

# **EVERPURE**® 4SI/7SI CARBONLESS ICE FILTER CARTRIDGES SELLING GUIDE

QUICK-CHANGE CARTRIDGES FEATURE A PROPRIETARY, CARBON-FREE FIBREDYNE™ MEDIA TO HELP REDUCE SLIME AND CONTROL SCALE IN ICE MACHINES AND ICE BINS

#### WHY YOUR CUSTOMERS NEED THE EVERPURE 4SI AND 7SI FROM PENTAIR®

- Reduces particulates down to 0.5-micron by mechanical means\* with an approximate rating of:
- 4SI: 15,000 gallons\*\* (56,781) litres)
- 7SI: 25,000 gallons\*\* (94,635 litres)
- Provides superior dirt-holding capabilities
- Reduces cysts that can cause waterborne diseases such as Cryptosporidium and Giardia by mechanical means\*
- Allows chlorine and chloramines to pass through to the ice machine, helping to reduce the growth of slime and bacteria in the ice machine and ice bin
- Provides scale inhibition to help reduce downtime, maintenance and service costs caused by mineral scale. Scale can cause clogging of distribution lines, freeze-up on evaporator plates, and cause pumps, solenoids and probes to malfunction or fail.

- Simple alternative to other methods of slime reduction, such as ozone and ultra-violet (UV) light
- Helps with compliance of ASHRAE Standard 188P by allowing chlorine into the ice machines
- Helps reduce the risk of a health inspection violation due to bacteria inside the ice machine
- Quick-change filter design fits Everpure QC7I heads
- It's backward compatible, which means it can be used with new or existing Pentair Everpure QC71 heads or replace Everpure Insurice® cartridges
- Easy to install and maintain
- Certified to NSF Standards 42 and 53
- Carries the Pentair Everpure name, one of the most respected brands in foodservice filtration solutions

### **ASHRAE STANDARD 188P**

- ASHRAE Standard 188P: Prevention of Legionellosis Associated with Building Water Systems outlines new standards that require facility managers to:
- Implement stronger safeguards
- Conduct annual risk surveys of their buildings, including testing of water systems and monitoring water filter systems
- If a risk is found, facilities must provide an HACCP prevention plan
- ASHRAE 188P places responsibility for water safety on everyone associated with design, construction, installation, ownership, operation, management, and maintenance of a building's water system
- One specific risk factor in the standard is "incoming potable water containing less then 0.5 ppm residual halogen such as chlorine"
- Because the 4SI and 7SI allow chlorine to pass through to the ice machine, it help hospitals stay in compliance with ASHRAE 188P







FV9606-01

 $<sup>{}^*\</sup>mathsf{See}$  individual system specification sheets for performance claims and FIFRA registration information.

<sup>\*\*</sup>Estimated. Actual capacity may vary depending on volume of particulate in incoming water.

# **EVERPURE**° 4SI/7SI CARBONLESS ICE FILTER CARTRIDGES SELLING GUIDE

#### THE PENTAIR® EVERPURE 7SI IS AVAILABLE IN THE 7CLM/7SI HYBRID SYSTEM (EV9278-20 AND EV9278-21)

This system provides:

- Two distinct water qualities:
- Three (3) parallel heads on the left side for fountain and drinking water feature 7CLM cartridges for premium catalytic carbon for effective chloramines reduction
- Single head on the right for ice, features the Pentair Everpure 4SI and 7SI for scale inhibition and particulate reduction to protect expensive ice machines and to ensure quality ice protection
- Complete quick-change system; no need to replace drop-in Everpure ScaleSticks<sup>®</sup>
- Option to configure with twin cartridges and a plug in the third head position, allowing for future expansion should water requirements increase
- NSF certification to Standard 42 (Aesthetics including taste and odor) and Standard 53 (Health Effects)





**SPECIFICATIONS** 

	PART NO.	7CLM				751				,		
SYSTEM		RATED CAPACITY		FLOW RATE		RATED CAPACITY		FLOW RATE		DIMENSIONS (H X W X D)		CONNECTION
		GALLONS	LITRES	GPM	LPM	GALLONS	LITRES	GPM	LPM	IN	СМ	
7CLM/7SI Hybrid Twin System	EV9278-20	16,000	60,567	2.0	7.5	25,000*	94,635*	3.5	13.25	25.6 x 26.53 x 5.75	65.0 x 67.4 x 14.6	Inlet: 3/4" NPT Outlets: 1/2" Barb
		11,000	41,640	2.7	10.1	_	_	_	_			
		7,200	27,255	3.4	12.9	_	_	_	_			
7CLM/7SI Hybrid Triple System	EV9278-21	10,800	40,882	5.1	19.3	25,000*	94,635*	3.5	13.25	25.6 x 26.53 x 5.75	65.0 x 67.4 x 14.6	Inlet: 3/4" NPT Outlets: 1/2" Barb
		16,500	62,459	4.0	15.1	_	_	_	_			
		24,000	90,850	3.0	11.4	_	_	_	_			

 $<sup>^*</sup>$ Actual capacity may vary depending on the volume of particulate in the source water.

