

**INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS**

**IAPMO GUIDE CRITERIA
FOR**

AIR GAP DRAINS FOR COMMERCIAL KITCHEN SINKS

IGC 138-99 (R2013)

1. PURPOSE

- 1.1** The purpose of this IGC is to provide the minimum design criteria for air gap drains for commercial kitchen sinks. This IGC is not intended to be a specification guide nor is it intended to restrict design.

2. SCOPE

- 2.1** This Interim Guide Criteria (IGC) applies to air gap drains for commercial kitchen sinks. This IGC covers definitions, materials and finishes, general requirements, strength requirements, and descriptive details for such products.

3.0 DEFINITIONS

- 3.1** **Air Gap Drain for Commercial Kitchen Sinks** - a trough which is installed on the discharge of a commercial kitchen sink and which is designed to convey the sink discharges to a grease interception device, while maintaining the integrity of the sink compartments.

4.0 GENERAL REQUIREMENTS

- 4.1** **Sizes.** The device shall be capable of spanning the length of the sinks being serviced.
- 4.2** **Flowways.** The internal flowways of the trap shall be free from burrs and obstructions.
- 4.3** **Materials.** The materials shall be 300 or 400 series stainless steel, copper or other corrosion resistant material.
- 4.4** **Minimum Slope.** The installation instructions for the drain shall require a minimum slope of 1/4 inch per foot.

5.0 TESTING REQUIREMENTS

- 5.1** **Discharge Test.**

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- 5.1.1 Test Method.** The device shall be installed on a three compartment sink per manufacturer's instructions. Fill the three compartment sink with water to the flood level. The stopper in all sink compartments shall be opened and the device shall be inspected during the discharge period for signs of spillage from any place other than the outlet.
- 5.1 Performance Requirement.** Any sign of leakage other than from the outlet shall be cause for rejection.
- 5.2 Sink Integrity Test.** The device shall be installed on a three compartment sink per manufacturer's instructions. Each compartment in the three compartment sink shall be separately filled with water to a height of six inches while the other two compartments are left empty. A colored dye shall be placed in the water. The water shall then be released and the adjacent compartment inspected for any signs of dye. After the test, the test sink compartment shall be rinsed and dried with an absorbent cloth. The test shall be conducted again on another compartment until all three compartments have been tested.
- 5.1.2 Performance Requirement.** Any sign of dye which appears in adjoining compartments shall be cause for rejection of the device.

6.0 MARKINGS

- 6.1** The device shall be marked with the following designations:
- (a) Manufacturer's name or trademark;
 - (b) Model number or designation.

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