ICE MACHINES Sizing Guide



EVP-1-2-3 Ice Makers

Flake & Cube Models

High and Low Flow Rate Machines:

Most problems with ice makers are water related (70% by manufacturers' estimates). Clean up the water and clean up most maintenance problems!

Chief Offenders:

- Dirt: Wears pumps, blocks solenoids, pits evaporators.
- Chlorine*: Gas corrodes stainless parts, surfaces rust.
- Scale Buildup: Coats evaporator, slows harvest, lowers production, increases energy usage.

Solution:

Everpure Insurice Systems:

- Provide excellent flow rates for even largest machines.
- Remove dirt particles down to 1/2 micron in size.
- Reduces chlorine, prevents rusting of stainless parts.
- Reduces lime scale buildup that will cause poor ice production and freeze-up.

Sizing Ice Machines by Brand & Series/Capacity:

 If you know the manufacturer and the "size" of the ice maker, EVP 1-2-3 will point you to the correct filter system or replacement cartridge.

These sizing recommendations are merely general guidelines. For exact sizing by Manufacturer and model number, please contact Everpure Technical Service: servicespecialist@pentair.com or 800.942.1153.

EV9324-21 Insurice® Single PF-i2000² System

Built-in prefilter removes sediment and coarse dirt particles



- Cubers: <650 lbs/day
 IMI Comelius, Manitowoc, Follett,
 Ice-O-Matic
- Flakers: <1500 lbs/day
 IMI Comelius, Manitowoc, Follett,
 Ice-O-Matic, Scotsman

Replacement Cartridges

- EV9534-26 EC210
 Prefilter (1 ea)
- EV9312-22 i-2000²

Micro-Pure® II

System available without prefilter: EV9324-01 Insurice Single

EV9324-22 Insurice Twin PF-i2000² System

Built-in prefilter removes sediment and coarse dirt particles



- Cubers: 650–1200 lbs/day
 IMI Comelius, Manitowoc, Follett,
 Ice-O-Matic, Scotsman
- Cubers: up to 650 lbs/day Hoshizaki
- Flakers: I 500–2500 lbs/day
 IMI Comelius, Manitowoc, Follett, Ice-O-Matic, Scotsman

Replacement Cartridges

- EV9534-26EC-210Prefilter (1 ea)
- EV9312-22 i-2000² (2 ea)

Micro-Pure® II

System available without prefilter: EV9324-02 Insurice Twin

EV9325-23 Insurice Triple PF-i4000² System

Built-in prefilter removes sediment and coarse dirt particles



- Cubers: 1200–1600 lbs/day
 IMI Comelius, Manitowoc, Follett,
 Ice-O-Matic, Scotsman
- Cubers: 900–1250 lbs/day Hoshizaki, Vogt
- Flakers: 2500–3500 lbs/day
 IMI Comelius, Manitowoc, Follett, Ice-O-Matic, Scotsman

Replacement Cartridges

- EV9534-26 EC-210
 Prefilter (1 ea)
- EV9612-32 i-4000² (3 ea)

Micro-Pure® II[†]

System available without prefilter: EV9325-03 Insurice Triple

EV9325-04 Insurice Quad-i4000² System

Optional prefilter available



- Cubers: >1600 lbs/day
 IMI Comelius, Manitowoc, Follett,
 Ice-O-Matic, Scotsman
- Cubers: >1300–2400 lbs/day
 Hoshizaki, Vogt
- Flakers: >3500 lbs/day
 IMI Comelius, Manitowoc, Follett, Ice-O-Matic, Scotsman

Replacement Cartridges

- EV9534-26 EC-210
 Prefilter (1 ea)
- EV9612-32 i-4000² (4 ea)

Micro-Pure® II

Optional prefiler prolongs filter life in dirty water areas: EV3114-34 Prefilter Bracket • EV9795-90 E-Series 20" prefilter

 † MicroPure II – A precoat filter with AgION antimicrobial compound that inhibits the growth of bacteria. As water passes through the filter, the carbon adsorbs chlorine, off-tastes and odors, and AgION works to inhibit any bacterial growth.