#### **APPLYING AND SIZING PENTAIR EVERPURE 4SI AND 7SI SYSTEMS**

Everpure 4SI and 7SI Systems are ideal for restaurants that have had problems with biofilm growth in their ice machines. An example is a restaurant that does baking and brewing on site where yeast can cause slime to grow inside the ice machine.

### • Single 4SI System:

- Low flow cube ice machines up to 1,000 lbs (453.6 kg) per day
- Hoshizaki<sup>®</sup> Cubers up to 650 lbs (294.8 kg) per day
- Flakers up to 2,000 lbs (907.2 kg) per day

# • Single 7SI and 7CLM/7SI Hybrid System:

- Low Flow Cubers up to 1,600 lbs (725.75 kg) per day
- Hoshizaki Cuber up to 1,150 lbs (521.63 kg) per day
- Flakers up to 3,500 lbs (1587.57 kg) per day

#### • Twin 7SI System:

- Low Flow Cubers >1,600 lbs (725.75 kg)
  per day
- Hoshizaki Cuber >1,150 lbs (521.63 kg) per day
- Flakers >3,500 lbs (1587.57 kg) per day

### • Triple 7SI System:

 Multiple Cubers or Flakers with a total flow rate of 10.5 gpm (39.75 lpm)

#### • Quad 7SI System:

 Multiple Cubers or Flakers with a total flow rate of 14 gpm (53.0 lpm)

# **EVERPURE** 4SI/7SI CARBONLESS ICE FILTER CARTRIDGES SELLING GUIDE

#### PENTAIR® EVERPURE 4SI AND 7SI SYSTEMS CAN ALSO BE CONFIGURED USING THE FOLLOWING MANIFOLDS/HEADS

#### • Single Systems

- 4SI + QL3B head (EV9259-24)
- 4SI + QC7I Single Head with gauge (EV9272-41)
- 7SI + QL3B head (EV9259-24)
- 7SI + QC7I Single Head with gauge (EV9272-41)

#### • Twin Systems

- 7SI + Twin Parallel Head (EV9272-22)
- 7SI + Insurice® Twin PF Manifold (EV9293-22), includes prefilter

#### • Triple Systems

- 7SI + Triple Parallel Head (EV9272-23)
- 7SI + Insurice Triple PF Manifold (EV9293-23), includes prefilter

## Quad Systems

- 7SI + Quad Parallel Head (EV9336-11)
- 7SI + Insurice Quad PF Manifold (EV9293-24), includes prefilter



QL3B HEAD: EV9259-24 4SI CARTRIDGE (1): EV9606-51



QC7I SINGLE HEAD: EV9272-41 4SI CARTRIDGE (1): EV9606-51



QL3B HEAD: EV9259-24 7SI CARTRIDGE (1): EV9606-01



QC7I SINGLE HEAD: EV9272-41 7SI CARTRIDGE (1): EV9606-01



QC71 TWIN HEAD: EV9272-22 7SI CARTRIDGES (2): EV9606-01



INSURICE TWIN PF MANIFOLD: EV9293-22 7SI CARTRIDGES (2): EV9606-01



QC7I TRIPLE HEAD: EV9272-23 7SI CARTRIDGES (3): EV9606-01



INSURICE TRIPLE PF MANIFOLD: EV9293-23 7SI CARTRIDGES (3): EV9606-01



QC7I QUAD HEAD: EV9336-11 7SI CARTRIDGES (4): EV9606-01



INSURICE PF QUAD - 7SI HEAD: EV9293-24 7SI CARTRIDGES (4): EV9606-01

SYSTEM	RATED CA	APACITY	FLOW RATE		
3.512.1	GALLONS	LITRES	GPM	LPM	
4SI with QL3B Head	15,000	56,781	2.0	7.6	
4SI with QC7I Head	15,000	56,781	2.0	7.6	
7SI with QL3B Single Head	25,000	94,635	3.5	13.2	
7SI with QC7I Single Head	25,000	94,635	3.5	13.2	
Insurice PF-7SI Twin	18,000	68,137	3.3	12.6	
Insurice PF-7SI Triple	36,000	136,275	5.0	18.9	
Insurice PF-7SI Quad	48,000	181,700	6.6	25.2	

<sup>\*</sup>Actual capacity may vary depending on the volume of particulate in the source water.

