

# FlowGuard Gold® Pipe

Product Data Sheet CTS-PIPE-1018  
Effective October 1, 2018  
(Updated May 7, 2021)

Possession of this product data sheet shall not be construed as an offer to sell the products listed. FlowGuard Gold is a registered trademark of Lubrizol Corp. Charlotte and "You can't beat the system" are registered trademarks of Charlotte Pipe and Foundry Company.  
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## >> CPVC Copper Tube Size Pipe

STRAIGHT LENGTHS		PLAIN END SDR 11 CPVC COPPER TUBE SIZE PIPE					ASTM D 2846	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER BUNDLE	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	MAX WORK PRESSURE AT 23° C OR 73° F	WT. PER 100 FT. (LBS.)
CTS 12005	½" x 10'	04979	500'	12,000'	.625	.068	400 PSI	8.3
CTS 12005	½" x 20'	04993	1,000'	24,000'	.625	.068	400 PSI	8.3
CTS 12007	¾" x 10'	04980	250'	6,000'	.875	.080	400 PSI	13.9
CTS 12007	¾" x 20'	05145	500'	12,000'	.875	.080	400 PSI	13.9
CTS 12010	1" x 10'	05146	150'	3,600'	1.125	.102	400 PSI	22.2
CTS 12010	1" x 20'	05147	300'	7,200'	1.125	.102	400 PSI	22.2
CTS 12012	1¼" x 10'	05148	100'	2,400'	1.375	.125	400 PSI	33.3
CTS 12012	1¼" x 20'	05321	200'	4,800'	1.375	.125	400 PSI	33.3
CTS 12015	1½" x 10'	05150	60'	1,440'	1.625	.148	400 PSI	46.6
CTS 12015	1½" x 20'	05306	120'	2,880'	1.625	.148	400 PSI	46.6
CTS 12020	2" x 10'	05152	40'	960'	2.125	.193	400 PSI	79.5
CTS 12020	2" x 20'	05322	80'	1,920'	2.125	.193	400 PSI	79.5

NOTE: STRAIGHT LENGTH PIPE ARE SHIPPED IN FULL BUNDLE QUANTITY ONLY.

COILED PIPE SDR 11		COILED SDR CPVC COPPER TUBE SIZE PIPE					ASTM D 2846	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER BUNDLE	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	MAX WORK PRESSURE AT 23° C OR 73° F	WT. PER 100 FT. (LBS.)
CTS 12005	½" x 150'	05313	150'	3,750'	.625	.068	400 PSI	8.3
CTS 12007	¾" x 100'	05314	100'	2,500'	.875	.080	400 PSI	13.9
CTS 12010	1" x 100'	10643	100'	1,200'	1.125	.102	400 PSI	22.2

NSF Listed. Meets All Requirements of ASTM D 2846.

All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.



You can't beat the system.®

**WARNING**

Testing with or use of compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS

- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings.
- NEVER test PVC / ABS / CPVC / Cast Iron pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC / Cast Iron pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFA's website and ASTM D 1785.

## TERMS AND CONDITIONS OF SALE

Terms and Conditions of Sale can be found at [https://charlottepipe.com/terms\\_and\\_conditions.aspx](https://charlottepipe.com/terms_and_conditions.aspx)

### FLOWGUARD GOLD® CPVC CTS LIMITED WARRANTY

Charlotte Pipe and Foundry Company (Charlotte Pipe®) warrants to the original owner of the structure in which its FlowGuard Gold CTS CPVC Pipe and Fittings (the "Products") have been installed, that the Products will be free from manufacturing defects and conform to currently applicable ASTM standards under normal use and service for a period of ten (10) years. Buyer's remedy for breach of this warranty is limited to replacement of, or credit for, the defective product. This warranty excludes any expense for removal or reinstallation of any defective product and any other incidental, consequential, or punitive damages. **This limited warranty is the only warranty made by seller and is expressly in lieu of all other warranties, express and implied, including any warranties of merchantability and fitness for a particular purpose.** No statement, conduct or description by Charlotte Pipe or its representative, in addition to or beyond this Limited Warranty, shall constitute a warranty. This Limited Warranty may only be modified in writing signed by an officer of Charlotte Pipe.

This Limited Warranty will not apply if:

- 1) The Products are used for purposes other than the transmission of domestic water.
- 2) The Products are not installed in good and workmanlike manner consistent with normal industry standards; installed in compliance with the latest instructions published by Charlotte Pipe and good plumbing practices; and installed in conformance with all applicable plumbing, fire and building code requirements.
- 3) This limited warranty does not apply when the products of Charlotte Pipe are used with the products of other manufacturers that do not meet the ASTM standard or that are not marked in a manner to indicate the entity that manufactured them.
- 4) The Products fail due to defects or deficiencies in design, engineering, or installation of the water distribution system of which they are a part.
- 5) The Products have been the subject of modification; misuse; misapplication; improper maintenance or repair; damage caused by the fault or negligence of anyone other than Charlotte Pipe; or any other act or event beyond the control of Charlotte Pipe.
- 6) The Products fail due to the freezing of water in the Products.
- 7) The Products fail due to contact with chemical agents, fire stopping materials, thread sealant, plasticized vinyl products, or other aggressive chemical agents not compatible with CPVC compounds.

Charlotte Pipe products are manufactured to the applicable ASTM standard. Charlotte Pipe and Foundry **cannot** accept responsibility for the performance, dimensional accuracy, or compatibility of pipe, fittings, gaskets, or couplings not manufactured or sold by Charlotte Pipe and Foundry.

This Limited Warranty will not apply unless written notice of a claim is mailed to Charlotte Pipe at the address below within 30 days of discovery of the allegedly defective product.

Any Charlotte Pipe products alleged to be defective **must** be made available to Charlotte Pipe at the following address for verification, inspection and determination of cause:

Charlotte Pipe and Foundry Company  
Attention: Technical Services  
2109 Randolph Road  
Charlotte, North Carolina 28207

**Purchaser must obtain a return materials authorization** and instructions for return shipment to Charlotte Pipe of any product claimed defective or shipped in error.

Any Charlotte Pipe product **proved** to be defective in manufacture will be replaced F.O.B. point of original delivery, or credit will be issued, at the discretion of Charlotte Pipe.

4/20/21

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