INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

MATERIAL AND PROPERTY STANDARD

FOR

AIRGAP UNITS FOR WATER CONDITIONING EQUIPMENT INSTALLATION

IAPMO PS 65-2002

1. PURPOSE

1.1 The purpose of this standard is to establish a generally acceptable standard for airgap units for water conditioning equipment installations. Its purpose is to serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors and users; to promote understanding regarding materials, manufacture and installation; and to provide for identifying airgap units for water conditioning equipment installations complying with this standard.

1.2 The provisions of this standard are not intended to prevent the use of any alternate material or method of construction provided any such alternate meets the intent of this Standard.

2. SCOPE

2.1 Airgap units covered by this standard are intended to function while satisfying the Uniform Plumbing Code requirement when manufactured, tested, selected and installed per the manufacturer's instructions into water treatment system drain lines.

2.2 Airgap units with standard inlet and outlet ports also may be integrated into other larger housings or product sub assemblies wherein they are required to perform the same airgap functions. This shall be acceptable so long as the contained airgap units meet the requirements of this standard.

3. GENERAL REQUIREMENTS

3.1 The airgap unit design, material used, model and size shall be suitable for the intended system installation and the environment including also sunlight or outdoor installations if applicable. The units shall be capable of withstanding the stresses of handling, shipping and normal installation. Units shall be made of approved materials. Dissimilar metals shall not be in contact. All materials coming in contact with potable water shall be non-toxic and shall comply with NSF 61.

3.2 Units shall exhibit good workmanship and finish. They shall be free of flash, burrs, or defects that would affect performance or serviceability.

3.3 Airgaps shall be accessible after they are installed.

4. DETAIL REQUIREMENTS

4.1 Each unique airgap unit shall be flow tested by the manufacturer initially and their respective product performance data sheets shall reflect a "Recommended Maximum" flow capability that is no greater than 65% of the "Actual Tested Maximum Flow Rate Capability" for the exact same units.

4.2 Port Designations