

# Arctic Pure®

Ice Machine - Water Filtration



AR-10000

*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.**  
Siliphos 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.

**America's #1 Selling Ice Machine**

Ice Cube & Flake Machines • Ice Storage Bins • Ice Dispensers



# Manitowoc Arctic Pure®



**AR-PRE**  
Pre-filter, dirt and rust  
sediment reduction



**AR-10000**  
1 micron particle reduction  
14,000 gal. capacity  
20 grams siliphos  
**Lbs. of ice per day 0-600**



**AR-20000**  
1 micron particle reduction  
20,000 gal. capacity  
40 grams siliphos  
**Lbs. of ice per day 601-1000**



**AR-40000**  
1 micron particle reduction  
40,000 gal. capacity  
80 grams siliphos  
**Lbs. of ice per day 1001-2,500**

Ice Machine	Model			
	AR-PRE	AR-10000	AR-20000	AR-40000
QM30	◆	◆		
QM45	◆	◆		
Q-130	◆	◆		
Q-210	◆	◆		
Q-270	◆	◆		
S-300	◆	◆		
S-322	◆	◆		
S-422	◆	◆		
S-450	◆	◆		
S-500	◆	◆		
S-600	◆	◆		
S-850	◆		◆	
S-1000	◆		◆	
S-1200	◆			◆
S-1400	◆			◆
S-1600	◆			◆
S-1800	◆			◆
Q-Dual	◆			
IB-600	◆	◆		
IB-800	◆		◆	
IB-1000	◆		◆	
QF-400	◆	◆		
QC-700	◆		◆	
QF-800	◆		◆	
QF-2300	◆			◆

## 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-10000 ..... 0.75 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 Siliphos scale inhibitor, which holds dissolved minerals in suspension.

(AR-10000/20 grams siliphos, AR-20000/40 grams siliphos, AR-40000/80 grams siliphos – 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 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 the Arctic Pure on non-Manitowoc machines consult the ice machine manufacturer for water supply usage requirements.

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

## 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 11.50	29.2	12	5.44
							Bottom 9.75	24.8		



AR-PRE	Nominal particulate reductions Class IV.
AR-10000 AR-20000 AR-40000	Chlorine reduction taste and odor reduction Class I.

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

