

# Victaulic Strapless Thermometer Outlet

## Style 924



11.06



4 – 8"/DN100 - DN200



10"/DN250 and larger



Patented Design

### 1.0 PRODUCT DESCRIPTION

#### Available Sizes

- 4 – 8"/DN100 – DN200 for 6"/150 mm Bulb Length
- 10"/DN250 and larger for 6"/150 mm Bulb Length

#### Maximum Working Pressure

- 300 psi/2068 kPa/21 bar

#### Function

- Combines features of thermowell and strapless mechanical outlet to provide fast, easy connection
- Features a NPT (standard), UNEF (optional) or BSPP (optional) outlet connection
- Ideal for a variety of industrial glass thermometers with 6"/150 mm bulb length
- Streamlined-shaped probe reduces friction loss in the main
  - Provides 3"/80 mm of insertion length into the fluid
- Allows for 2 1/2"/73 mm of insulation and lagging

#### Outlet Connection: (specify choice)

- 3/4" female NPT connection
- 1 1/4" – 18 UNEF female connection
- 3/4" female BSPP connection (Available in Europe only)

### 2.0 CERTIFICATION/LISTINGS

Product designed and manufactured under Victaulic's Quality Management System, as certified by LPCB in accordance with ISO-9001:2008.

ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

System No.		Location	
Submitted By		Date	

Spec Section		Paragraph	
Approved		Date	



### 3.0 SPECIFICATIONS – MATERIAL

**Body and Nut:** Ductile iron conforming to ASTM A536, Grade 65-45-12.

**Body and Nut Coating:** Black alkyd enamel.

**Collar:** ASTM A569, hot rolled pickled and oiled steel, zinc electroplated per ASTM B633 FE/ZN 5, finish Type III.

**Seat/Liner: (specify choice<sup>1</sup>)**

**Grade “E” EPDM**

EPDM (Green stripe color code). Temperature range –30°F to +230°F/–34°C to +110°C. May be specified for hot water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. NOT COMPATIBLE FOR USE WITH PETROLEUM SERVICES OR STEAM SERVICES.

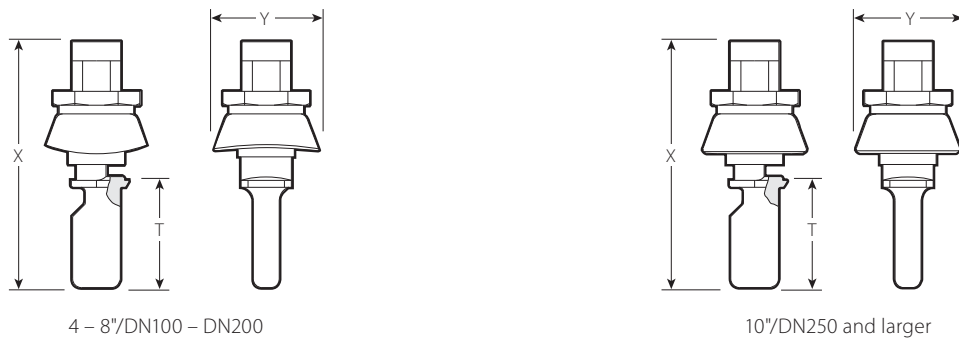
**Grade “T” Nitrile**

Nitrile (Orange stripe color code). Temperature range –20°F to +180°F/–29°C to +82°C. May be specified for petroleum products, hydrocarbons, air with oil vapors, vegetable and mineral oils within the specified temperature range; not compatible for hot dry air over +140°F/+60°C and water over +150°F/+66°C. NOT COMPATIBLE FOR USE WITH HOT WATER SERVICES OR STEAM SERVICES.

<sup>1</sup> Services listed are General Service Guidelines only. It should be noted that there are services for which these gaskets are not compatible. Reference should always be made to the latest [Victaulic Gasket Selection Guide](#) for specific gasket service guidelines and for a listing of services which are not compatible.

### 4.0 DIMENSIONS

#### Style 924 Strapless Thermometer Outlet



Size	Dimensions					Weight
	Hole Dimensions		Style 924 Dimensions			
	Hole Saw Size	Max. Permissible Diameter	T <sup>2</sup>	X	Y <sup>3</sup>	
Run inches DN	inches mm	inches mm	inches mm	inches mm	inches mm	lb kg
4 - 8" for 6" Bulb Length	1.50	1.56	3.00	7.09	3.09	2.4
DN100 - DN200 for 6" Bulb Length	38	40	76	180	78	1.1
10" and larger for 6" Bulb Length	1.50	1.56	3.00	7.09	3.09	2.3
DN250 and larger for 6" Bulb Length	38	40	76	180	78	1.0

<sup>2</sup> Inside wall of run to end of probe.

<sup>3</sup> Width of collar is as supplied, width assembled changes due to collar deformation at assembly.

## 5.0 PERFORMANCE

### Style 924 Strapless Thermometer Outlet







Size	Maximum Working Pressure <sup>4-5</sup>
Run inches DN	
4 - 8" for 6" Bulb Length	300
DN100 - DN200 for 6" Bulb Length	2068
10" and larger for 6" Bulb Length	300
DN250 and larger for 6" Bulb Length	2068

<sup>4</sup> Pressure rating for steel pipe minimum, 0.165"/4.2 mm, maximum 0.375"/9.5 mm wall. Not for use on Schedule 10 for 4 - 8"/DN100 - DN200 pipe. Pressure rating is 200 psi/1375 kPa for standard wall aluminum pipe.

<sup>5</sup> BSPP model requires the use of a face seal per ISO 228-1.

## 6.0 NOTIFICATIONS

**WARNING**

- Read and understand all instructions before attempting to install, remove, adjust, or maintain any Victaulic piping products.
- Depressurize and drain the piping system before attempting to install, remove, adjust, or maintain any Victaulic piping products.
- Wear safety glasses, hardhat, and foot protection.

**Failure to follow these instructions could result in death or serious personal injury and property damage.**

**DUE TO DEFORMATION OF THE COLLAR, THE VICTAULIC STYLE 924 STRAPLESS THERMOMETER OUTLET SHOULD NOT BE REUSED AFTER INITIAL INSTALLATION.**

## 7.0 REFERENCE MATERIALS

[I-100: Victaulic Field Installation Handbook](#)

### User Responsibility for Product Selection and Suitability

Each user bears final responsibility for making a determination as to the suitability of Victaulic products for a particular end-use application, in accordance with industry standards and project specifications, and the applicable building codes and related regulations as well as Victaulic performance, maintenance, safety, and warning instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, installation guide, or this disclaimer.

### Intellectual Property Rights

No statement contained herein concerning a possible or suggested use of any material, product, service, or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Victaulic or any of its subsidiaries or affiliates covering such use or design, or as a recommendation for the use of such material, product, service, or design in the infringement of any patent or other intellectual property right. The terms "Patented" or "Patent Pending" refer to design or utility patents or patent applications for articles and/or methods of use in the United States and/or other countries.

### Note

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

### Installation

Reference should always be made to the Victaulic installation handbook or installation instructions of the product you are installing. Handbooks are included with each shipment of Victaulic products, providing complete installation and assembly data, and are available in PDF format on our website at [www.victaulic.com](http://www.victaulic.com).

### Warranty

Refer to the Warranty section of the current Price List or contact Victaulic for details.

### Trademarks

*Victaulic* and all other Victaulic marks are the trademarks or registered trademarks of Victaulic Company, and/or its affiliated entities, in the U.S. and/or other countries.