COFFEE EQUIPMENT Sizing Guide



EVP-1-2-3Coffee Equipment

Specialty coffees have been the fastest growing segment of the foodservice industry for the last several years. Various blends, flavored coffees and the espresso products have "raised the bar" on coffee offerings. It's no longer just "regular or decaf"?

But one fact remains constant - coffee is 98.7% WATER! To make good coffee or espresso you MUST start with clean, filtered, taste-and odor-free WATER!

Everpure® filters remove dirt, chlorine, off-tastes and odors providing you with superior "ingredient quality" water.

Much more can be said, but let's just make it as easy as EVP 1-2-3!!

Reverse Osmosis

Hardness and Coffee

- For hardness of 12 grains and lower you can utilize Precoat (MH, BH, etc), Claris™ or Reverse Osmosis.
- For hardness above 12 grains, you should only use Reverse Osmosis.

The above recommendations are based on a balance of coffee volume and water quality. An excess of either or both warrants a Reverse Osmosis solution.

These sizing recommendations are merely general guidelines. For exact sizing by Manufacturer and model number, please contact Everpure Technical Service: servicespecialist@pentair.com or 800.942.1153.



Brewers 0.5 GPM and under



System

- EV9725-60 QL2 OCS²
 Replacement Cartridges
- EV9618-02 OCS²

Number of 1/2-gallon pots of coffee in a six month period

3,000

Capacity

■ 1,500 gallons

Micro-Pure® II

Brewers 0.5 GPM — I.0 GPM



System

- EV9272-00 QL3 BH²
 Replacement Cartridge
- EV9612-50 BH²

Number of 1/2-gallon pots of coffee in a six month period

6,000

Capacity

3,000 gallons

Micro-Pure® II

Brewers I.0 GPM — I.67 GPM



System

- QC7I Single MH²
- EV9272-41 QC7l Single Cartridge
- EV9613-21 MH²

Number of 1/2-gallon pots of coffee in a six month period

18.000

Capacity

• 9,000 gallons

Micro-Pure® II[†]

Brewers 1.67 GPM and above



System

- QC7I Twin MH²
- Head
- EV9272-22 QC7I Twin
- Cartridge
- EV9613-21 MH² (2 ea)

For 5, 15-gallon urns

18,000 gallons

Capacity

18,000 gallons

Micro-Pure® II[†]

Water Treatment for Coffee & Espresso



Systems

- EV4339-14 Claris™ XXL[‡]
- EV4339-23 Claris Head 3/8-inch QCF*

Cartridge and head are sold separately.

*Also available in 1/4-inch QCF and 3/8-inch BSP

[‡]Note: If chloride or silica is present in influent water supply, consult factory prior to installing filtration. up to 25-30 gallons per day brewed coffee and espresso

 † MicroPure II – A precoat filter with AglON antimicrobial compound that inhibits the growth of bacteria. As water passes through the filter, the carbon adsorbs chlorine, off-tastes and odors, and AglON works to inhibit any bacterial growth.

ESPRESSO Sizing Guide





Reverse Osmosis

Hardness and Espresso

- For hardness of 12 grains and lower you can utilize Precoat (MH, BH, etc), ESO, Claris[™] or Reverse Osmosis.
- For hardness between 12 and 20 grains, you can utilize either a Claris or Reverse Osmosis solution.
- For hardness above 20 grains, you should only use Reverse Osmosis.

The above recommendations are based on a balance of coffee volume and water quality. An excess of either or both warrants a Reverse Osmosis solution.

Why would I chose Claris over ESO?

- Higher performance filtration.
- Blending valve allows for customized water quality.
- Five-stage (vs three-stage on the ESO) filtration.

For locations that would like to use a single filtration solution for their coffee and espresso equipment, consider using the Claris family of products.

These sizing recommendations are merely general guidelines. For exact sizing by Manufacturer and model number, please contact Everpure Technical Service: servicespecialist@pentair.com or 800.942.1153.



Water Treatment for Espresso



Systems:

- EV9607-25 ESO 7
- EV4339-11 Claris M
- EV4339-12 Claris L
- EV4339-13 Claris XL
- EV4339-14 Claris XXL

Heads.

