



EVERPURE® SEN UPGRADE KIT SELLING GUIDE

A COST-EFFECTIVE WAY TO DRAMATICALLY INCREASE YOUR FILTRATION CAPACITY WITHOUT HAVING TO INVEST IN A NEW EVERPURE QUAD MANIFOLD



PENTAIR® EVERPURE SEN UPGRADE KIT – EV9437-60
FOR EVERPURE HIGH FLOW CSR TRIPLE SYSTEM
FLOW RATE: 11.25 gpm (42.6 Lpm)
CAPACITY: 150,000 GALLONS (567,810 LITRES)



PENTAIR EVERPURE SEN UPGRADE KIT – EV9437-65
FOR EVERPURE HIGH FLOW CSR QUAD SYSTEM
FLOW RATE: 15 gpm (56.8 Lpm)
CAPACITY: 200,000 GALLONS (757,080 LITRES)

THE CUSTOMER (END USER) PROBLEM STATEMENTS

- Foodservice operations are using more ingredient water than in the past due to expanding beverage menus and more water-using equipment
- Operational costs, including labor and food, continue to increase, reducing available budgets for equipment and supplies

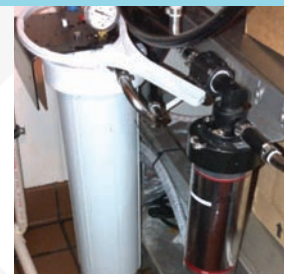
THE SOLUTION

- The Pentair Everpure SEN Upgrade Kit allows for the conversion from standard Everpure High Flow systems (MC², XC²) to the Endurance High Flow System
- **For example:** A High Flow CSR-MC² Quad with a capacity of 36,000 gallons on a 2x per year filter changeout schedule can be upgraded to the Endurance High Flow Quad with a capacity of 200,000 gallons and a 1x per year changeout schedule
- On average, it takes 1 hr and 45 minutes to complete the upgrade
- The upgraded system will have the same NSF claims as the Endurance High Flow System which is listed at NSF.org as "High Flow CSR Triple/Quad – SEN"

BEFORE



AFTER



EVERPURE® SEN UPGRADE KIT SELLING GUIDE

THE END USER VALUE PROPOSITION

- To meet growing water usage, foodservice operations can increase capacity 76%-82% without having to replace their existing Everpure High Flow System manifold, avoiding the cost of purchasing a new manifold

THE DEALER VALUE PROPOSITION

- Dealers can retain current foodservice customers by easily and quickly increasing capacity to meet new water requirements, while reducing the cost of upgrading to a new Everpure Endurance High Flow System

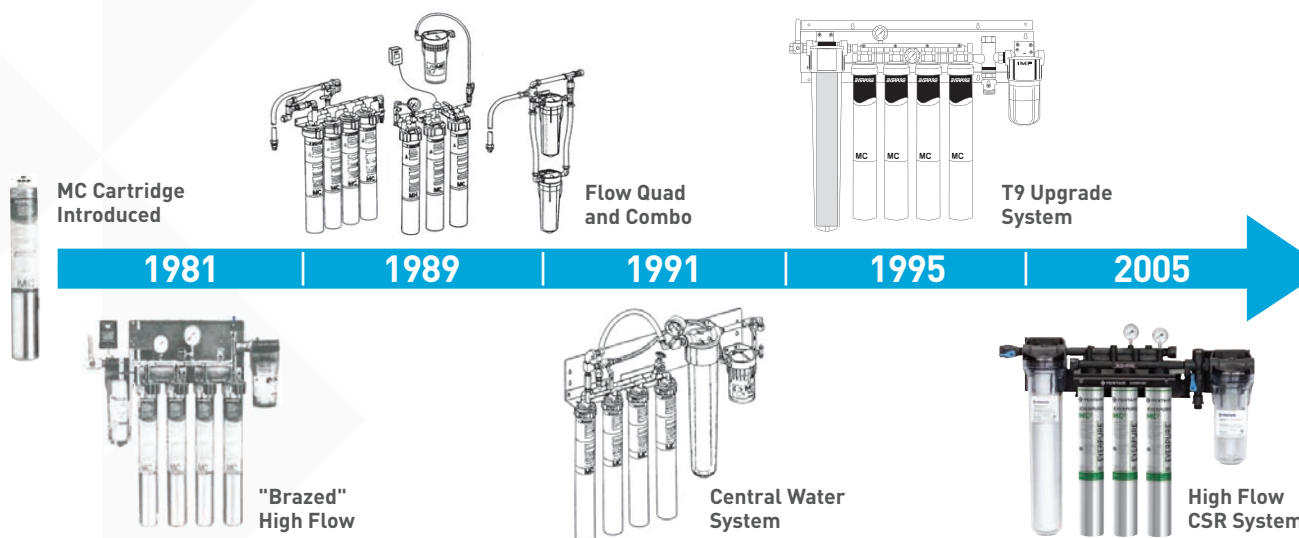
WHY END USERS NEED THE PENTAIR® EVERPURE SEN UPGRADE KIT

