MANITOWOC®

Arctic Pure®

Ice Machine - Water Filtration

Project _____

Item _____

Quantity _____

CSI Section 11400

Approved _____

Date _____

Arctic Pure®

Ice Machine - Water Filtration

Models

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



AR-PRE

- Pre-filter, dirt and rust sediment reduction



AR-10000

- 1 micron particle reduction
- 14,000 gal. capacity
- 20 grams scale inhibitor

Lbs. of ice per day 0-600



AR-20000

- 1 micron particle reduction
- 20,000 gal. capacity
- 40 grams scale inhibitor

Lbs. of ice per day 601-1000



AR-40000

- 1 micron particle reduction
- 40,000 gal. capacity
- 80 grams scale inhibitor

Lbs. of ice per day 1001-2,500

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).

NSF

AR-10000 AR-20000 AR-40000	Chlorine reduction taste and odor reduction Class I.

Visit www.nsf.org for listed product claims.

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www.manitowocice.com

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WELBILT®

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Arctic Pure®

Ice Machine - Water Filtration

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 Bottom 9.75	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 Guess

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
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-1106	•		•	
i-1200	•			•
i-1406	•			•
i-1800	•			•
i-1470C	•			•
i-1870C	•			•
i-2176C	•			•
IB-696C	•	•		
IB-894C	•		•	
IB-1094C	•		•	
SN-12/20	•	•		
RF-0266	•	•		
RFS-0300	•	•		
RF-0385	•	•		
RFS-0650	•		•	
RFS-1200	•		•	
RFS-1270	•		•	
RF-2300	•		•	
RFS-2370	•			•
RNS-0244	•	•		
RNS-0385	•	•		
RNS-0308	•	•		
RNS-0600	•	•		
RNS-1000			•	
RNS-12/20	•	•		

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

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