- EV9272-41 QC7I Single (for ESO cartridge)
- EV4339-23 Claris Head 3/8th QCF* (for Claris cartridges)

Cartridge and head are sold separately.

*Claris head also available in 1/4-inch QCF and 3/8-inch BSP

[‡]Note: If chloride or silica is present in influent water supply, consult factory prior to installing filtration.

 See table below for applying the ESO and Claris to Espresso.

Claris Systems - Scale prevention and hardness can be adjusted to meet specific water recipes

ESO Systems - Scale Prevention

| | Espresso | | | |
|-----------------------|-------------------|-------------------------|-----------------------------------|--|
| | Low Volume | Medium Volume | High Volume | |
| | 150 shots per day | 150 - 300 shots per day | 301-500 shots per day | |
| 8 Grains of Hardness | ESO 7 Twin | ESO 7 Twin | ESO 7 Triple | |
| | Claris M | Claris L | Claris XL | |
| 12 Grains of Hardness | ESO 7 Twin | ESO 7 Triple | Claris XXL or R.O. recommended | |
| | Claris L | Claris XL | Claris XXL | |

FOUNTAIN DRINKS Sizing Guide



EVP-1-2-3 Fountain Drinks Carbonated Only

You may never be called on to size a filter system for fountain drinks, but here are a few simple tips:

Question #1: Is the customer serving carbonated beverages only, or are they selling both carbonated and non-carbonated beverages?

Question #2: Is the customer using an ambient carbonator(s) or cold carbonator(s)?

Question #3: How many carbonators is the customer using?

If you know these three things, the rest is as easy as EVP 1-2-3!

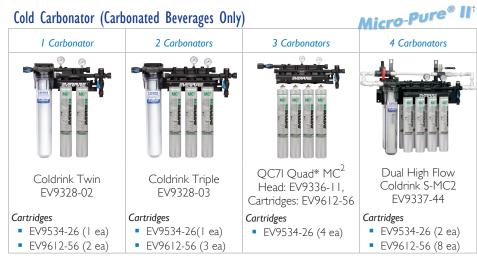
Fountain beverages represent one of the highest profit items in any foodservice operation today. From convenience stores to fine dining, fountain drinks are present. A fountain drink is approximately 83% water! And that doesn't include the ice! So, for great tasting fountain drinks that customers will repeatedly order, use an Everpure filter system to assure quality and good taste. It's as easy as EVP 1-2-3!

These sizing recommendations are merely general guidelines. For exact sizing by Manufacturer and model number, please contact **Everpure Technical Service:** servicespecialist@pentair.com or 800.942.1153.

Ambient Carbonator (Carbonated Beverages Only)



Cold Carbonator (Carbonated Beverages Only)



Replacement Cartridges

- EV9534-26 EC-210 Prefilter
- EV9612-56 MC
- EV9613-10 XC²

*Optional prefilter available

Inconsistent or low water pressure can cause premature filter expiration and poor quality drinks. For locations with low or inconsistent water pressure you should consider a SHURflo® Water Boost System.





| | Annual VPO Syrup | Annual Water Consumption | I dispenser | 2 dispensers | 3 dispensers |
|--------|---------------------|--------------------------|-------------------------------|-------------------------------|----------------------------|
| Sizing | 0 – 500 gallons | 0 – 2500 gallons | 2-gallon Medium WB 804-023 | 2-gallon Medium WB 804-023 | 6-gallon Max WB 804-037 |
| Boost | 500 – 1000 gallons | 2500 – 5000 gallons | 2-gallon Medium WB 804-023 | 2-gallon Medium WB 804-023 | 6-gallon Max WB 804-037 |
| ater E | 1000 – 1500 gallons | 5000 –7500 gallons | 2-gallon Medium WB 804-023 | 2-gallon Medium WB 804-023 | 6-gallon Max WB 804-037 |
| > | 1500 + gallons | 7500+ gallons | 2-gallon Medium WB 804-023 | 6-gallon Medium WB 804-037 | 6-gallon Max WB 804-037 |



 † MicroPure II – A precoat filter with AgION antimicrobial compound that inhibits the growth of bacteria. As water passes through the filter, the carbon adsorbs chlorine, off-tastes and odors, and AgION works to inhibit any bacterial growth.

