

# Victaulic Strapless Outlet

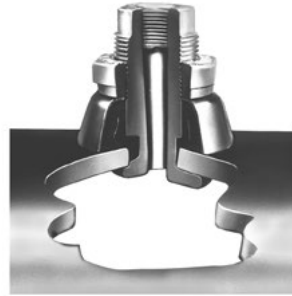
## Style 923



NPT & BSPT Models



BSPP Model



Patented Design

### 1.0 PRODUCT DESCRIPTION

#### Available Sizes

- 4 – 8”/DN100 – DN200
- 10”/DN250 and larger

#### Maximum Working Pressure

- 4 – 8”/DN100 – DN200: 300 psi/2068 kPa for Schedule 40 steel pipe
- 10”/DN250 and larger: 300 psi/2068 kPa for Schedules 10 and 40 steel pipe
- 4 – 12”/DN100 – DN300: UL/ULC Listed for fire protection services at 175 psi/1207 kPa

#### Function

- Provides fast, easy pipe outlet without the need for a strap or lower housing to wrap around the pipe
- Main body casting has an internal lug which inserts into a hole cut in the pipe and grips against the pipe's inside wall
- Tightened nut on the main body forces the gasket and containing collar against the pipe's outside surface, creating a rigid joint

### 2.0 CERTIFICATION/LISTINGS



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

**Housing:** Ductile iron conforming to ASTM A536, Grade 65-45-12, painted black. Ductile iron conforming to ASTM A395, Grade 65-45-15, is available upon special request.

**Collar:** Hot rolled, pickled and oiled steel, conforming to ASTM A569, zinc electroplated to ASTM B633.

**Bushing:** Brass per UNS C37700.

**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.

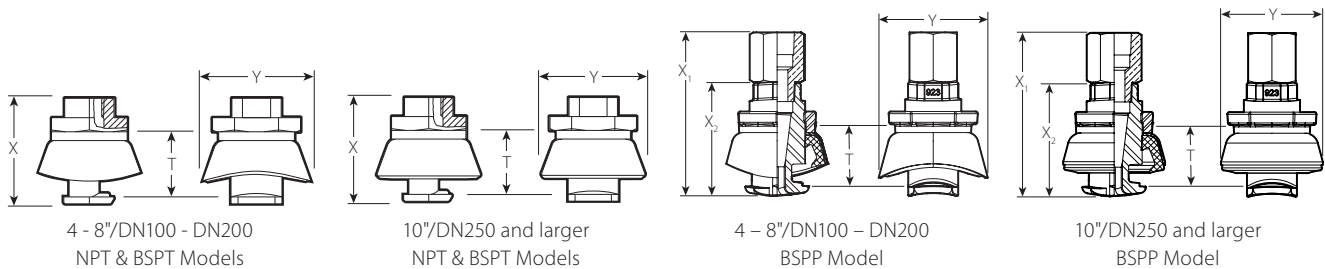
**Grade “T” Nitrile**

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 923 Strapless Outlet**



	Size		Dimensions					Weight				
	Nominal	Actual Outside Diameter	Hole Dimensions		Style 923 Dimensions				Approx. (Each)			
			Hole Saw Size	Max. Permissible Diameter	T <sup>3</sup>	X	X <sup>1</sup>			X <sup>2</sup>	Y <sup>4</sup>	
Run x Branch inches DN	Run x Branch inches mm	inches mm	inches mm	inches mm	inches mm	inches mm	inches mm	lb kg				
NPT & BSPT Models	4 - 8 DN100 - DN200 <sup>x</sup>	½ DN15	4.500 - 8.625	0.840	1.50	1.56	2.47	3.00	-	-	3.09	1.9
			114.3 - 219.1	21.3	38	40	63	76	-	-	78	0.9
				1.050	1.50	1.56	2.44	3.00	-	-	3.09	1.6
	10 and larger DN250 and larger <sup>x</sup>	½ DN15	10.750 and larger	0.840	1.50	1.56	2.47	3.00	-	-	3.00	1.9
			273.0 mm and larger	21.3	38	40	63	76	-	-	76	0.9
				1.050	1.50	1.56	2.44	3.00	-	-	3.00	1.6
			26.9	38	40	62	76	-	-	76	0.7	
BSPP Model	4 - 8 <sup>2</sup> DN100 - DN200 <sup>x</sup>	½ DN15	4.500 - 8.625	0.840	1.50	1.56	2.47	-	4.50	3.00	3.09	2.1
			114.3 - 219.1	21.3	38	40	63	-	114	76	78	1.0
				1.050	1.50	1.56	2.44	-	4.50	3.00	3.09	1.8
	10 and larger <sup>2</sup> DN250 and larger <sup>x</sup>	½ DN15	10.750 and larger	0.840	1.50	1.56	2.47	-	4.50	3.00	3.00	2.1
			273.0 mm and larger	21.3	38	40	63	-	114	76	76	1.0
				1.050	1.50	1.56	2.44	-	4.50	3.00	3.00	1.8
			26.9	38	40	62	-	114	76	76	0.8	

<sup>2</sup> BSPP outlet, with BSPT male x BSPP female threaded bushing  
<sup>3</sup> Inside wall of run to end of probe  
<sup>4</sup> Width of collar is as supplied, width assembled changes due to collar deformation at assembly.

## 5.0 PERFORMANCE

### Style 923 Strapless Outlet

Nominal Run x Branch inches DN		Actual Outside Diameter Run x Branch inches mm		Maximum Working Pressure <sup>5-7</sup> psi kPa
4 – 8 DN100 – DN200	1/2 DN15	4.500 – 8.625 114.3 – 219.1	0.840 21.3	300 2068
	3/4 DN20		1.050 26.9	300 2068
	10 and larger DN250 and larger		0.840 21.3	300 2068
10 and larger DN250 and larger	1/2 DN15	10.750 and larger 273.0 mm and larger	0.840 21.3	300 2068
	3/4 DN20		1.050 26.9	300 2068

<sup>5</sup> On 4 – 8”/DN100 - DN200 Schedule 40 pipe and 10”/DN250 and larger Schedules 10 – 40 pipe.

<sup>6</sup> Pressure rating is for Style 923 outlet only. Pipe used must also be rated at this pressure or higher.

<sup>7</sup> BSPP model requires the use of a face seal per ISO 228-1.

#### NOTES

- Flow area equivalent to 3/4”/20 mm pipe. Accepts 7/16”/11 mm diameter pipe.
- Style 923 provides flow characteristics in accordance with UL-213.

## 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 923 STRAPLESS OUTLET SHOULD NOT BE RE-USED 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.

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#### 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.

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