Victaulic® FireLock™ Outlet-T
Style 922 and 922N

10.52



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 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 CERTIFICATIONS/LISTINGS

LPS 1186: Issue 3.1 Cert/LPCB Ref. 491a/27

EN 10311 CPR (EU) No. 305/2011

NOTE
- See Section 7.1 Reference Materials for additional certifications/listings information.

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

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3.0 SPECIFICATIONS - MATERIAL

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 coating
- ☐ Red coating (standard for EMEA-I and Asia Pacific)
- ☐ Optional: Contact Victaulic with your requirements for other coatings.
- ☐ Optional: Hot dipped galvanized

Gasket:

☐ **Grade "E" EPDM (Type A) Vic-Plus™ Pre-lubricated Gasket**

EPDM (Violet Color Code). Applicable for wet and dry (oil-free air) fire protection systems 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.

NOTES:

- Reference shall always be made to publication I-100, Victaulic Field Installation Handbook for gasket lubrication instructions.
- 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 publication 05.01, 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).

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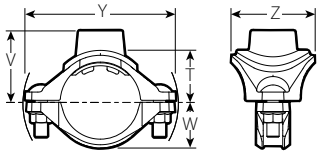
4.0 DIMENSIONS

Style 922 and 922N



Size						Style No.	Bolt/Nut		Dimensions					Weight
Nominal Run x Branch FPT[2] inches DN			Actual Outside Diameter inches mm				Qty.	Size inches mm	T[3] inches mm	V inches mm	W inches mm	Y inches mm	Z inches mm	Approximate (Each) lb kg
1 ¼ DN32	x	½ DN15	1.660 42.4	x	0.840 21.3	922	2	⅜ x 1 ⅜	1.25 32	1.88 48	1.13 29	4.00 102	2.50 64	1.0 0.5
		¾ DN20			1.050 26.9	922	2	⅜ x 1 ⅜	1.25 32	1.88 48	1.13 29	4.00 102	2.50 64	1.0 0.5
		1 DN25			1.315 33.7	922	2	⅜ x 1 ⅜	1.50 38	2.13 54	1.13 29	4.00 102	2.50 64	1.0 0.5
1 ½ DN40	x	½ DN15	1.900 48.3	x	0.840 21.3	922	2	⅜ x 1 ⅜	1.38 35	2.00 51	1.25 32	4.25 108	2.50 64	1.0 0.5
		¾ DN20			1.050 26.9	922	2	⅜ x 1 ⅜	1.38 35	2.00 51	1.25 32	4.25 108	2.50 64	1.0 0.5
		1 DN25			1.315 33.7	922	2	⅜ x 1 ⅜	1.63 41	2.25 57	1.25 32	4.25 108	2.50 64	1.0 0.5
2 DN50	x	½ DN15	2.375 60.3	x	0.840 21.3	922 or 922N	2	⅜ x 1 ⅜	1.63 41	2.25 57	1.50 38	4.75 121	2.75 70	1.0 0.5
		¾ DN20			1.050 26.9	922 or 922N	2	⅜ x 1 ⅜	1.63 41	2.25 57	1.50 38	4.75 121	2.75 70	1.0 0.5
		1 DN25			1.315 33.7	922 or 922N	2	⅜ x 1 ⅜	1.88 48	2.50 64	1.50 38	4.75 121	2.75 70	1.0 0.5
2 ½	x	½ DN15	2.875 73.0	x	0.840 21.3	922 or 922N	2	⅜ x 1 ⅜	1.88 48	2.50 64	1.75 44	5.50 140	2.75 70	2.0 0.9
		¾ DN20			1.050 26.9	922 or 922N	2	⅜ x 1 ⅜	1.88 48	2.50 64	1.75 44	5.50 140	2.75 70	2.0 0.9
		1 DN25			1.315 33.7	922 or 922N	2	⅜ x 1 ⅜	2.13 54	2.75 70	1.75 44	5.50 140	2.75 70	2.0 0.9
DN65	x	½ DN15	3.000 76.1	x	0.840 21.3	922 or 922N	2	⅜ x 1 ⅜	1.88 48	2.50 64	1.75 44	5.50 140	2.75 70	2.0 0.9
		¾ DN20			1.050 26.9	922 or 922N	2	⅜ x 1 ⅜	1.88 48	2.50 64	1.75 44	5.50 140	2.75 70	2.0 0.9
		1 DN25			1.315 33.7	922 or 922N	2	⅜ x 1 ⅜	2.13 54	2.75 70	1.75 44	5.50 140	2.75 70	2.0 0.9

[2] 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.

[3] Center of run to engaged pipe end for NPT threads (dimensions are approximate)

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5.0 PERFORMANCE

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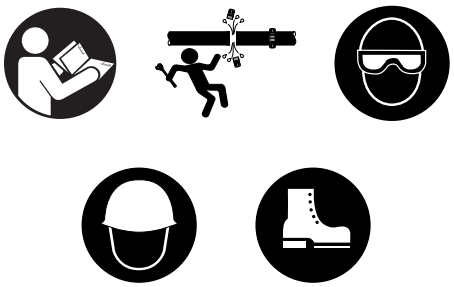
Run Size x Outlet Size inches DN			Equivalent Length of 1 inch Schedule 40 Steel Pipe (per UL 213, Section 17) (C=120)[4] feet meters
1 ¼ DN32	x	1 DN25	4.0 1.2
1 ½ DN40	x	1 DN25	4.0 1.2
2 DN50	x	1 DN25	5.0 1.5
2 ½	x	1 DN25	5.0 1.5
DN65	x	1 DN25	5.0 1.5

[4] Hazen-Williams coefficient of friction is 120.