FOUNTAIN DRINKS Sizing Guide

EVP-1-2-3

EVP-1-2-3 Fountain Drinks Carbonated and Non-Carbonated

You may never be called on to size a filter system for fountain drinks, but here are a few simple tips:

Question #1: How many carbonators are there?

Question #2: How many bag-in-box units are used monthly?

If you know these two things, the rest is as easy as EVP 1-2-3!

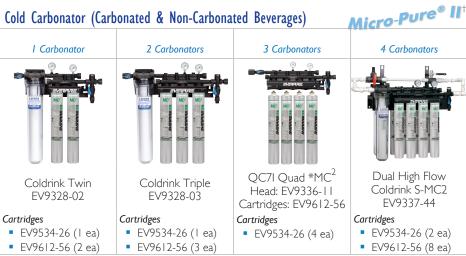
Fountain beverages represent one of the highest profit items in any foodservice operation today. From convenience stores to fine dining, fountain drinks are present. A fountain drink is approximately 83% water! And that doesn't include the ice! So, for great tasting fountain drinks that customers will repeatedly order, use an Everpure filter system to assure quality and good taste. It's as easy as EVP 1-2-3!

These sizing recommendations are merely general guidelines. For exact sizing by Manufacturer and model number, please contact **Everpure Technical Service:** servicespecialist@pentair.com or 800.942.1153.

Ambient Carbonator (Carbonated & Non-Carbonated Beverages)



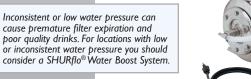
Cold Carbonator (Carbonated & Non-Carbonated Beverages)



Replacement Cartridges

- EV9534-26 EC-210 Prefilter
- EV9612-56 MC
- EV9613-10 XC²

*Optional prefilter available







| | Annual VPO Syrup | Annual Water Consumption | I dispenser | 2 dispensers | 3 dispensers |
|--------|---------------------|--------------------------|-------------------------------|-------------------------------|----------------------------|
| Sizing | 0 – 500 gallons | 0 – 2500 gallons | 2-gallon Medium WB 804-023 | 2-gallon Medium WB 804-023 | 6-gallon Max WB 804-037 |
| Soost | 500 – 1000 gallons | 2500 – 5000 gallons | 2-gallon Medium WB 804-023 | 2-gallon Medium WB 804-023 | 6-gallon Max WB 804-037 |
| ater E | 1000 – 1500 gallons | 5000 –7500 gallons | 2-gallon Medium WB 804-023 | 2-gallon Medium WB 804-023 | 6-gallon Max WB 804-037 |
| > | 1500 + gallons | 7500+ gallons | 2-gallon Medium WB 804-023 | 6-gallon Medium WB 804-037 | 6-gallon Max WB 804-037 |



 $^\dagger \text{MicroPure II} - \text{A}$ precoat filter with AgION antimicrobial compound that inhibits the growth of bacteria. As water passes through the filter, the carbon adsorbs chlorine, off-tastes and odors, and AgION works to inhibit any bacterial growth.

STEAMERS, COMBI OVENS Sizing Guide EVP-1-2-3



EVP-1-2-3

Steamers & Combi Ovens

Steamers generally fall into two categories: electric and gas operated. Everpure® offers solutions for the smallest to the largest commercial steam equipment. Easy as EVP 1-2-3!

Steam cooking equipment is a major part of any medium to high volume foodservice operation today. Steamers are one of the most problematic pieces of kitchen equipment. They are subject to corrosion, scale build-up on controls, boiler walls, heating elements, etc. When a steamer is down, the kitchen is severely limited in production capacity and food quality.

Keep 'em steaming with KleenSteam!

**For Tank Sizing, please contact Everpure Technical Service at servicespecialist@pentair.com or 800.942.1153.

These sizing recommendations are merely general guidelines. For exact sizing by Manufacturer and model number, please contact Everpure Technical Service: servicespecialist@pentair.com or 800.942.1153.

