

## PTI Launches Potable Water Cartridges for Aircraft

PTI is pleased to introduce highly engineered potable drinking water cartridges which are certified by NSF® to NSF/ANSI Standard 42 for material safety. In addition, all of the cartridges have been independently tested for chlorine reduction per NSF/ANSI Standard 42 and where applicable for cyst, virus and bacteria reduction using criteria from the NSF/ANSI Standard 53 and NSF P231 protocol. This ensures presence of clean, good-tasting drinking water at ALL times.

### Features

- Filter cartridges with NSF/ANSI Standard 42 material safety certification assure that the materials of construction will not impart contaminants in the effluent drinking water. Independent NSF/ANSI Standard 42 chlorine reduction testing assures aesthetically pleasing tasting water.
- Filter cartridges with cyst reduction testing provide an extra barrier of protection from health-related contaminants like parasitic protozoan cysts that may be present in public or private drinking water. These cartridges minimize exposure to microbiological, chemical or particulate contaminants that might be hazardous to your health.
- Filter cartridges with bacteria / virus protection provide microbiological protection against bacteria, viruses and other harmful substances.

### Benefits

- PTI filter cartridges are direct replacements for major OEM part numbers (see tables) and provide enhanced performance and technological benefits.
- PTI filter cartridges are certified by internationally renowned NSF® International. Certified products assure our customers that the products we sell are as safe as possible to the end user.
- PTI antiscaling catalytic granules improve the quality of water stabilizing free chlorine disinfectant residuals while giving cleaner, healthier, scale reduced water.
- PTI water cartridges play a critical role in protecting against waterborne infectious diseases by providing the best chlorination results that always exceed NSF® guidelines.

### ***What Is Certification?***

Certification is an approval process that products undergo indicating that product has met design, material and performance requirements specified by National Standards. Certification includes extensive product testing and unannounced audits of production/manufacturing facilities. Certification is performed by non-governmental agencies conducting tests that verify that the products meet recognized standards.

### ***What does Certification mean?***

Certification by NSF indicates a product is safe, effective and can perform to the specific standard when used for its designed purpose. Certification validates safety and effectiveness of a product when it is used for the purpose for which it is intended.

Water quality is important to health and PTI.

### **Benefits**

- Virus, bacteria and cyst removal
- Chemical contaminant reduction
- Taste and odor improvement
- Antiscaling



### PTI Potable Water Cartridge Test Data

TEST STANDARD	REQUIREMENT	OEM PART NO.	PTI REPLACEMENT PART NO.
		770006 (AL-21SG)	7600203 -101
NSF/ANSI 42 (Chlorine Reduction)	≥50%	33%	68%
Cyst Reduction (Parasitic Contaminant Removal Efficacy)	≥99.95%	99.90%	99.96%

TEST STANDARD	REQUIREMENT	OEM PART NO.	PTI REPLACEMENT PART NO.
		770020 (AL-15G)	7600200 -101
NSF/ANSI 42 (Chlorine Reduction)	≥50%	48%	65%
Cyst Reduction (Parasitic Contaminant Removal Efficacy)	≥99.95%	99.94%	99.97%

TEST STANDARD	REQUIREMENT	OEM PART NO.	PTI REPLACEMENT PART NO.
		EV9498-12 (150B)	7600201 -101
NSF/ANSI 42 (Chlorine Reduction)	≥50%	99%	99%

TEST STANDARD	REQUIREMENT	OEM PART NO.	PTI REPLACEMENT PART NO.
		EV9490-00 (150G)	7600202 -101
NSF/ANSI 42 (Chlorine Reduction)	≥50%	74.3%	92.7%

TEST STANDARD	REQUIREMENT	OEM PART NO.	PTI REPLACEMENT PART NO.
		778000 (RS-1SG)	7600204 -101 7600205-101*
NSF/ANSI 42 (Chlorine Reduction)	≥50%	98.5%	99.5%
Cyst Reduction (Parasitic Contaminant Removal Efficacy)	≥99.95%	99.99%	99.99%
Bacteria / Virus Reduction (Microbiological Efficacy)	≥99.9999% for Bacteria	99.9997%	99.99993%
	≥99.99% for Virus	99.9993%	99.99992%

\* 7600205-101 is an improved version of 778000 (RS-1SG) providing antiscaling properties

NSF 42 results show that PTI Potable water cartridges have higher level of chlorine reduction than the competitor which means that our cartridges will provide better tasting water.

Cyst, Bacteria and Virus results show that PTI Potable water cartridges have higher parasitic and microbiological contaminant removal efficacy than the competitor.

Note all OEM testing was performed on cartridges purchased openly at the time of the testing.



*NSF International is a global independent public health and environmental organization that provides standards development, product certification, testing, auditing, education and risk management services for public health and the environment.*