

# Performance Data Sheet

Model: AP8000

Use Replacement Cartridge: AP8112

**Important Notice:** Read this Performance Data Sheet to understand this system's capabilities and confirm whether it meets your water treatment needs. Check your incoming water quality and determine your treatment needs by getting your water tested and/or contacting your local water authority.

System has been tested in accordance with NSF/ANSI Standard 42, 53 and 401 for the reduction of substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42, 53 and 401.

| Substance                                               | Avg. influent concentration | NSF specified challenge concentration | Avg. % reductions | Avg. product water concentration | Max permissible product water concentration | NSF Reduction Requirements | NSF Test Report |
|---------------------------------------------------------|-----------------------------|---------------------------------------|-------------------|----------------------------------|---------------------------------------------|----------------------------|-----------------|
| Chlorine Taste & Odor                                   | 2.0 mg/L                    | 2.0 mg/L $\pm$ 10%                    | 97.5%             | 0.07 mg/L                        | N/A                                         | 50%                        | A-00433875      |
| Cyst Reduction*                                         | 160,000 oocysts/L           | $\geq$ 50,000 oocysts/L               | >99.99%           | 3.0 oocysts/L                    | N/A                                         | 99.95%                     | J-00273135      |
| Nominal Particulate Class 1, $\geq$ 0.5 to < 1.0 micron | 5,100,000 particles/mL      | $\geq$ 10,000 particles/mL            | 99.6%             | 34,000 particles/mL              | N/A                                         | 85%                        | J-00304379      |
| Microplastics                                           | 5,100,000 particles/mL      | $\geq$ 10,000 particles/mL            | 99.6%             | 34,000 particles/mL              | N/A                                         | 85%                        | J-00304379      |

\* Based on the use of *Cryptosporidium parvum* oocysts for testing.

## FOR RESIDENTIAL USE ONLY

| Application guidelines / water supply parameters |                                                 |
|--------------------------------------------------|-------------------------------------------------|
| Capacity                                         | 34, 069 litres (9000 gallons)                   |
| Service Flow                                     | 5.67 lpm (1.5 gpm)                              |
| Water Supply                                     | Public or private drinking water supply systems |
| Water Temperature                                | 4.4° C – 37.8° C (40° F – 100° F)               |
| Water Pressure                                   | 172 – 862 kPa (25 -125 psi)                     |

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See Installation Manual for Warranty information.

**NOTE:** While the testing was performed under standard laboratory conditions, actual performance may vary. Periodically, sanitize the plumbing system with an appropriate disinfectant to maintain the cleanliness of the plumbing lines downstream of the filter.

Flush 11.35 litres (3 gallons) through cartridge(s) before use (flush approximately 2 minutes).

| ⚠ WARNING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Read entire product manual. Failure to follow all product instructions could cause personal injury from exposure to contaminants and/or property damage due to water leakage or flooding.</b></p> <ul style="list-style-type: none"> <li>DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.</li> <li>This system does not remove all substances that could be present in drinking water. Test your incoming water quality to identify your treatment needs. After installation, test outgoing filtered water quality regularly to ensure system is installed correctly and meeting your treatment needs,</li> <li>DO NOT use product if it has been hit, dropped, or damaged.</li> <li>Before using a new filter cartridge, or whenever system has not been used for more than 72 hours, flush the cartridge with water according to this Performance Data Sheet.</li> <li>REPLACE FILTER CARTRIDGE no later than every 12 months. If the rated gallon capacity is reached or a noticeable reduction in flow rate, change in odor or taste occurs before 12 months of use, then replace filter promptly. Failure to replace filter cartridge according to these instructions may result in failure of filter to reduce contaminants as designed AND/OR property damage due to water leakage or flooding.</li> </ul> |
| NOTICE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <p><b>Read entire product manual. Failure to follow all product instructions could cause property damage due to water leakage or flooding:</b></p> <ul style="list-style-type: none"> <li>System installation and use must comply with all state and local regulations and plumbing codes.</li> <li>If your water supply pressure is higher than 80 psi, you must install a pressure reducing valve before installing system.</li> <li>Protect from freezing. Remove filter cartridge if temperature may drop below 40° F (4.4° C).</li> <li>REPLACE FILTER CARTRIDGE no later than every 12 months or sooner. Failure to replace the filter cartridge at the required time may lead to property damage due to water leakage or flooding.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Treatment and Tests – Table

System is WaterMark certified to the requirements of drinking water treatment system Standard AS 3497 for the following water treatment category/categories.



| Treatment type                                                 | Description                                                                                                                                                                 | Category | Pass |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|
| <b>Microbiological status</b>                                  |                                                                                                                                                                             |          |      |
| <b>Bacteriostatic</b>                                          | Will stop bacteria increasing but will not remove them unless Category II(a) is passed                                                                                      | I        | N/A  |
| <b>Microbiological treatment</b>                               |                                                                                                                                                                             |          | N/A  |
| <b>Bacteria removal</b>                                        | Will remove or inactivate bacteria                                                                                                                                          | II(a)    | N/A  |
| <b>Virus removal</b>                                           | Will remove or inactivate viruses                                                                                                                                           | II(b)    | N/A  |
| <b>Protozoa removal</b>                                        | Will remove or inactivate <i>Cryptosporidium</i> and <i>Giardia</i> . Will not remove or inactivate bacteria or viruses unless Category II(a) and Category II(b) are passed | II(c)    | ✓    |
| <b>Aesthetic effects</b>                                       |                                                                                                                                                                             |          |      |
| <b>Turbidity and particulate removal</b>                       | Reduces cloudiness                                                                                                                                                          | III      | ✓    |
| <b>Taste and Odour reduction</b>                               | Reduces tastes and odours                                                                                                                                                   | IV       | ✓    |
| <b>Chemical treatment</b>                                      |                                                                                                                                                                             |          |      |
| <b>Chemical contaminant reduction</b>                          | Will decrease chlorine<br>Will decrease microplastics                                                                                                                       | V        | ✓    |
| <b>Other</b>                                                   |                                                                                                                                                                             |          |      |
| <b>Other treatment types not captured in Categories I to V</b> | -                                                                                                                                                                           | VI       | N/A  |

Legend

✓ = Pass Test

N/A = Not Applicable



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