. capacity</li> <li>• 20 grams scale inhibitor</li> <li><b>Lbs. of ice per day 0-600</b></li> </ul> | <ul style="list-style-type: none"> <li>• 1 micron particle reduction</li> <li>• 20,000 gal. capacity</li> <li>• 40 grams scale inhibitor</li> <li><b>Lbs. of ice per day 601-1000</b></li> </ul> | <ul style="list-style-type: none"> <li>• 1 micron particle reduction</li> <li>• 40,000 gal. capacity</li> <li>• 80 grams scale inhibitor</li> <li><b>Lbs. of ice per day 1001-2,500</b></li> </ul> |
|--|---|--|--|

## Standard Features

Over 60% of ice machine maintenance calls are water-related! **Arctic Pure**® water filters are designed exclusively for ice machine applications and will reduce these calls.

### Built-in scale inhibitor.

- Scale inhibitor is designed into the filters to reduce scale build-up even under the hardest water conditions.

### Reduces chlorine taste and odor.

- All filtration and scale reduction material is NSF and/or FDA compliant and is engineered to reduce chlorine taste and odor. Ice looks and tastes better.

### Graded density carbon block filter.

- Provides superior dirt holding capacity and fine sediment reduction.

### Sanitary quick change housing.

- Design minimizes contamination of filter media during filter cartridge change-out. All filters are provided with automatic shut-off and pressure relief valves.

## Warranty

3-Year parts and labor warranty on head, shroud, hardware, and mounting assembly (water filter cartridge not included).



|                                  |  |
|----------------------------------|--|
| AR-10000<br>AR-20000<br>AR-40000 | Chlorine reduction taste and odor reduction Class I. |
|----------------------------------|--|

Visit [www.nsf.org](http://www.nsf.org) for listed product claims.

Ice Machine - Water Filtration

# Arctic Pure®



## Dimensions

| Model    | Dimensions |       |        |       |        |       | Mtg. Holes       |      | Weight |      |
|----------|------------|-------|--------|-------|--------|-------|------------------|------|--------|------|
|          | Height     |       | Width  |       | Depth  |       | Center to Center |      |        |      |
|          | inches     | cm    | inches | cm    | inches | cm    | inches           | cm   | lbs.   | kgs. |
| AR-Pre   | 17.09      | 43.41 | 6.72   | 17.10 | 4.00   | 10.16 | 1.50             | 3.81 | 4      | 1.81 |
| AR-10000 | 17.09      | 43.41 | 5.72   | 14.50 | 4.00   | 10.16 | 1.50             | 3.81 | 5      | 1.81 |
| AR-20000 | 21.34      | 54.2  | 5.72   | 14.50 | 4.00   | 10.16 | 1.50             | 3.81 | 5      | 2.27 |
| AR-40000 | 21.23      | 54.1  | 15.88  | 40    | 5.00   | 12.7  | Top<br>11.50     | 29.2 | 12     | 5.44 |
|          |            |       |        |       |        |       | Bottom<br>9.75   | 24.8 |        |      |

## Specifications

### Maximum Operating Pressure:

25–125 psi (1.7–8.6 bar)

### Maximum Operating Temperature:

35°–100°F (1.7°–38°C)

Flow Rate: AR-100000 .75 gpm (2.84 LPM)  
AR-20000 0.75 gpm (2.84 LPM)  
AR-40000 1.5 gpm (5.68 LPM)

### Cartridge Housing Material:

Talc Filled Polypropylene

### Primary Filter

1 micron particle reduction. Filter media is graded density carbon block containing scale inhibitor, which holds dissolved minerals in suspension. (AR-10000/20 grams scale inhibitor, AR-20000/40 grams scale inhibitor, AR-40000/80 grams scale inhibitor – 40 grams per cartridge).

### Inlet/Outlet Fittings:

- 3/8" John Guest

### Optional Pre-Filter:

An optional pre-filter is recommended for ice machine installations in areas with high particulate matter (dirty water). The pre-filter extends the filtration efficiency and working life of the primary filter cartridge where this condition exists. The Manitowoc Ice pre-filter is a cost-efficient solution to the particulate matter (dirty water) problem because pre-filter replacements are more economical than a primary filter cartridge.

### Replacement Cartridges:

Pre-Filter .....K-00337  
Primary Filter AR-10000 .....K-00338  
AR-20000/40000 .....K-00339

To insure maximum filtration efficiency, replace the primary filter cartridge every 6 months. A filter gauge will indicate if replacement is necessary prior to six months usage (below 20 psig).

### Important Notice:

Read this performance sheet and compare the capabilities of this unit with your actual water treatment needs. It is recommended that you have your water supply tested to determine your actual water treatment needs before purchasing a water treatment unit.

### Warning:

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfections before or after the unit.

### Caution:

The filter must be protected from freezing. Failure to do so may result in cracking of the filter housing and water leakage.

### Note:

Before using **Arctic Pure** on non-Manitowoc Ice machines consult the ice machine manufacturer for water supply usage requirements.

| Ice Model | Model  |          |          |          |
|-----------|--------|----------|----------|----------|
|           | AR-PRE | AR-10000 | AR-20000 | AR-40000 |
| U65       | •      | •        |          |          |
| U80       | •      | •        |          |          |
| UF-140    | •      | •        |          |          |
| UF-190    | •      | •        |          |          |
| UF-240    | •      | •        |          |          |
| UF-310    | •      | •        |          |          |
| i-300     | •      | •        |          |          |
| iT-420    | •      | •        |          |          |
| iT-620    | •      | •        |          |          |
| iT-450    | •      | •        |          |          |
| iT-500    | •      | •        |          |          |
| iT-600    | •      | •        |          |          |
| iT-750    | •      | •        |          |          |
| iT-900    | •      |          | •        |          |
| iT-1200   | •      |          | •        |          |
| iT-1500   | •      |          |          | •        |
| iT-1900   | •      |          |          | •        |
| iF-1400C  | •      |          |          | •        |
| iF-1800C  | •      |          |          | •        |
| iF-2100C  | •      |          |          | •        |
| IBF-620C  | •      | •        |          |          |
| IBF-820C  | •      |          | •        |          |
| IBT-1020C | •      |          | •        |          |
| CNF0201   | •      | •        |          |          |
| CNF0202   | •      | •        |          |          |
| UNF-0200  | •      | •        |          |          |
| UNF-0300  | •      | •        |          |          |
| RNF-0320  | •      | •        |          |          |
| RNF-0620  | •      |          | •        |          |
| RNF-1100  | •      |          |          |          |
| RNS-1020  | •      |          | •        |          |
| UFF-0200  | •      | •        |          |          |
| RFF-0320  | •      | •        |          |          |
| UFF-0350  | •      | •        |          |          |
| RFF-0620  | •      |          | •        |          |
| RFF-1300  | •      |          |          | •        |
| RFF-1220  | •      |          | •        |          |
| RFF-2500  | •      |          | •        |          |
| RFF-2200C | •      |          |          | •        |

Welbilt reserves the right to make changes to the design or specifications without prior notice.