



### 1.0 PRODUCT DESCRIPTION

#### Available Pipe Sizes

- 3 – 12"/DN80 – DN300
- For pipe sizes greater than 12"/DN300, contact Victaulic for additional information.

#### Application

- Designed specifically for any application where a one-piece manufactured manifold is needed to serve as a central connection for distributing a fluid supply in a piping system.
- All-in-one assembly reduces installation and handling.
- Used in conjunction with Victaulic AWWA grooved end products.
- Victaulic No. 326C Manifolds utilize rigid radius cut grooved ends conforming to AWWA C606 for ductile iron pipe.
- Pressure ratings conform to the rating of [Victaulic Style 31 Couplings](#).
- No. 326C Manifolds can be optionally configured with either plug or butterfly valves. Please contact Victaulic for details.

### 2.0 CERTIFICATION/LISTINGS

Product designed and manufactured under Victaulic's Quality Management System, as certified in accordance with ISO 9001:2008. The components of the No. 326C Manifold conform to the following AWWA standards.

#### Pipe

- Ductile iron pipe, Class 53, conforming to AWWA C150, C151.

#### Coupling

- Coupling design, materials and testing conform to the requirements of AWWA C606 standard for Grooved and Shouldered Joints.

#### Fitting

- Fittings conform to ANSI A21.10/AWWA C-110 for center-to-end dimensions and AWWA C-153 or ANSI A21.10/ AWWA C-110 for wall thickness.

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

### 3.0 SPECIFICATIONS - MATERIAL

#### Ductile Iron Pipe:

3 – 12": Ductile iron pipe, Class 53, conforming to AWWA C150, C151.

#### AWWA Couplings and Fittings:

3 – 12": Ductile iron pipe, conforming to ASTM A536, Grade 65-45-12. Ductile iron conforming to ASTM A395, grade 65-45-15 is available upon request.

#### Coupling Housing Coating:

Standard: Liquid epoxy in accordance with AWWA C210 (Tnemec N140).

Optional: Other

Contact Victaulic for any additional coating options.

#### Gasket: (specify choice)<sup>1</sup>

##### Grade "M" FlushSeal™

Halogenated Butyl (Brown color code). Temperature range –20°F to +200°F/–29°C to +93°C. Specially compounded to conform to ductile pipe surfaces. Recommended for water service within the specified temperature range plus a variety of dilute acids, oil-free air, and many chemical services. UL classified in accordance with ANSI/ NSF 61 for cold +86° F/+30°C potable water service. NOT RECOMMENDED FOR PETROLEUM SERVICES.

##### Grade "S" FlushSeal™

Nitrile (Red color code). Temperature range –20°F to +180°F/–29°C to + 82°C. Specifically compounded to conform to ductile pipe surfaces. Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range; except hot air over +140° F/+60° C and water over +150° F/+66°C. NOT RECOMMENDED FOR HOT WATER 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: (specify choice)<sup>2</sup>

Standard: Carbon steel oval neck track bolts meeting the mechanical property requirements of ASTM A449 (imperial) and ISO 898-1 Class 9.8 (M10-M16) Class 8.8 (M20 and greater). Carbon steel hex nuts meeting the physical and chemical requirements of ASTM A563 Grade B (imperial - heavy hex nuts) and ASTM A563M Class 9 (metric - hex nuts). Track bolts and hex nuts are zinc electroplated per ASTM B633 ZN/FE5, finish Type III (imperial) or Type II (metric).

Optional: Stainless steel oval neck track bolts meeting the requirements of ASTM F593, Group 2 (316 stainless steel), condition CW. Stainless steel heavy hex nuts meeting the requirements of ASTM F594, Group 2 (316 stainless steel), condition CW, with galling-resistant coating.<sup>2</sup>

<sup>2</sup> Optional bolts/nuts are available in imperial size only

#### Manifold Coating:

Standard: Liquid epoxy in accordance with AWWA C210 (Tnemec N140).

Optional: Other

#### Manifold Lining:

Standard: Cement lining in accordance with AWWA C205 Type 2.

Optional: Liquid epoxy in accordance with AWWA C210 (Tnemec N140).

Optional: Other

Additional manifold coatings and linings are available upon request. Please contact Victaulic.

