



# Arctic Pure®

## Ice Machine - Water Filtration

### 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> |
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### 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 AR-20000 AR-40000	Chlorine reduction taste and odor reduction Class I.
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Visit [www.nsf.org](http://www.nsf.org) for listed product claims.



## 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	11.50 Top 9.75 Bottom	29.2 24.8	12	5.44

## 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 Guss

### 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 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 machines consult the ice machine manufacturer for water supply usage requirements.

Ice Model	Model			
	AR-PRE	AR-10000	AR-20000	AR-40000
QM30	•	•		
QM45	•	•		
U-140	•	•		
U-190	•	•		
U-240	•	•		
U-310	•	•		
i-300	•	•		
i-320	•	•		
i-520	•	•		
i-450	•	•		
i-500	•	•		
i-606	•	•		
i-906	•		•	
i-1000	•		•	
i-1200	•			•
i-1400	•			•
i-1800	•			•
i-1470C	•			•
i-1870C	•			•
i-2170C	•			•
IB-696C	•	•		
IB-890C	•		•	
IB-1090C	•		•	
SN-12/20	•	•		
RN-400	•	•		
RN-1000	•			•
RN-1078C	•		•	
RN-1278C	•			•
RN-1400	•			•
RF-0244	•	•		
RF-0266	•	•		
RF/RFS-0300	•	•		
RF-0385	•	•		
RF-0399	•	•		
RF/RFS-0650	•		•	
RF/RFS-1200	•			•
RF-0644	•		•	
RF/RFS-1278C	•		•	
RF/RFS-1279R	•		•	
RF-2300	•		•	
RF/RFS-2378C	•			•
RF/RFS-2379R	•			•