6.0 NOTIFICATIONS

⚠ WARNING



- **Read and understand all instructions before attempting to install any Victaulic products.**
- **Always verify that the piping system has been completely depressurized and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.**
- **Confirm that any equipment, branch lines, or sections of piping that may have been isolated for/during testing or due to valve closures/positioning are identified, depressurized, and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.**
- **Wear safety glasses, hardhat, and foot protection.**

- **These products shall be used only in fire protection systems that are designed and installed in accordance with current, applicable National Fire Protection Association (NFPA) standards, or equivalent standards, and in accordance with applicable building and fire codes. These standards and codes contain important information regarding protection of systems from freezing temperatures, corrosion, mechanical damage, etc.**
- **The installer shall understand the use of this product and why it was specified for the particular application.**
- **The installer shall understand common industry safety standards and potential consequences of improper product installation.**
- **It is the system designer's responsibility to verify suitability of materials for use with the intended fluid media within the piping system and external environment.**
- **The material specifier shall evaluate the effect of chemical composition, pH level, operating temperature, chloride level, oxygen level, and flow rate on materials to confirm system life will be acceptable for the intended service.**

Failure to follow installation requirements and local and national codes and standards could compromise system integrity or cause system failure, resulting in death or serious personal injury and property damage.

7.0 REFERENCE MATERIALS

	Dimensions	
	Minimum Hole Diameter/ Hole Saw Size inches mm	Maximum Hole Diameter/ Hole Saw Size inches mm
All Style 922 Outlet Sizes	1 3⁄16 30	1 ¼ 32
All Style 922N Outlet Sizes	1 ½ 38	1 5⁄8 41

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7.1 REFERENCE MATERIALS

Style 922 Service Pressures Per Regulatory Approvals and Listings[5]

Size						cULus	FM	VdS	LPCB	CNBOP
Nominal Run x Branch FPT[2] inches DN			Actual Outside Diameter inches mm			psi kPa	psi kPa	psi kPa	psi kPa	psi kPa
1 ¼ DN32	x	½ DN15	1.660 42.4	x	0.840 21.3	300 2068	300 2068	232 1600	232 1600	232 1600
		¾ DN20			1.050 26.9	300 2068	300 2068	232 1600	232 1600	232 1600
		1 DN25			1.315 33.7	300 2068	300 2068	232 1600	232 1600	232 1600
1 ½ DN40	x	½ DN15	1.900 48.3	x	0.840 21.3	300 2068	300 2068	232 1600	232 1600	232 1600
		¾ DN20			1.050 26.9	300 2068	300 2068	232 1600	232 1600	232 1600
		1 DN25			1.315 33.7	300 2068	300 2068	232 1600	232 1600	232 1600
2 DN50	x	½ DN15	2.375 60.3	x	0.840 21.3	300 2068	300 2068	232 1600	232 1600	232 1600
		¾ DN20			1.050 26.9	– –	300 2068	232 1600	232 1600	232 1600
		1 DN25			1.315 33.7	– –	300 2068	232 1600	232 1600	232 1600
2 ½	x	½ DN15	2.875 73.0	x	0.840 21.3	300 2068	300 2068	232 1600	232 1600	232 1600
		¾ DN20			1.050 26.9	– –	300 2068	232 1600	232 1600	232 1600
		1 DN25			1.315 33.7	– –	300 2068	232 1600	232 1600	232 1600
DN65	x	½ DN15	3.000 76.1	x	0.840 21.3	300 2068	300 2068	232 1600	232 1600	232 1600
		¾ DN20			1.050 26.9	300 2068	300 2068	232 1600	232 1600	232 1600
		1 DN25			1.315 33.7	300 2068	300 2068	232 1600	232 1600	232 1600

[5] 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 approvals and listings.

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7.1 REFERENCE MATERIALS (CONTINUED)

Style 922N Service Pressures Per Regulatory Approvals and Listings[5]

Size						cULus	FM	VdS	LPCB
Nominal Run x Branch FPT[2]			Actual Outside Diameter						
inches DN			inches mm			psi kPa	psi kPa	psi kPa	psi kPa
2 DN50	x	½ DN15	2.375 60.3	x	0.840 21.3	300 2068	300 2068	300 2068	232 1600
		¾ DN20			1.050 26.9	300 2068	300 2068	300 2068	232 1600
		1 DN25			1.315 33.7	300 2068	300 2068	300 2068	232 1600
2½	x	½ DN15	2.875 73.0	x	0.840 21.3	300 2068	300 2068	300 2068	232 1600
		¾ DN20			1.050 26.9	300 2068	300 2068	300 2068	232 1600
		1 DN25			1.315 33.7	300 2068	300 2068	300 2068	232 1600
DN65	x	½ DN15	3.000 76.1	x	0.840 21.3	300 2068	300 2068	232 1600	232 1600
		¾ DN20			1.050 26.9	300 2068	300 2068	232 1600	232 1600
		1 DN25			1.315 33.7	300 2068	300 2068	232 1600	232 1600

[5] 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 approvals and listings.

7.2 REFERENCE MATERIALS

05.01: Victaulic Seal Selection Guide

29.01: Victaulic Terms and Conditions of Sale

I-100: Installation Instructions

I-922/922N: Installation Instructions FireLock™ Outlet-T

User Responsibility for Product Selection and Suitability

Each user bears final responsibility for determining the suitability of Victaulic products for their end-use application, in accordance with industry standards, project specifications, and Victaulic's published performance, maintenance, and safety data, as well as all warnings and installation 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, warranty, installation instructions, or this disclaimer.

Installation

Always refer to and follow the Victaulic Installation Handbook or installation instructions for 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 victaulic.com.

Warranty

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

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Note

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