

# Victaulic® FireLock™ Outlet-T

## Style 922



### 1.0 PRODUCT DESCRIPTION

#### Available Sizes

- 1 ¼ – 2 ½"/DN32 – DN65
- **Threaded Outlet Sizes:** ½"/DN15, ¾"/DN20, and 1"/DN25

#### NOTE

- IGS Grooved 1"/DN25 Outlets available for this product. See [publication 10.54](#).

#### Maximum Working Pressure

- 300 psi/2068 kPa/21 Bar

#### Application

- Provides a convenient method of incorporating outlets for directly connecting sprinklers, drop nipples, sprigs, gauges, drains and other outlet products

#### Pipe Material

- Carbon steel
- Contact Victaulic for use on additional pipe types and wall thicknesses

### 2.0 CERTIFICATION/LISTINGS



#### NOTES

- See Section 7.2 REFERENCE MATERIALS for additional certification information.

**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

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

**Housing Coating: (specify choice)**

Orange enamel (North America, Latin America, Asia Pacific).

Red enamel (Europe).

Optional: Contact Victaulic with your requirements for other coatings.

**Gasket<sup>1</sup>:**

**Grade "E" EPDM (Type A)**

EPDM (Violet color code) Applicable for wet and dry (oil-free air) sprinkler services only. Listed/Approved for continuous use in wet and dry systems. Listed/Approved for dry systems at -40°F/-40°C and above. NOT COMPATIBLE FOR USE WITH HOT WATER SERVICES OR STEAM SERVICES.

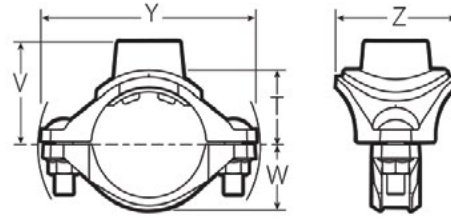
<sup>1</sup> Services listed are General Service Guidelines only. It should be noted that there are services for which these gaskets are not compatible. Reference should always be made to the latest [Victaulic Seal Selection Guide](#) for specific gasket service guidelines and for a listing of services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

**Bolts/Nuts:**

Standard: Carbon steel oval neck track bolts meeting the mechanical property requirements of ASTM A449 (imperial) and ISO 898-1 Class 9.8 (metric). Carbon steel hex flange nuts meeting the mechanical property requirements of ASTM A563 Grade B (imperial – hex nuts) and ASTM A563M Class 9 (metric – hex nuts). Track bolts and hex flange nuts are zinc electroplated per ASTM B633 Fe/Zn 5, finish Type III (imperial) or Type II (metric).

## 4.0 DIMENSIONS

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Size				Bolt/Nut		Dimensions					Weight		
Nominal Run x Branch FPT <sup>2</sup>	inches DN	Actual Outside Diameter		Qty.	Size inches mm	T <sup>3</sup> inches mm	V inches mm	W inches mm	Y inches mm	Z inches mm	Approximate (Each)		
		inches	mm								lb	kg	
1 1/4 DN32	x	1/2 DN15	1.660 42.4	x	0.840 21.3	2	3/8 x 1 3/8	1.30 33	1.83 47	1.10 28	3.87 98	2.56 65	1
													0.5
													3/4 DN20
0.5													
1 DN25	x	1/2 DN15	1.900 48.3	x	0.840 21.3	2	3/8 x 1 3/8	1.42 36	1.95 50	1.22 31	4.08 104	2.56 65	1
													0.5
													3/4 DN20
0.5													
1 DN25	x	1/2 DN15	2.375 60.3	x	0.840 21.3	2	3/8 x 1 3/8	1.64 42	2.30 58	1.22 31	4.08 104	2.56 65	1
													0.6
													3/4 DN20
0.6													
1 DN25	x	1/2 DN15	2.875 73.0	x	0.840 21.3	2	3/8 x 1 3/8	1.88 48	2.54 65	1.46 37	4.60 117	2.56 65	2
													0.7
													3/4 DN20
0.6													
2 DN50	x	1/2 DN15	2.875 73.0	x	0.840 21.3	2	3/8 x 1 3/8	1.91 49	2.44 62	1.71 43	5.40 137	2.56 65	2
													0.7
													3/4 DN20
0.7													
1 DN25	x	1/2 DN15	3.000 76.1	x	0.840 21.3	2	3/8 x 1 3/8	2.13 54	2.79 71	1.71 43	5.40 137	2.56 65	2
													0.7
													3/4 DN20
0.7													
1 DN25	x	1/2 DN15	3.000 76.1	x	0.840 21.3	2	3/8 x 1 3/8	2.13 54	2.79 71	1.71 43	5.50 140	2.56 65	2
													0.8
													3/4 DN20
0.7													
1 DN25	x	1/2 DN15	3.000 76.1	x	0.840 21.3	2	3/8 x 1 3/8	2.13 54	2.79 71	1.71 43	5.50 140	2.56 65	2
													0.8
													3/4 DN20
0.8													