#### NOTE

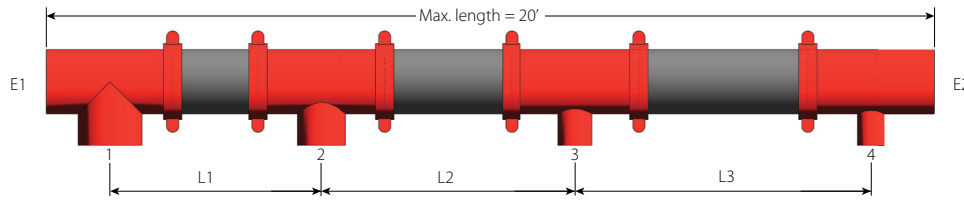
- Coatings are applied per manufacturer's recommended mils.

### 4.0 DIMENSIONAL DETAILS FOR QUOTE (CONTINUED)

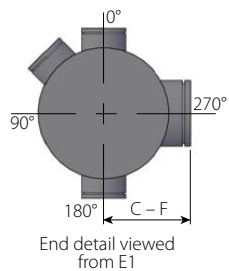
#### No. 326C Manifold Fitting

Please complete the form below and reference the available pricing to order your standard No. 326C Manifold Fitting. For sizes and pricing not listed, please contact Victaulic's Engineering Products department at EP@victaulic.com.

Project Name:		Project Location:	
Contractor Name:			
Contractor Phone Number:		Contractor E-Mail Address:	
Submitted By:		Contractor Signature: (Dimensional Approval for Fabrication)	



Minimum number of outlets is 2 and maximum number of outlets is 4



End Details

Minimum Outlet Center to Center Dimension per Run Size

Run Size	Min. "L" (inches)
3"	19
4"	21
6"	24
8"	26
10"	30
12"	32

Minimum L applies to L1, L2, and L3 dimensions.

Manifold Run Details	
Run Nominal Pipe Size (E1-E2)	
E1 Configuration	None
	Cap
	Tap size for Cap*
E2 Configuration	None
	Cap
	Tap size for Cap*

Fitting/Pipe Details	
Fitting & Pipe Lining	Cement Lined
	Liquid epoxy in accordance with AWWA C210 (Tnemec N140)
	Other: Please specify
Fitting & Pipe Coating	Liquid epoxy in accordance with AWWA C210 (Tnemec N140)
	Other: Please specify

Manifold Outlet Details				
	1	2	3	4
Outlet Nominal Pipe Size				
Outlet Orientation (0-359°) *As viewed from End E1				
Outlet Configuration	None	None	None	None
	Cap	Cap	Cap	Cap
	Tap size for Cap*	Tap size for Cap*	Tap size for Cap*	Tap size for Cap*
Outlet Center to Center (L1) UoM: Inches				
Outlet Center to Center (L2) UoM: Inches				
Outlet Center to Center (L3) UoM: Inches				

**NOTES**


- Minimum number of outlets is 2 and maximum number of outlets is 4
- Maximum permitted overall length of the manifold cannot exceed 20 ft.
- The No. 326C Mainfold is available with an optional Style 31 Rigid Coupling and No. 60C Cap. Coupling and cap will be sized as per the connection size as indicated on the No. 326C Manifold.
- \* End caps can be provided with taps in the following NPT sizes: ½", ¾", 1", 1 ¼", 1 ½", 2", 2 ½", and 3".

## 5.0 PERFORMANCE

The pressure performance of the No. 326C Manifold Fitting will be determined based on the pressure performance of the corresponding size of the [Style 31 Coupling](#).

## 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.
- 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.

• Wear safety glasses, hardhat, and foot protection.

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

- [08.20: Victaulic Vic-300 MasterSeal Butterfly Valve Series 761](#)
- [23.02: Victaulic Grooved Style 31 Coupling](#)
- [23.03: AWWA Transition Coupling Style 307](#)
- [23.05: Ductile Iron AWWA \(Cast\) Fittings](#)
- [23.06: AWWA Plug Valve Series 365](#)
- [29.01: Victaulic Terms and Conditions/Warranty](#)
- [I-300: Field Installation Handbook for AWWA Products](#)
- [I-365sm: Plug Valve Small Series 365 Installation Manual](#)
- [I-Vic300MS: Vic-300 MasterSeal™ Butterfly Valve Series 761/461 Installation and Maintenance Manual](#)

### 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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