

**INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS**

IAPMO GUIDE CRITERIA

FOR

COMBINATION RESIDENTIAL DISHWASHER/SINK UNITS

IGC 169-2002 (R2013)

1. PURPOSE

- 1.1** The purpose of this standard is to establish an acceptable standard for combination residential dishwasher/sink units. Combination residential dishwasher/sink units are comprised of a multiple bowl sink with an integral dishwasher and are intended for residential use only. This standard is intended 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 combination residential dishwasher/sink units that conform 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 or exceeds the intent of this standard.

2. SCOPE

- 2.1** This standard covers, general requirements, test requirements, and marking and identification for combination residential dishwasher/sink units.

3. REFERENCED STANDARDS

- 3.1** All standards referenced herein shall be the current edition of that standard as published in Table 14-1 of the Uniform Plumbing Code.

AHAM DW 1	Household Electric Dishwashers
ASME A112.19.3	Stainless Steel Plumbing Fixtures (Designed for Residential Use)
ASSE 1006/AHAM DW 2PR	Household Dishwashers
IAPMO PS 23	Dishwasher Drain Air Gaps
UL 749	Household Dishwashers

4. GENERAL REQUIREMENTS

- 4.1 Description.** Combination residential dishwasher/sink units shall consist of a multiple

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bowl sink, a dishwasher, air gap arrangements for the inlet and outlet of the dishwasher, and related hoses and fittings.

- 4.1.1 Sink.** Multiple compartment stainless steel sinks shall comply with ASME A112.19.3. A special outlet designed to accommodate the dishwasher shall be permitted.
- 4.1.2 Dishwasher.** Dishwashers shall comply with UL 749. Water supply backflow protection on dishwashers shall comply with ASSE 1006/AHAM DW 2PR. The dishwasher device tub shall be permitted to be plugged with a stopper device when using it as a dishwasher. The stopper device shall manually lock in place and withstand a 1.5 psi back pressure when tested in accordance with section 5.1.
- 4.1.3 Hoses.** All hoses shall comply with the requirements of AHAM DW 1. All hoses shall have a smooth internal bore.

5. TESTING REQUIREMENTS

- 5.1 Stopper Device Back Pressure Test** – Install the combination residential dishwasher/sink unit in accordance with the manufacturer's installation instructions. Install a pressure indicator and a valve downstream of the stopper device. Fill the outlet drain line below the stopper with water at $65^{\circ}\text{F} \pm 5^{\circ}\text{F}$ and purge all air from the system. Lock the stopper device in place in the dishwasher device tub. Pressurize the drain line to 1.5 psi and close the valve. Leave the valve closed for 30 minutes.
- 5.1.1 Performance Requirement** – The stopper device shall show no signs of leakage and shall maintain the pressure at 1.5 psi for 30 minutes. Any leakage from the stopper device or any drop in pressure shall be considered a failure.

6. MARKING AND IDENTIFICATION

- 6.1 Markings.** The combination residential dishwasher/sink unit shall be permanently and legibly marked with the following designations so as to be visible after installation:
 - (a) Manufacturer's name or trademark;
 - (b) Model number or designation.
- 5.2 Installation Instructions.** Installation instructions for the combination residential dishwasher/sink units shall include requirements for proper installation of the assembly and state that separate p-traps are required for each sink compartment.

Adopted: January 2002
Reaffirmed: December 2013