- It provides high volume, premium-filtered water without the water waste, electricity and drain requirements of some high capacity, flushing water filter systems
- It provides up to 5x more capacity and 2.5x-3x more flow to an existing Everpure High Flow System, ensuring the customer has adequate filtered water even as new water-using equipment is added
- It reduces the investment required to purchase a new system by retaining and repurposing the customer's pre-existing Everpure High Flow Triple or Quad Manifold
- Upgrading from the traditional Everpure E210 Prefilter Cartridge to the PolyForm™ Microfilter Pleated Pretreatment Cartridge offers a dramatic increase in dirt reduction and fewer change-outs. It also helps ensure that the SEN Fibredyne™ Fine Filters last to their published capacity even in turbid water conditions
- Its high capacity and dirt-reduction capabilities may require changing only 1x per year which reduces the labor and expense required to change-out filters 2x per year (or more)
- The new upgrade kit provides high quality water for beverages while still providing scale protection for ice machines and coffee brewers
- The upgraded system has nearly the same footprint as the customer's existing Everpure High Flow Triple or Quad System

WHY DEALERS WANT TO SELL THE EVERPURE SEN UPGRADE KIT

- It is a simple means of increasing the capacity of their customer's pre-existing filtration system up to 200,000 gallons, while providing a lower cost of ownership than many competitive systems
- The price point of the Everpure SEN Fibredyne Fine Filter, PolyForm Microfilter Pleated Pretreatment Cartridge and 2SR-BW Scale Inhibitor Cartridge provides the dealer with a profitable annuity, similar to that previously enjoyed with the Everpure MC² and XC² Replacement Cartridges, even if the customer moves to a 1x per year filter change-out cycle
- The system is easy to install and maintain, and the 2SR-BW Scale Inhibitor Cartridge is easier to replace than the traditional Everpure Scalestick®