Boiler Steam Ovens up to 12 Grains of Hardness

EV9797-50 KleenSteam CT



Compatible With

- Gas boiler systems up to 125K BTU
- Electric Boiler systems up to 18 kW

Water Requirements

- < 12.0 grains/gallon hardness</p> System
- EV9797-50 KleenSteam CT Replacement Cartridges
- EV9617-16 4CB5 Carbon
- EV9799-02 SS-10 ScaleStick

EV9797-21 KleenSteam II Single



Compatible With

- Gas boiler systems 125 – 175K[']BTU
- Electric boiler systems 18 - 48 kW

Water Requirements

< 12.0 grains/gallon hardness</p>

EV9797-21 KleenSteam II Single

Replacement Cartridges

- EV9618-11 7CB5 Carbon
- EV9799-22 SS-10 ScaleStick

EV9797-22 KleenSteam II Twin



Compatible With

- Gas boiler systems 175K BTU & greater
- Electric boiler systems 48 kW & greater

Water Requirements

- < 12.0 grains/gallon hardness</p> System
- EV9797-22 KleenSteam II Twin

Replacement Cartridges

- EV9618-11 (2 ea) 7CB5 Carbon
- EV9799-22 (1 ea) SS-10 ScaleStick

Direct Injection Steam up to 12 Grains of Hardness

EV4339-14 Steam with a Single System



- Claris XXL[‡] EV4339-14
- Claris Head 3/8-inch QCF* EV4339-23 Cartridge and head are sold separately.

- Rapid Flash Steamers 2 kW-3 kW
- Proofers, small flash steamers 4 kW-10kW
- Medium flash steam and combi 11 kW - 24 kW
- * Also available in 1/4-inch OCF and 3/8-inch BSP.
- [‡] Note: If chloride or silica is present in influent water supply, consult factory prior to installing filtration.

Boiler & Direct Injection Steam greater than 12 Grains of Hardness EV9970-20 MRS-350-BL with Tank

For use in hard water areas and with boilerless steamers



- Gas boiler systems 175K BTU & greater (requires 40 gallon tank)
- Gas boiler systems greater than 175K BTU (requires 80 gallon
- Electric boiler systems up to 48 kW (requires 40 gallon tank)
- Electric Boiler systems 48 kW & greater (requires 80 gallon tank)
- All Boilerless Systems: For tank sizing, contact Everpure Technical Service

Water Requirements

- > 12.0 grains/gallon hardness
- EV9970-20 MRS-350 BL with appropriate sized tank; order tank separately*

Replacement Cartridges

- EV9627-04 7TO-BW (1 ea)
- EV9627-07 MR-350 (1 ea)
- EV9668-24 BW-4400 (1 ea)

Tanks

- DEV3115-72 40 gallon tank
- DEV3115-73 80 gallon tank



EVP-1-2-3 Warewashing

Here's the easiest spec of all... one size fits all! From the under-counter models to the Flight Line conveyers, KleenWare® "keeps 'em washing"!

Dish machines (warewashing equipment) are an integral part of foodservice kitchen packages. From the smallest under-counter units to rack and conveyor models, warewashing equipment has to work properly for the kitchen to function.

Everpure® KleenWare® systems protect the booster heaters, spray arms and interior cavities of these machines and keeps them "on line" and working properly.

Under-Counter and Door Type Machines



System

EV9799-11 KleenWare HTS-11 (1 ea)

Requirements & Specifications

- Mounts on hot water line to booster heater
- Up to 15 GPM flow rate, effective to 200°F
- Inhibits limescale build-up-reduces corrosion
- Simple, effective Hydroblend[™] technology

Replacement Cartridges

EV9799-22 HT-10 Cartridge (1 ea)

Usually lasts up to 6 months depending on volume

Rack Conveyor and Flight Line Machines



System

• EV9799-11 KleenWare HTS-11 (1 ea)

Requirements & Specifications

- Self-metering head feeds proper amount of Hydroblend™ to booster heater
- High temperature housing effective up to 200°F
- Flow rate up to 15 GPM for largest machines

Replacement Cartridges

EV9799-22 HT-10 Cartridge (1 ea)

Should last 4-6 months depending on volume

EV9799-22 HT-10 Replacement Cartridge



Specifications

- Scale control system featuring Hydroblend™
- Inhibits mineral deposits
- Provides corrosion protection

These sizing recommendations are merely general guidelines. For exact sizing by Manufacturer and model number, please contact Everpure Technical Service: servicespecialist@pentair.com or 800.942.1153.

