

**INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS**

**IAPMO GUIDE CRITERIA
FOR**

**REMOVABLE AND NON-REMOVABLE
PUSH FIT FITTINGS**

IGC 188-2009

1. PURPOSE

- 1.1** The purpose of this standard is to establish a generally acceptable standard for removable and non-removable fittings that have a quick assembly push-fit mechanism that are used with various types of outside diameter controlled tubing. Push fit fittings can be used with PEX (ASTM F 876, ASTM F 877 or CSA B137.5), copper (ASTM B 88) and CPVC (ASTM D 2846 or CSA B137.6) tubing that conforms to the dimensions as specified in their respective standards.
- 1.2** The provisions of this standard are not intended to prevent the use of any alternate material or method of construction provided that any such alternate meets the intent of this standard.
- 1.3** The fittings described in this standard are intended for use in domestic and commercial applications, for both potable water distribution systems and hydronic heating systems. These fittings shall have a size range of 14 NTS to 2 NTS 6 DN to 50 DN and 14 CTS to 2 CTS 6 DN to 50 DN.

2. SCOPE

- 2.1** This standard serves to supplement ASTM F 877, ASTM D 2846, ASTM B88, CSA B137.5 and CSA B137.6 in describing a test method for a specific type of push-fit fitting system to be used with PEX tubing, copper tubing and CPVC tubing.
- 2.2** This standard covers minimum requirements for materials of construction and prescribes minimum performance requirements for fitting joints, and marking and identification requirements.
- 2.3** When using fittings with PEX tubing, a tube liner must be inserted into the end of the tubing prior to assembly of the tubing and fitting.