



# Versa-Pure® AC3 Drinking Water Systems SELECTION / ORDERING GUIDE

AS9100, ISO 9001 and  
FAA Quality Certified  
Original Equipment &  
PMA Manufacturer

## How to select and order Versa-Pure AC3 Systems

Alternate configurations, including 2 GPM flow rates, quoted upon request.  
All systems are manufactured in the USA with AOG/Worldwide Availability.

Configurations are available to meet virtually any installation requirement. We offer **SAE AS 1656-1,2-08**, **SAE AS 1656-1,2-06**, **SAE AS 33514-6 flareless**, **SAE 37° - 6 flare ports** and **NPT combination thread fittings**. All configurations include an automatic venting and vacuum break port.

With little or no modification to aircraft plumbing and mounting, VERSA-PURE AC3 units can be installed in minutes. Select the part number for the housing (**2J**, **2H**, **2D** or **2RR**) that fits your configuration criteria.

Next select the cartridge type: **RSA3** purification; **SCA3** enhanced scale removal; or **TOA3** taste & odor removal. (Note: All Versa-Pure AC3 cartridges include backflow prevention and employ General Ecology's unique and proprietary "**Structured Matrix™**" construction providing uniform flow & no loose particles.) **(AV) automatic vent/vacuum break** is standard. For installations outside monuments we recommend the **(BV) Barbed automatic vent/vacuum break** which allows a small hose to be installed to divert inadvertent water release to an appropriate drain location. That's all there is to it: choose the six digit part number that includes the housing, cartridge and automatic vent configuration that best meets your requirements. **Please order systems by six digit part numbers.**

We produce the broadest range of housings, cartridges and ports in the industry. All aircraft water supplies *should be* properly chlorinated to reduce bacteria and biofilm formation. However, water sources may not always meet quality standards and water supplies can degrade during flights.

### RSA3 purification cartridge (PN773000)



independently certified to meet the **EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers** which addresses parasitic cysts, disease bacteria and viruses. RSA3 cartridges also excel in removing taste & odor and specific disinfection by-products resulting in "better than bottled" drinking water quality.

### SCA3 scale control cartridge (PN773500)



provide superb quality drinking water, remove chlorine, chlorine resistant Cryptosporidium cysts, and minimize scale buildup for better coffee taste and significantly reduce maintenance costs.

### TOA3 cartridge (PN773010)



excel in removing chlorine, specific chemicals, and many other tastes and odors and provide maximum capacity (rely on properly chlorinated water supply for microbiological protection). **Unique Feature:** trace amounts of chlorine, below taste and odor thresholds, rinse through TO cartridges to prevent bacteria buildup which can occur with ordinary filters.

### Versa-Pure AC3 Vents

AV - Auto Vent



BV - Barbed Auto Vent



Please consult with our aircraft systems engineers for assistance. Customized fittings/mountings will be considered and housings and cartridges can be ordered separately.

**General Ecology, Inc.** 151 Sheree Blvd., Exton, PA 19341

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| HOUSING                                                                                         | CARTRIDGE | VENT | SYSTEM PART NUMBER |
|-------------------------------------------------------------------------------------------------|-----------|------|--------------------|
| <b>2J</b><br> | RSA3      | + AV | = pn773100         |
|                                                                                                 |           | + BV | = pn773101         |
|                                                                                                 | SCA3      | + AV | = pn773102         |
|                                                                                                 |           | + BV | = pn773103         |
|                                                                                                 | TOA3      | + AV | = pn773104         |
|                                                                                                 |           | + BV | = pn773105         |

SAE AS 1656-1,2-08 ports ("AV" Auto Vent pictured)

|                                                                                                 |      |      |            |
|-------------------------------------------------------------------------------------------------|------|------|------------|
| <b>2H</b><br> | RSA3 | + AV | = pn773110 |
|                                                                                                 |      | + BV | = pn773111 |
|                                                                                                 | SCA3 | + AV | = pn773112 |
|                                                                                                 |      | + BV | = pn773113 |
|                                                                                                 | TOA3 | + AV | = pn773114 |
|                                                                                                 |      | + BV | = pn773115 |

SAE AS 33514-6 Flareless ports ("AV" Auto Vent pictured)

|                                                                                                  |      |      |            |
|--------------------------------------------------------------------------------------------------|------|------|------------|
| <b>2D</b><br> | RSA3 | + AV | = pn773120 |
|                                                                                                  |      | + BV | = pn773121 |
|                                                                                                  | SCA3 | + AV | = pn773122 |
|                                                                                                  |      | + BV | = pn773123 |
|                                                                                                  | TOA3 | + AV | = pn773124 |
|                                                                                                  |      | + BV | = pn773125 |