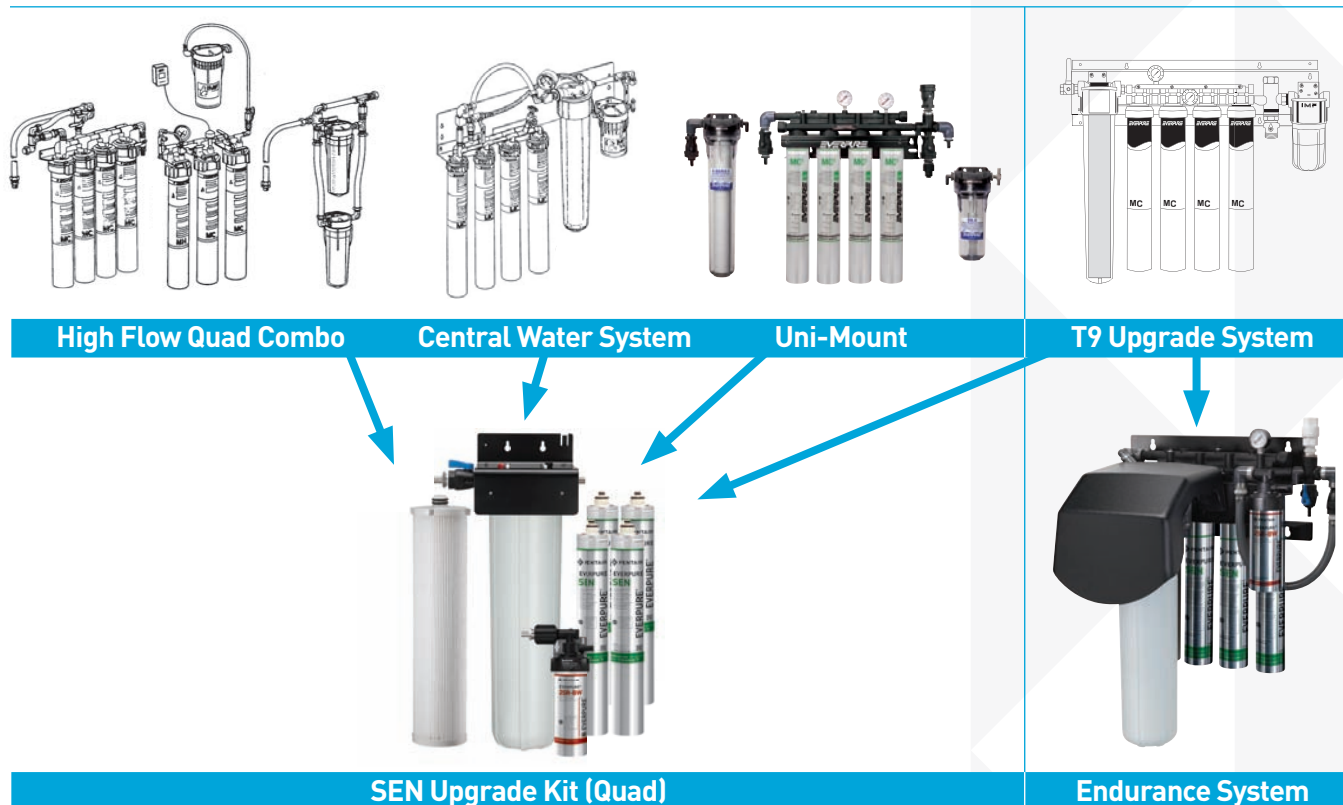
EVERPURE HIGH FLOW SYSTEM HISTORY



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WHEN TO USE THE SEN UPGRADE KIT VS INSTALLING A NEW EVERPURE ENDURANCE® HIGH FLOW SYSTEM

- Use the SEN Upgrade Kit for all locations where there is a pre-existing system that has the Everpure E-20 Prefilter Head and Housing, and an Everpure IMF or SR-X Scale Inhibitor Cartridge **not attached** to the Everpure High Flow Triple or Quad Manifold (applies to systems produced from 1981-1995, including the Pentair® Everpure High Flow Quad Combo, the Central Water System and the Uni-Mount System)
- For Everpure T9 Upgrade System (1995-2005) and the High Flow CSR Triple- or Quad-MC² (2005-), use the SEN Upgrade Kit if the E-20/IMF/SR-X heads and bowls can be removed from the manifold. If the prefilter and scale inhibitor cartridges cannot be removed, then either replace the clear bowls with opaque bowls and E110 Prefilters (K-Series or E-Series, see page 7), or replace the entire system with the Everpure Endurance High Flow System



CHOOSING BETWEEN THE 7FC AND THE SEN UPGRADE KIT

7FC



High Flow CSR Triple 7FC
EV9329-73
75,000 Gallon Capacity

High Flow CSR Quad 7FC
EV9329-74
100,000 Gallon Capacity

- For customers who require 75,000-100,000 gallons of ingredient water per year and have not experienced issues with frequent prefilter and carbon filter clogging due to high particulate in the tap water

- Each cartridge provides 25,000 gallons chemical capacity
- Prefilter is the E210 Cartridge which may need to be replaced more than 2x per year

SEN Upgrade Kit



SEN Upgrade Kit Triple
EV9437-60
150,000 Gallon Capacity

SEN Upgrade Kit Quad
EV9437-65
200,000 Gallon Capacity

- For customers who require 150,000-200,000 gallons of ingredient water per year
- And/or for customers who have high particulate in the tap water which may require more frequent prefilter and carbon changeouts than expected
- Each cartridge, when preceded by the PolyForm™ Microfilter Pleated Pretreatment Cartridge, provides 50,000 gallons chemical capacity

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SEN UPGRADE KIT FEATURES

NSF/ANSI Standard 42 Certified for Bacteriostatic Effects, Chlorine Reduction, Taste & Odor Reduction and Nominal Particulate, Class I

NSF Standard 53 Certified for Cyst and Turbidity Reduction*†

The Everpure PolyForm™ Microfilter Pleated Pretreatment Cartridge is engineered to uniformly trap particles down to as small as 0.65 micron by mechanical means.† With over 26 sq. ft. of surface area, you'll get long life out of your fine Everpure SEN Filters even in high particulate areas.