# **EVERPURE**° 4SI/7SI CARBONLESS ICE FILTER CARTRIDGES SELLING GUIDE

#### **COMPETITIVE COMPARISON**



FEATURES/	EVERPURE® 4SI/7SI	ADVA	NTAGE	3M® HF60-S-SR5	
SPECIFICATIONS	EVERPURE" 451/751	EVERPURE 4SI/7SI	3M HF60-S-SR5		
Flow Rate (GPM)	2.0/3.5		✓	3.34	
Particulate Capacity (Gallons)	15,000/25,000	<b>√</b> (7SI)		19,000	
Micron	0.5*†		✓	0.2	
Media	Fibredyne™ w/out Carbon	✓		Polypropylene	
Scale Inhibition	Polyphosphate	✓		Siliphos	
Certification	NSF 42 Nominal Particulate Reduction Class I and NSF 53 Cyst Reduction*†	✓		NSF 42 Nominal Particulate Reduction Class I	
List Price	The 4SI is less than 1/2 the list price of the HF60-S-SR5	<b>√</b> (4SI)		The HF60-S-SR5 is more than twice list price of the 4SI	

<sup>\*</sup>See individual system specification sheets for performance claims and FIFRA registration information. †By mechanical means.



#### Ice Wand™

- Also branded as Selecto® SlimeGuard™, Scotsman® Aquabullet®, Chemco™ "The Inhibitor" and Nu-Calgon™ Ice Guard®. Apyron Technologies supplies the media.
- Has one function: to inhibit the growth of mold and slime in ice machines, and reduce biofilm
- Media: Ceramic pellets coated with copper, silver, manganese and zinc
- Immersed directly in the water sump (water-holding tank) located inside the ice machine
- Replacement schedule: every three
  (3) months in cuber of <1,200 lbs. Every six (6) weeks in cuber of >1,200 lbs.
- Dimensions: 1-1/4" diameter, and 7-3/4" long
- Media: www.apyron.com

ICE WAND IS MOUNTED INSIDE THE ICE MACHINE. TYPICALLY IN THE SUMP.

# Comparison to the Pentair Everpure 7SI Cartridge:

- Ice Wand may need to be replaced as often as every six (6) weeks. That's up to nine (9) times per year! The 7SI only needs to be replaced every six (6) months and only once per year with some ice machines and ice usage.
- Ice Wand does not include particulate removal or cyst reduction
- Ice Wand must be placed in the ice machine sump, unlike the 7SI System which can be mounted externally
- Unless the ice machine is opened and the Ice Wand is inspected, there's no way of knowing if it has expired unless biofilm develops. Everpure 7SI Systems (with the exception of those utilizing the QL3B head) have a gauge that indicates the filter requires changing.
- The Ice Wand website states, "In certain areas where the water contains sulfides, the Ice Wand requires additional water treatment to work effectively." This is because the metals in the Ice Wand can react with sulfides to cause staining inside the ice machine. Examples of sulfides include hydrogen sulfide gas and iron sulfide, usually found in well water. The Everpure 7SI Cartridge adds nothing to the water.







# **EVERPURE**° 4SI/7SI CARBONLESS ICE FILTER CARTRIDGES SELLING GUIDE

#### **SPECIFICATIONS**

**4SI CARTRIDGE** 

**Overall Dimensions:** 14.5" H x 3.25" diameter (36.8 H x 8.26 cm)

Service Flow Rate: 2 gpm (7.57 lpm)

Micron Rating: 0.5 by mechanical means\*

Particulate and Scale Inhibitor Capacity:

15,000 gallons (56,781 litres)\*\*

Pressure Requirements: 10-125 PSI

(0.7-8.6 bar)

Maximum Temperature: 35-100°F

(2-28°C)

Electrical Power Supply: None required

Shipping Weight: 1.6 lbs (0.7 kg)

**7SI CARTRIDGE** 

Overall Dimensions: 20.75" H x 3.25"

diameter (52.7 H x 8.26 cm)

Service Flow Rate: 3.5 gpm (13.25 lpm)

Micron Rating: 0.5 by mechanical means\*

Particulate and Scale Inhibitor Capacity:

25,000 gallons (94,635 litres)\*\*

Pressure Requirements: 10-125 PSI

(0.7-8.6 bar)

Maximum Temperature: 35-100°F

(2-28°C)

Electrical Power Supply: None required

Shipping Weight: 2 lbs (0.9 kg)

### **MARKETING SUPPORT**

All marketing materials will be posted to www.pentairlibrary.com.

- Specification Sheets
- Brochure
- Selling Deck
- Selling Guide



### FILTRATION & PROCESSING SOLUTIONS

EVERPURE-SHURFLO WORLD HEADQUARTERS, 1040 MUIRFIELD DRIVE, HANOVER PARK, IL 60133 USA • WWW.EVERPURE.COM 800.942.1153 MAIN (US ONLY) • 630.307.3000 MAIN • 630.307.3030 FAX • CSEVERPURE@PENTAIR.COM EMAIL

All Pentair trademarks and logos are owned by Pentair, Inc. or its affiliates. All other registered and unregistered trademarks and logos are the property of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice. Pentair is an equal opportunity employer.

EV7015-67 REV B FE14 © 2014 Pentair Filtration Solutions, LLC. All Rights Reserved.

<sup>\*</sup>See individual system specification sheets for performance claims and FIFRA registration information.

<sup>\*\*</sup>Estimated. Actual capacity may vary depending on volume of particulate in incoming water.