Manitowoc®

Arctic Pure Plus

Premium Water Filters for Ice Machines

arctic pure+

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Models ☐ AR-PRE-P ☐ AR-10000-P ☐ AR-20000-P ☐ AR-40000-P



AR-PRE-P

- Pre-filter, removes hard sediments, sand, dirt and rust from water, and protects solenoids, valves and inlets to the ice maker
- Compatible with **all** models



AR-10000-P

- Chlorine Reduction
- SLOW PHOS scale inhibitor
- 0.5 Microns filtration
- 15,000 gallon capacity
- Models 0-600 lbs/day



AR-20000-P

- Chlorine Reduction
- SLOW PHOS scale inhibitor
- 0.5 Microns filtration
- 20,000 gallon capacity
- Models 601-1000 lbs/day



AR-40000-P

- Chlorine Reduction
- SLOW PHOS scale inhibitor
- 0.5 Microns filtration
- 40,000 gallon capacity
- Models 1001-2500 lbs/day

Standard Features and Benefits

• 95% average reduction of chlorine from incoming water supply assures the ice tastes and smells fresher, clearer and more enjoyable

• Silver impregnated carbon block provides antimicrobial protection against potential bacteria microorganisms, algae, mold and slime on ice machine surfaces

• Engineered with SLOW PHOS (slowly soluble polyphosphate) to inhibit scale formation and corrosion

• Reduces dirt, submicron particles (down to 0.5 microns) and eliminates contaminates such as cryptosporidium and giardia cysts.

• Ultra-fine filtration (0.5 Microns) with silver impregnated carbon block and slowly soluble polyphosphates provides triple protection from harmful contaminates that can affect your ice machine's performance

• Reduces ice machine cost and maintenance frequency by reducing scale, impurities, and contaminates that can enter the machine.

• Extends the life of the ice machine, when the filters are changed every 6 months or when water pressure is below 20 psi.

• Optimizes the daily performance of the machine, allowing it run at full capacity producing the freshest and purist ice possible

• Cartridges are easy to install, safe, sanitary and can be changed out rapidly, "on the fly" without turning off the water supply

• **Certified to NSF/ANSI Standard 42, 53, 372, and CSA B483.1** by IAPMO and meets CUPC requirements.

IAPMO R&T Certifications

System Model #	Replace. Cartridge	Std. 42 Claims	Std. 53 Claims	Chlorine Red. Cap
AR-PRE-P	K00496	Part. Class 3	None	None
AR-10000-P	K00493	Chlorine & Part. Class 1	Cyst	15,000 gal
AR-20000-P	K00494	Chlorine & Part. Class 1	Cyst	20,000 gal
AR-40000-P	K00495	Chlorine & Part. Class 1	Cyst	40,000 gal

- CSAB483.1:For Canadian water standards
- *NSF/ANSI 53 cyst claim only valid at or below rated flow rate
- Warning : Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfections before or after the unit. For cold water use only. Not for residential use.

Note on Pre-filter: A pre-filter is recommended for all applications to achieve maximum filtration efficiency and cartridge life.

Warranty

3-Year parts and labor warranty on head, shroud, hardware, and mounting assembly.
(water filter cartridge not included).
Residential Warranty - 1 Year

IAPMO R&T WATER QUALITY PLATINUM SEAL IAPMO RESEARCH AND TESTING

UPC C ®

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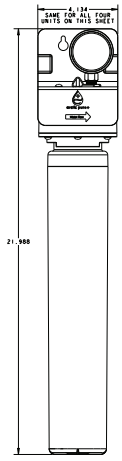
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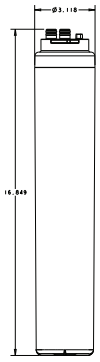
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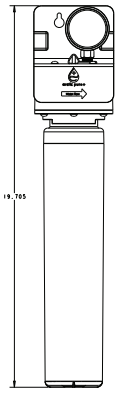
Dimensions