Footprint nearly the same as conventional Everpure High Flow CSR Systems

The Everpure 2SR-BW Scale Inhibitor Cartridge pairs perfectly with the industrial-strength PolyForm Microfilter Pleated Pretreatment Cartridge and high capacity SEN Cartridges, to give you an entire year of scale protection for your coffee and ice machines. The 2SR-BW Scale Inhibitor Cartridge has the scale inhibitor volume equivalent of 20 Everpure ScaleSticks®!

Everpure SEN Fibredyne™ Fine Filters combine sediment filtration down to 0.5 micron by mechanical means†, and chemical reduction of up to 50,000 gallons per each SEN Cartridge. Pentair's unique Fibredyne technology also provides excellent dirt-holding capacity.

*Cyst reduction by mechanical means.

†See individual system specification sheets for performance claims and FIFRA registration information.

EVERPURE® SEN UPGRADE KIT SELLING GUIDE

COMPETITIVE COMPARISONS



VZN-441V-T5

A.J. Antunes Vizion™ System VZN-441V-T5

- Self-cleaning ultrafiltration system that removes particles “33x finer than 0.5 micron-rated filters”. TAC (Template Assisted Crystallization) reduces lime scale by 96-98%. One carbon filter replacement per year
- NSF Certified to Standards 42 (Nominal Particulate Reduction, Class I) and 53 (Cyst Reduction, Turbidity Reduction)
- Micron Rating: 0.015
- Capacity: 60,000 gallons (227,124 L)
- System Flow Rate: 15 gpm (49.2 Lpm)
NOTE: NSF Certified to 13 gpm (49.2 Lpm)
- Media: Hollow Fiber Ultrafiltration + Carbon Block
- Required Electricity:
 - 100-240V
 - .08 Amp
 - Hertz 50/60
- Dimensions:
49.3" H x 32.75" W x 10.13" D
(125.22 cm H x 83.185 cm W x 25.73 cm D)

Comparison to the Pentair® Everpure SEN Upgrade Kit

- SEN Upgrade Kit does not require removal of the pre-existing Everpure Triple or Quad Manifold, allowing for a lower acquisition cost and easier installation versus installing a new system
- Requires power supply and drain that limits placement of system in the foodservice operation
- There is water waste due to flushing cycles with the Vizion system (up to 21,000 gallons per year), which can result in over \$150 per year in water and sewer charges
- Everpure SEN Upgrade Kit has no solenoids or control boxes, which means there is less likelihood of downtime due to system malfunctions
- Carbon and TAC scale control are bowl-based drop-in cartridges, not quick-change filters like the Everpure SEN and 2SR-BW Scale Inhibitor Cartridges
- Ultrafiltration membrane could fail without being detected, allowing dirt and cysts to enter the customer's ingredient water
- TAC system has a limiting service flow of 4 gpm (15.14 Lpm)
- 66% larger footprint than the Everpure Endurance High Flow System
- Vizion includes bypass, allowing untreated water to reach customers



DP390

3M® DP390 Filter System

- Combines chlorine taste & odor reduction with cyst, bacteria and sediment reduction
- NSF Certified to Standards 42 (Chlorine Reduction, Nominal Particulate Reduction, Class I, Taste & Odor Reduction) and 53 (Cyst Reduction, Turbidity Reduction)
- Micron Rating: 0.2
- Capacity: 162,000 gallons (613,235 L)
- System Flow Rate: 15 gpm (56.8 Lpm)
- Media: IMPACT media (bacteriostatic carbon block wrapped in a pleated membrane)
- Dimensions:
24.06" H x 29.31" W x 4.375" D
(61.11 cm H x 74.45 cm W x 11.11 cm D)