Should last 4-6 months depending on volume

EOMBINATION SYSTEMS Sizing Guide



Combination Systems

Great tasting soda and coffee. ice makers that stay clean and producing, FCB machines with no "off tastes", steamers that stay on line, all good reasons to use Everpure® High Flow Systems. Models support up to 7 GPM flow rates and most feature built-in prefilters.

Everpure High Flow Combination Filter Systems are capable of serving multiple pieces of foodservice equipment from one central filtration system. Ice makers, coffee equipment, espresso, fountain beverages, drinking water and steam equipment all benefit from Everpure's pure, clean "ingredient quality" water.

From a small C-Store to a full size restaurant, great water is as easy as EVP 1-2-3!

A general rule of thumb is that each MC^2 or XC^2 has a flow rate of 1.67 GPM. Total the system flow rate demand and determine how many filters you need for your system.

| # of Filters | Flow Rate GPM |
|--------------|------------------|
| 1 | 1.67 |
| 2 | 3.33 |
| 3 | 5.6 |
| 4 | 6.67 |

These sizing recommendations are merely general guidelines. For exact sizing by Manufacturer and model number, please contact **Everpure Technical Service:** servicespecialist@pentair.com or 800.942.1153.

†MicroPure II – A precoat filter with AgION antimicrobial compound that inhibits the growth of bacteria. As water passes through the filter, the carbon adsorbs chlorine, off-tastes and odors, and AgION works to inhibit any bacterial growth.

EV9328-06 Everpure High Flow CSR Triple-MC² System



System available with low pressure alarm (EV9328-05)

Micro-Pure® II†

System

EV9328-06 CSR Triple-MC²

Requirements & Specifications

- Micro-Pure® II media with anti-microbial protection inhibits potential bacterial growth
- Built-in prefilter removes sediment and prolongs MC² cartridge life
- Shut-off valve, inlet and outlet pressure gauges, flushing valve
- Supports 2 carbonators, 1200 Series ice maker, 3-4 carbonators, and high volume coffee equipment
- SR-X scale reduction feeder for ice and coffee

Replacement Cartridges

- EV9534-26 EC-210 Prefilter (1 ea)
- EV9612-56 MC² (3 ea)
- EV9799-32 SS-IMF (1 ea)

EV9437-10 Everpure High Flow CSR Quad-MC² System



System available with low pressure alarm (EV9437-11)



EV9437-10 CSR Quad-MC²

Requirements & Specifications

- Micro-Pure II media with anti-microbial protection inhibits potential bacterial growth
- Built-in prefilter removes sediment and prolongs MC²
- Built-in shut-off valve, inlet and outlet gauges and flushing valve
- Flow rate up to 6.7 GPM
- Supports 2 carbonators, 1200 Series ice maker, 3-4 carbonators, and high volume coffee equipment

Replacement Cartridges

- EV9534-26 EC-210 Prefilter (1 ea)
- EV9612-56 MC² (4 ea)
- EV9799-32 SS-IMF (1 ea)

EV9347-20 Everpure High Flow CSR Plus-XC²



pressure alarm (EV9347-21)

Micro-Pure® II†

EV9347-20 CSR Plus-XC²

Requirements & Specifications

- Micro-Pure II media with anti-microbial protection inhibits potential bacterial growth
- High capacity, high volume system with XC cartridges
- Surge tank provides reserve of filtered water for peak
- Supports 2 carbonators, 1200 Series ice maker, 3-4 carbonators, and high volume coffee equipment
- XC cartridges provide 40% more life than MC's
- Up to 6.7 GPM flow rates

Replacement Cartridges

- EV9534-26 Prefilter (1 ea)
- EV9613-10 XC² (4 ea)
- EV9799-32 SS-IMF (1 ea)