<sup>2</sup> Victaulic female threaded products are designed to accommodate standard NPT or BSPT (optional) male pipe threads only. Refer to the specific literature for these types of special male-threaded products for guidance and possible limitations for use. Failure to verify suitability in advance may result in assembly problems or leakage.

<sup>3</sup> Center of run to engaged pipe end for NPT threads (dimensions are approximate).

## 5.0 PERFORMANCE

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Run Size x Outlet Size inches DN	Equivalent Length of 1 inch Schedule 40 Steel Pipe (per UL 213, Section 16) (C=120) <sup>4</sup>	
	Threaded feet meters	Grooved <sup>5</sup> feet meters
1 ¼ x 1 DN32 x DN25	8.5 2.6	12.5 3.8
1 ½ x 1 DN40 x DN25	8.5 2.6	12.5 3.8
2 x 1 DN50 x DN25	8.5 2.6	12.5 3.8
2 ½ x 1 DN65 x DN25	8.5 2.6	12.5 3.8

<sup>4</sup> Hazen-Williams coefficient of friction is 120.

<sup>5</sup> 1" FireLock™ Innovative Groove System (IGS) outlet

## 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.**

## 7.0 REFERENCE MATERIALS

	Dimensions	
	Minimum Hole Diameter/ Hole Saw Size	Maximum Hole Diameter/ Hole Saw Size
	inches mm	inches mm
All Outlet Sizes	1 ⅜ 30	1 ¼ 32

## 7.1 REFERENCE MATERIALS

Size	Services Pressures per Regulatory Approvals and Listings <sup>6</sup>						
	Nominal inches DN	UL psi kPa	ULC psi kPa	FM psi kPa	VdS psi kPa	LPCB psi kPa	CNBOP psi kPa
1 ¼ x ½ DN32 X DN15	300 2068	300 2068	300 2068	300 2068	232 1600	232 1600	232 1600
1 ¼ x ¾ DN32 X DN20	300 2068	300 2068	300 2068	300 2068	232 1600	232 1600	232 1600
1 ¼ x 1 DN32 X DN25	300 2068	300 2068	300 2068	300 2068	232 1600	232 1600	232 1600
1 ½ x ½ DN40 X DN15	300 2068	300 2068	300 2068	300 2068	232 1600	232 1600	232 1600
1 ½ x ¾ DN40 X DN20	300 2068	300 2068	300 2068	300 2068	232 1600	232 1600	232 1600
1 ½ x 1 DN40 X DN25	300 2068	300 2068	300 2068	300 2068	232 1600	232 1600	232 1600
2 x ½ DN50 X DN15	300 2068	300 2068	300 2068	300 2068	232 1600	232 1600	232 1600
2 x ¾ DN50 X 20	300 2068	300 2068	300 2068	300 2068	232 1600	232 1600	232 1600
2 x 1 DN50 X DN25	300 2068	300 2068	300 2068	300 2068	232 1600	232 1600	232 1600
2 ½ x ½	300 2068	300 2068	300 2068	300 2068	232 1600	232 1600	232 1600
2 ½ x ¾	300 2068	300 2068	300 2068	300 2068	232 1600	232 1600	232 1600
2 ½ x 1	300 2068	300 2068	300 2068	300 2068	232 1600	232 1600	232 1600
DN65 X DN15	–	–	–	300 2068	232 1600	232 1600	232 1600
DN65 X DN20	–	–	–	300 2068	232 1600	232 1600	232 1600
DN65 X DN25	–	–	–	300 2068	232 1600	232 1600	232 1600

<sup>6</sup> Pressures listed in this chart are based upon standard wall pipe. Approved and Listed pressures may vary by pipe schedule.

### NOTE

- Consult regulatory agency websites for details and the most recent regulatory information.

## 7.2 REFERENCE MATERIALS

[05.01: Victaulic Seal Selection Guide](#)

[29.01: Victaulic Terms and Conditions of Sale](#)

[I-100: Installation Instructions](#)

[I-922: Installation Instructions FireLock™ Outlet-T](#)

### 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 WeChat.

### Warranty

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

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