Comparison to the Everpure SEN Upgrade Kit

- SEN Upgrade Kit does not require removal of the pre-existing Everpure Triple or Quad Manifold, allowing for a lower acquisition cost and easier installation versus installing a new system
- No external pretreatment like the SEN Upgrade Kit. Fine filters must absorb 100% of incoming dirt, sediment and other particulates
- The capacity of the HF8-S is only 6 months, so it most likely will be on a different replacement cycle than the HF90 taste & odor filters
- The system has a lower capacity than the SEN Upgrade - Quad by nearly 40,000 gallons (151,416 L)
- Larger footprint than the SEN Upgrade Kit

EVERPURE® SEN UPGRADE KIT SELLING GUIDE

COMPETITIVE COMPARISONS (Continued)



QT-4

OptiPure® QT-4 Water Filter System

- Reduces particulate, cyst, bacteria and scale for ice machines
- NO NSF CERTIFICATIONS!
- Micron Rating: 5.0
- Capacity: 90,000 gallons (340,560 L)
- System Flow Rate: 9 gpm (34.0 Lpm)
- Media: IMPACT media with no carbon
- Dimensions:
21.5" H x 19.5" W x 8.125" D
(54.61 cm H x 49.53 cm W x 20.64 cm D)

Comparison to the Pentair® Everpure SEN Upgrade Kit

- SEN Upgrade Kit does not require removal of the pre-existing Everpure Triple or Quad Manifold, for easier installation over installing a new system
- 5 micron, vs 0.5 micron by mechanical means* for the SEN Upgrade Kit
- No NSF listing on the QT-4
- Fountain only, no scale inhibition. To add scale inhibition, the SX2-11 or SX2-12 systems with ScaleX2 would also need to be purchased
- SX2 Systems Flow Rates:
 - SX2-21: 1.0 gpm (3.8 Lpm)
 - SX2-22: 2.0 gpm (7.5 Lpm)
- The QT-4 9 gpm flow rate would only apply to cold side, with the SX2-22 limiting the flow rate on the hot side to only 2 gpm
- The QT-4 has no external pretreatment like the SEN Upgrade Kit. Fine filters must absorb 100% of incoming dirt, sediment and other particulates
- Capacity claim is for chemical reduction only. Dirt is likely to plug the filter before the chemical capacity has been used completely, wasting unused capacity
- The capacity of the QT-4 is less than half of the Endurance Quad
- No cyst rating – this could allow cysts such as *Cryptosporidium* and *Giardia* to cause waterborne diseases
- No bacteriostatic
- 9 gpm flow rate vs 15 gpm for the SEN Upgrade Quad



SMF IC620-2

Selecto™ Scientific SMF IC620-2

- Media: Hollow Carbon
- NSF Certified to Standards 42 (Chlorine Reduction, Nominal Particulate Reduction, Class I, Taste & Odor Reduction) and 53 (Cyst Reduction)
- Micron Rating: 0.5
- Capacity: 200,000 gallons (757,082 L)
- System Flow Rate: 10 gpm (37.9 Lpm)
- Media: "Hollow Carbon"
- Dimensions:
22" H x 29" W x 9" D
(55.88 cm H x 73.66 cm W x 22.86 cm D)

Comparison to the Everpure SEN Upgrade Kit

- SEN Upgrade Kit does not require removal of the pre-existing Everpure Triple or Quad Manifold, for easier installation over installing a new system
- Fountain only, no scale inhibition. To add scale inhibition, the ScaleOUT system would also need to be purchased. This only has a flow rate of 5.0 gpm (18.93 Lpm) and a capacity of 40,000 gallons (151,416 L). This poses two problems:
 - The ScaleOUT may have a shorter replacement cycle than the SMF system
 - ScaleOUT does not have an NSF listing
- The SMF IC has no external pretreatment like the SEN Upgrade Kit. Fine filters must absorb 100% of incoming dirt, sediment and other particulates
- Capacity claim is for chemical reduction only. Dirt is likely to plug the filter before the chemical capacity has been used completely, wasting unused capacity
- No bacteriostatic
- 10 gpm flow rate vs 15 gpm for the Endurance Quad



*See individual system specification sheets for performance claims and FIFRA registration information.