SAE 37° - 6 Flare ports ("AV" Auto Vent pictured)

|                                                                                                    |      |      |            |
|----------------------------------------------------------------------------------------------------|------|------|------------|
| <b>2RR</b><br> | RSA3 | + AV | = pn773250 |
|                                                                                                    |      | + BV | = pn773251 |
|                                                                                                    | SCA3 | + AV | = pn773252 |
|                                                                                                    |      | + BV | = pn773253 |
|                                                                                                    | TOA3 | + AV | = pn773254 |
|                                                                                                    |      | + BV | = pn773255 |

3/8" NPT male thread and 1/4" NPT female thread combination fittings. Inlet 34° from vertical ("AV" Auto Vent pictured)

### Shipping Weight (nominal)

|                                    |                            |
|------------------------------------|----------------------------|
| Unit Weight (less cartridge) ..... | 0.9kg (1.9lbs)             |
| Cartridge Weight (average) .....   | 0.5kg (1.1lbs)             |
| System Master Case (10) .....      | 15kg (34lbs), 2.546 cu ft  |
| Cartridge Master Case (25).....    | 13.6kg (30lbs), 1.34 cu ft |

**1-610-363-7900** 8:00 am - 4:30 pm eastern time,  
for more information, additional configurations, pricing, or to place an order.

General Ecology's Standard Terms and Conditions apply. Prices, terms, specifications and Conditions of Sale are subject to change without notice. General Ecology's "Standard Conditions of Sale" are hereby incorporated into these terms. This list supersedes all previous versions.

# Versa-Pure® AC3 Replacement Cartridge Selection Guide

Choose Your Cartridge by Matching the Features Needed

**General Ecology, Inc.  
Replacement Cartridges  
for Versa-Pure AC3  
Drinking Water Systems**

**RSA3**



**SCA3**



**TOA3**



This Selection Guide will help decide which General Ecology, Inc. Cartridge best answers your replacement needs.

Versa-Pure AC3 cartridges are supplied with O-ring and antimicrobial face seals already installed to assure seal interface integrity.

You can order genuine Versa-Pure® AC3 Replacement Cartridges by either calling 610-363-7900, faxing 610-363-0412, or by emailing [info@generalecology.com](mailto:info@generalecology.com)

7/24/365 coverage worldwide is provided by General Ecology, Inc. authorized distributors, please inquire.

**Always order by 6 digit numeric part numbers.**

\* Performance may vary according to influent water quality.

\*\* Independently certified to meet EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers against bacteria, cysts and viruses.

For cold water use only.

### Shipping Weight

Average Cartridge Weight ..... 0.5 kg (1 lb)  
Master Case (25 each) ..... 13.6 kg (30 lbs)

| Primary Cartridge Feature          | **Purification                  | Scale Removal                   | Taste & Odor                    |
|------------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Part Number                        | 773000                          | 773500                          | 773010                          |
| Alpha Numeric Description          | RSA3                            | SCA3                            | TOA3                            |
| Flow Rate                          | 1 gpm                           | 1 gpm                           | 1 gpm                           |
| Pressure Drop at Rated Flow        | 25 psi                          | 10 psi                          | 3 psi                           |
| Pressure Drop at 2 Liters/min Flow | 12 psi                          | 5 psi                           | 1.5 psi                         |
| Nominal Capacity*                  | 3,785 liters<br>1,000 gallons   | 7,570 liters<br>2,000 gallons   | 14,383 liters<br>3,800 gallons  |
| Maximum Operating Temperatures     | 38°C / 100°F                    | 38°C / 100°F                    | 38°C / 100°F                    |
| Survival Temperatures              | -55°C to 95°C<br>-67°F to 203°F | -55°C to 95°C<br>-67°F to 203°F | -55°C to 95°C<br>-67°F to 203°F |
| Dry Weight                         | 0.41kg / 0.90lb                 | 0.47kg / 1.03lb                 | 0.54kg / 1.19lb                 |

### Performance

|                           |            |          |           |
|---------------------------|------------|----------|-----------|
| Particle Retention Rating | 0.4 micron | 3 micron | 20 micron |
| Bacteria**                | ✓          |          |           |
| Cysts**                   | ✓          | ✓        |           |
| Viruses**                 | ✓          |          |           |
| Specific Chemicals        | ✓          | ✓        | ✓         |
| Chlorine                  | ✓          | ✓        | ✓         |
| Foul Taste/Odor           | ✓          | ✓        | ✓         |
| Scale Control             |            | ✓        |           |

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