AR-PRE-P SYSTEM
4.13"W x 4.48"D x 22"H
10.5 x 11.37 x 55.9 cm



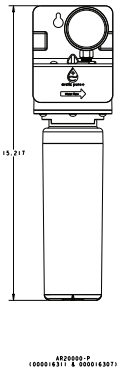
K00496 REP. CART.
3.1"W x 3.1"D x 16.8"H
7.9 x 7.9 x 42.6 cm



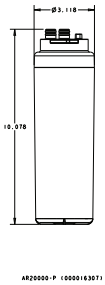
AR-10000-P SYSTEM
4.13"W x 4.48"D x 19.7"H
10.5 x 11.37 x 50.04 cm



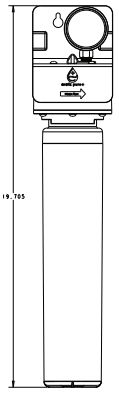
K00493 REP. CART.
3.1"W x 3.1"D x 14.6"H
7.9 x 7.9 x 37.08 cm



AR-20000-P SYSTEM
4.13"W x 4.48"D x 15.2"H
10.5 x 11.37 x 38.6 cm



K00494 REP. CART.
3.1"W x 3.1"D x 10.1"H
7.9 x 7.9 x 25.6 cm



AR-40000-P SYSTEM
4.13"W x 4.48"D x 19.7"H
10.5 x 11.37 x 50.04 cm



K00495 REP. CART.
3.1"W x 3.1"D x 14.6"H
7.9 x 7.9 x 37.08 cm

Usage Matrix

Filter System (Replacement Cartridges)	AR-PRE-P (K00496)	AR-10000-P (K00493)	AR-20000-P (K00494)	AR-40000-P (K00495)
All Under Counters (Cubers, Flakers & Nuggets) Counter Top Nugget	X	X		
Modular Cubers: IT0300-IT750, IBF0620 Modular Flaker: RFF0320 Modular Nugget: RNF320	X	X		
Modular Cubers: IT0900, IBF0820C & IBT1020C Modular Flaker: RFF0620 RFF1220C, RFF1300 Modular Nuggets: RNF0620, RNF1020C, RNF1100	X		X	
Modular Cubers: IT1200, IT1500 & IT1900, IF1400C &IF1800C Modular Flaker: RFF2200C Modular Nugget: RNF2000C	X			X

Specifications and Shipping

System	Replacement Cartridge	Filtration level	Capacity gal	Service Flow Rate (max. gpm (lpm)	Operating Air Temp F (C)	Operating Water Temp F (C)	Operating Pressure psi (bar)	Mtg. Holes from Center in (cm)	Approx. Shipping Weight lbs (kg)	Qty System Lots	Qty Cartridge Lots
AR-PRE-P	K00496	5 Micron	NA	1.5 (5.7)	40°-110°F (4.4°- 43.3°)	40°-90°F (4.4°- 32.2°)	35 -125 (2.41-8.61)	1.5 (3.81)	4 (1.81)	6	12
AR-10000-P	K00493	0.5 Microns	15,000	0.75 (2.84)				1.5 (3.81)	5 (2.26)	6	12
AR-20000-P	K00494	0.5 Microns	20,000	1.25 (4.73)				1.5 (3.81)	4 (1.81)	6	12
AR-40000-P	K00495	0.5 Microns	40,000	2.0 (7.6)				1.5 (3.81)	5 (2.26)	6	12

Installation Tips

- Install vertically with cartridge hanging down
- Allow 2.5" (6.35cm) clearance below the cartridge for easy replacement
- Flush cartridge by running water through filter for ten (10) minutes
- Use copper or polyethylene 3/8" hose for Quick Connect fitting
- Always follow local plumping codes

Operation Tips

- Change cartridge every 6 months or when pressure gauge indicates below 35 psi (which ever comes first)
- Twist 1/4 turn to left to remove cartridge. Twist 1/4 turn to the right to install cartridge (Water can be left on)
- Protect from freezing—Failure to do so may result in cracking of the filter housing and cause water leakage
- When using non-Manitowoc ice makers, consult the ice machine's manufactures for water supply usage requirements.
- It is recommended to have your water supply tested by a professional to determine your water treatment needs.

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

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www.manitowocice.com
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