EVERPURE® SEN UPGRADE KIT SELLING GUIDE

PENTAIR® EVERPURE SEN UPGRADE KIT SPECIFICATIONS

Overall Dimensions:

20.75" H x 26" W x 18.7" D
(84.3 cm H x 66 cm W x 47.4 cm D)

Service Flow Rates:

Triple: 11.25 gpm (42.6 Lpm)

Quad: 15 gpm (56.8 Lpm)

Capacity:

Triple: 150,000 gallons (567,810 litres)

Quad: 200,000 gallons (757,082 litres)

Micron Rating: 0.5 by mechanical means*

Connections: ¾"

Pressure Requirements: 10-100 PSI
(0.7 – 6.9 bar), non-shock

Temperature: 35-100°F (2-38°C)

Electrical Power Supply: None required

Shipping Weight: 43 lbs (19.5 kg)

Operating Weight: 58.4 lbs (26.5 kg)

Pentair Everpure Endurance

Replacement Filter Kits:

Include the Everpure SEN Fibredyne™ Fine Filters, the 2SR-BW Scale Inhibitor Cartridge and the Everpure PolyForm™ Microfilter Pleated Pretreatment Cartridge

Triple SEN Upgrade Kit: EV9628-71

Quad SEN Upgrade Kit: EV9628-72

*See individual system specification sheets for performance claims and FIFRA registration information.



EVERPURE K-SERIES AND E-SERIES BOWLS FOR T9 UPGRADE SYSTEMS

- Everpure T9 Upgrade Systems (released between 1995-2005) have attached prefilter housings and Everpure IMF Scale Inhibitor (ScaleStick®) housings that may be difficult to remove due to rust or soldering
- Replacement parts are not available for these systems and the manifold could become damaged during removal of the left prefilter and right IMF heads

• The solution:

– IMF T9 systems (1995-2001)

Instead of removing the prefilter and IMF heads, replace the clear bowls with opaque 10" Everpure K-Series Bowls and insert a 10" Everpure E110 Cartridge in both housings

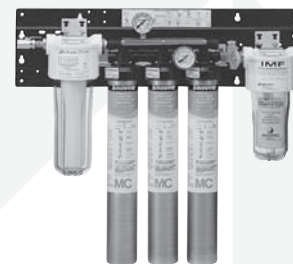


– SR-X T9 systems (2001-2005) and contemporary High Flow CSR Systems (2005-today)

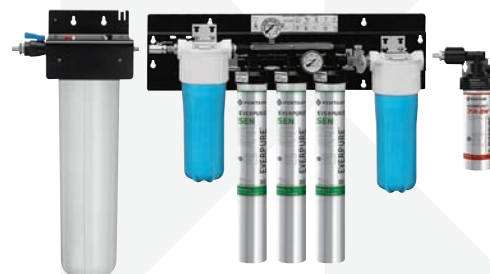
Instead of removing the E-20 prefilter and SR-X heads, replace the clear bowls with opaque 10" Everpure E-Series Bowls and insert a 10" Everpure E110 Cartridge in both housings



- These will allow the incoming water to properly flow through the system
- Change the E110 Cartridges on the normal change-out cycle with the Everpure SEN Fibredyne Fine Filters, Everpure PolyForm™ Microfilter Pleated Pretreatment Cartridge and the 2SR-BW Scale Inhibitor Cartridge



BEFORE
T9 High Flow System



AFTER
T9 High Flow System with SEN
Upgrade Kit and K-Series Bowls

EVERPURE® SEN UPGRADE KIT SELLING GUIDE

EVERPURE ENDURANCE® PRODUCTS



Shown: Endurance High Flow Quad System

Everpure Endurance High Flow System

- No water/energy waste
- One-year change on carbon and scale inhibitor
- Up to 200,000 gallon capacity
- Easy to install
- Twin, Triple and Quad models are available



Everpure SEN Upgrade Kit

- Easy upgrade for existing High Flow Systems
- Expands capacity up to 200,000 gallons
- One-year change-out on the Everpure SEN Fibredyne Fine Filters and the 2SR-BW Scale Inhibitor Cartridge
- Triple and Quad configurations available



Everpure Endurance SC System

- Self-cleaning ultrafiltration for high particulate locations
- Flushes on usage rather than time-based for efficiency
- Up to 200,000 gallon capacity
- Easy to install

MARKETING SUPPORT

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

- Sales Brochure
- Specification Sheet
- Quick Reference Guide
- Selling Deck
- Installation Video: <http://youtu.be/cPg-u-j8FG0>



FILTRATION & PROCESSING SOLUTIONS

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