

**NORTH CAROLINA DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH**

PIPE PENETRATION SEAL APPROVAL

Pipe Penetration Seal Approval Number: PS-10-R3

Issued To: Press-Seal Corporation
 2424 West State Blvd
 Fort Wayne, IN 46808
 www.press-seal.com

Contact: Brad Carpenter
 260-436-0521

For: Pipe penetration Cast-A-Seal Models 402 and 603, and PSX Direct Drive Models 8QRS and 9QRS

Date:	December 18, 1998	Cast-A-Seal Models 402, 603, and 743
	August 30, 2011	Models 8QRS and 9QRS PSX Direct Drive
	December 31, 2024	Updated for 18E and renewed for 2025
	December 31, 2025	Renewed for 2026

In accordance with G.S. 130A-335 and 130A-335.1, and 15A NCAC 18E .1404 and .1405, an application by Press-Seal Corporation for renewal of their approval for pipe penetration seals has been reviewed and approved when the following requirements are met.

I. Description

Cast-A-Seal Models 402, 603 and 743 and PSX Direct Drive Models 8QRS and 9QRS shall be designed and manufactured in accordance with plans, specifications, and supporting documents provided by the manufacturer in their application for approval submitted to the On-Site Water Protection Branch, including all appurtenances. The On-Site Water Protection Branch shall be notified in writing of any modifications to the approved seals prior to their use in on-site wastewater systems.

II. Use

A tank manufacturer may use Cast-A-Seal or PSX Direct Drive pipe penetration seals in one or more of their approved septic tanks and pump tanks. All models can be used with both non-traffic rated and traffic rated tanks. The minimum wall thickness must be 2.5 inches.

Model 402 is designed to fit a four-inch or six-inch pipe and a three-inch pipe with an adapter. Model 603 is designed to fit a six-inch or eight-inch pipe.

Models 8QRS and 9QRS are designed to fit 1 ½-inch to 4-inch pipes. Model 8QRS is for 8-inch diameter openings and Model 9QRS is for 9-inch diameter openings.

III. Installation

The Cast-A-Seal Models must be cast in place for concrete septic tanks and pump tanks, using mandrels provided by the seal manufacturer placed in the tank form. The PSX Direct Drive connections shall be installed by the tank manufacturer in either pre-cast holes or cored holes in strict accordance with the seal manufacturer's specifications, using specified equipment for properly expanding the rings in place. For tanks made with materials other than concrete, a specific installation procedure and detail must be proposed by the tank manufacturer. The installer shall secure the pipe to the seal with stainless steel straps provided by the seal manufacturer.

Approved by: _____ Date: _____