

**INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS**

IAPMO GUIDE CRITERIA

FOR

**CAST IN PLACE POLYETHYLENE LOW PRESSURE PIPE SEALS for OEM SEPTIC TANK and
DISTRIBUTION BOX APPLICATIONS**

IAPMO IGC 148-99 (R2013)

1. PURPOSE

- 1.1** The purpose of this standard is to establish a generally acceptable standard for Polyethylene Cast In Place Low Pressure Pipe Seals for Septic Tank and Distribution Box Applications. 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 a means for identifying Cast in Place Polyethylene Low Pressure Pipe Seals that comply with this IGC.
- 1.2** The provisions of this IGC 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 IGC.

2. SCOPE

- 2.1** This IGC covers materials, testing, dimensional, and performance requirements for Cast in Place Polyethylene Low Pressure Pipe Seals.

3. GENERAL REQUIREMENTS

- 3.1** Cast in Place Polyethylene Low Pressure Pipe Seals shall provide a low pressure, water tight seal for inlet and outlet pipes in precast concrete septic tanks and distribution boxes, when installed according to the manufacturer's installation instructions.
- 3.2** **Materials.** Cast in Place Polyethylene Low Pressure Pipe Seals shall be manufactured from L.L.D.P.E. (linear low density polyethylene) that meets the requirements of PE 113100A or PE 213100A as specified in ASTM D 3350-98a.
- 3.3** **Dimensions.** Cast in Place Polyethylene Low Pressure Pipe Seals shall comply with the following dimensional requirements.

overall diameter	5.5 inches
width	1.625 inches
wall thickness	0.040 inches

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individual tear-out thickness

0.020 inches

- 3.4 Ultraviolet Protection.** Cast in Place Polyethylene Low Pressure Pipe Seals shall be protected from damage by ultraviolet light.
- 3.5 Positioning Pins.** Cast in Place Polyethylene Low Pressure Pipe Seals shall have two male positioning pins on the front.

4. MARKING AND IDENTIFICATION

- 4.1** Cast in Place Polyethylene Low Pressure Pipe Seals shall be permanently and legibly marked with the following information:
- (a) pipe designation for 2", 3", 4", schedule 40 & corrugated pipe,
 - (b) manufacturer's name & trademark,
 - (c) all current patent numbers,
 - (d) the words:"THINK-UP OR DOWN" on the back.

Approved: August 1999
Reaffirmed: October 2013