

Victaulic® Strapless Outlet

Style 923



11.05



NPT & BSPT Models



BSPP Model



1.0 PRODUCT DESCRIPTION

Available Sizes

- 4 – 8"/DN100 – DN200 for use on pipe with nominal wall thickness ranging between 0.237 – 0.322"/6.0 – 8.2 mm
- 10"/DN250 and larger for use on pipe with nominal wall thickness ranging between 0.165 – 0.406"/4.2 – 10.3 mm

Maximum Working Pressure

- 300 psi/2068 kPa

Function

- Provides a pipe outlet without the need for a strap or lower housing to wrap around the pipe
- Main body casting has an internal lug that 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



EN 10311
CPR (EU)
No. 305/2011



BS EN 10311
CPR (UK)
2019 No. 465

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



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 choice¹)

☐ **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.

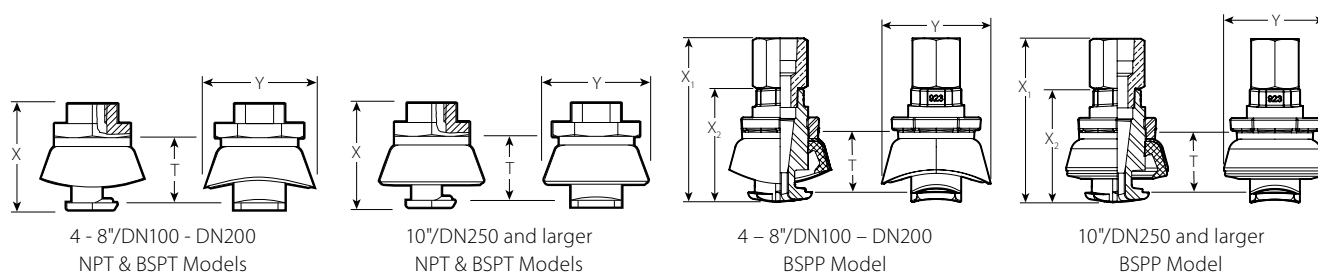
☐ **Grade “T” Nitrile**

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.

¹ 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 ³	X	X ₁	X ₂	Y ⁴		
											inches mm
Run x Branch inches DN	Run x Branch inches mm									lb kg	
NPT & BSPT Models	4 – 8 DN100 – DN200 x DN15	4.500 – 8.625 114.3 – 219.1 x	0.840	1.50	1.56	2.47	3.21			3.09	1.9
			21.3	38	40	63	82	–	–	78	0.9
			1.050	1.50	1.56	2.44	3.21			3.09	1.6
	DN20	26.9	38	40	62	82	–	–	78	0.7	
	10 and larger DN250 and larger x DN15	10.750 and larger 273.0 mm and larger x	0.840	1.50	1.56	2.47	3.21			3.00	1.9
			21.3	38	40	63	82	–	–	76	0.9
1.050			1.50	1.56	2.44	3.21			3.00	1.6	
DN20	26.9	38	40	62	82	–	–	76	0.7		
BSPP Model	4 - 8 ² DN100 - DN200 x DN15	4.500 - 8.625 114.3 - 219.1 x	0.840	1.50	1.56	2.47		4.50	3.21	3.09	2.1
			21.3	38	40	63	–	114	82	78	1.0
			1.050	1.50	1.56	2.44		4.50	3.21	3.09	1.8
	DN20	26.9	38	40	62	–	114	82	78	0.8	
	10 and larger ² DN250 and larger x DN15	10.750 and larger 273.0 mm and larger x	0.840	1.50	1.56	2.47		4.50	3.21	3.00	2.1
			21.3	38	40	63	–	114	82	76	1.0
1.050			1.50	1.56	2.44		4.50	3.21	3.00	1.8	
DN20	26.9	38	40	62	–	114	82	76	0.8		

² BSPP outlet, with BSPT male x BSPP female threaded bushing

³ Inside wall of run to end of probe

⁴ Width of collar is as supplied. Width assembled changes due to collar deformation at assembly.

5.0 PERFORMANCE

Style 923 Strapless Outlet

Size		Maximum Working Pressure ⁵⁻⁶ psi kPa	Nominal Wall Thickness Range	
Nominal Run x Branch inches DN	Actual Outside Diameter Run x Branch inches mm		inches mm	
			Minimum	Maximum
4 – 8 DN100 – DN200 x	1/2 DN15	4.500 – 8.625 x 0.840 114.3 – 219.1 x 21.3	0.237 6.0	0.322 8.2
	3/4 DN20	1.050 26.9		
		300 2068		
10 and larger DN250 and larger x	1/2 DN15	10.750 and larger x 0.840 273.0 mm and larger x 21.3	0.165 4.2	0.406 10.3
	3/4 DN20	1.050 26.9		
		300 2068		

⁵ Pressure rating is for Style 923 outlet only. Pipe used must also be rated at this pressure or higher.
⁶ 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.

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, hard hat, foot protection, and hearing 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 SHALL 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 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.

Intellectual Property Rights

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Note

All products bearing a Victaulic trademark are manufactured by Victaulic or to Victaulic specifications. All products are to be installed only in accordance with the applicable Victaulic installation instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.