

International Division

**CHARLOTTE**  
PIPE AND FOUNDRY COMPANY





# ABOUT CHARLOTTE PIPE

Willis Frank Dowd started Charlotte Pipe and Foundry back in 1901, employing 25 men in the company's first foundry. Today, we're still a privately-held family company, now employing more than 1,700 associates across the U.S.A.

Under the leadership of W.F. Dowd's grandsons and great-grandsons, Charlotte Pipe has grown to become the world's largest manufacturer of both cast iron and plastic pipe and fittings.

Our International Sales Division works with local representatives around the world to ensure our global customers get quality products with the best service possible. Charlotte Pipe products have been featured in many prominent projects around the world and continue to be a favorite within the building industry.



Plastics Manufacturing Plant in Monroe, NC



Cast Iron Foundry in Oakboro, NC

## PRODUCTS

### DRAIN WASTE VENT (DWV)

We're the only manufacturer that produces a full line of both cast iron and plastic pipe and fittings for DWV applications.



#### Our Cast Iron Systems Conform To The Following Standards

##### SERVICE HUB AND SPIGOT PIPE AND FITTINGS

CISPI	ASTM A 74
ANSI A 112.5.1	NSF International

##### EXTRA HEAVY HUB AND SPIGOT

CISPI	ASTM A 74
ANSI A 112.5.1	NSF International

##### NO-HUB PIPE AND FITTINGS

CISPI	ASTM A 888
NSF International	CSA B70

##### NO-HUB COUPLINGS

CISPI Standard 310	ASTM C 1277
NSF International	

##### NO-HUB HEAVY DUTY COUPLINGS

ASTM C 1540

##### COMPRESSION GASKETS

ASTM C 564	CISPI HSN 85
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### CAST IRON

We manufacture a full line of service, extra-heavy and No-Hub cast iron soil pipe and fittings in sizes from 1½ inches through 15 inches.

Charlotte Pipe's ecoat for cast iron fittings is an efficient process for the application of coating onto a metal surface. An aesthetic improvement, ecoat offers customers a consistent, thin, even coating.



### PVC DWV

We offer a complete line of standard and specialty DWV plumbing products for use in gravity-fed waste drainage systems. PVC pipe and fittings are manufactured in sizes from 1¼ inches through 16 inches.



### ABS DWV

We offer ABS pipe in cellular core and solid wall in sizes 1 1/2 inches to 6 inches.

## PRESSURE

We produce a full line of pipe and fittings for use in pressure applications.



### PVC SCHEDULE 40

We offer a complete line of products for pressure systems where temperatures will not exceed 140°F. PVC pipe and fittings are manufactured in sizes from 1/2 inch through 8 inches for fittings and 1/2 inch through 16 inches for pipe.



### FLOWGUARD GOLD® and ECOTEC®

We offer a complete line of FlowGuard Gold® CPVC Copper Tube Size (CTS) pipe and fittings for hot- and cold-water distribution. It is available in sizes 1/2 inch through 2 inches. This includes our EcoTec® piping system which is available to the Latin American and Asian markets. EcoTec is a SDR 13.5 pipe and is made from Lubrizol's HP Compound for CPVC CTS. It is available in sizes 1/2 inch through 1 inch. EcoTec has the same 100 psi pressure rating at 180° F as traditional FlowGuard Gold.

## INDUSTRIAL

We produce a full line of industrial pipe and fittings for use in international markets, serving industries such as mining, water treatment, power generation, semiconductor, chemical processing, marine applications and manufacturing.



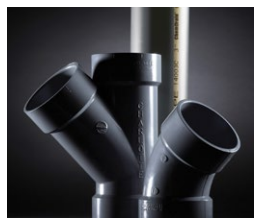
### PVC SCHEDULE 80

PVC Schedule 80 piping systems are for use in applications where the operating temperature will not exceed 140°F. We manufacture in sizes from 1/2 inch through 8 inches for fittings and 1/2 inch through 16 inches for pipe.



### CPVC SCHEDULE 40/80

For industrial applications where a higher working temperature is required, we offer CPVC Schedule 40 and 80 pipe. With a maximum operating temperature of 200°F, it has superior chemical resistance to most acids, bases, salts, as well as aliphatic hydrocarbons. It is manufactured in sizes from 1/2 inch through 8 inches.



### CPVC SCHEDULE 40 - CHEMDRAIN®

Our ChemDrain® CPVC Chemical Waste Drain System offers a safe, durable and economical alternative for the disposal of acids, bases, salts and a wide range of organic media in institutional, academic and commercial laboratories. It is for use in applications where the operating temperature will not exceed 220°F and is manufactured in sizes from 1½ inches through 8 inches.

## SHIPPING

We manufacture for inventory, not orders, which helps us maintain high fill rates with short lead times.

To enhance efficiency, we use SAP software, which links real-time order entry with inventory management and production scheduling.

Our associates have the logistics expertise necessary to ship globally via truck, rail, air freight or ocean container.



### Our Plastic Pipe and Fittings Conform To The Following Standards

#### ABS CELLULAR CORE

ASTM F 628

#### ABS SOLID WALL

CSA B 181.1

#### SCHEDULE 40 PVC PIPE

ASTM D 1784

ASTM D 1785

ASTM D 2665

FHA UM 79a

FEDERAL SPECIFICATION L-P-320a

NSF STANDARD NO. 14 and 61

#### SCHEDULE 40 PVC DWV FITTINGS

ASTM D 1784

ASTM D 2665

ASTM D 3311

FHA UM 79a

FEDERAL SPECIFICATION L-P-320a

NSF STANDARD NO. 14

#### PVC PRESSURE PIPE SDR-21 and SDR-26

ASTM D 1784

ASTM D 2241

NSF STANDARD NO. 14 and 61

CSA B 137.1 on limited items

#### PVC SCHEDULE 40 PRESSURE FITTINGS

ASTM D 1784

ASTM D 2466

NSF STANDARD NO. 14 and 61

#### PVC WELL CASING PIPE

ASTM D 1784

ASTM F 480

NSF STANDARD NO. 14 and 61

#### PVC SCHEDULE 80 PIPE

ASTM D 1784

ASTM D 1785

PVC 1120

CSA B 137.3

NSF STANDARD NO. 14 and 61

#### PVC SCHEDULE 80 FITTINGS

ASTM D 1784

ASTM D 2467

ASTM D 2464

ASTM F 1970

NSF STANDARD NO. 14 and 61

#### CPVC CTS FLOWGUARD GOLD

PIPE AND FITTINGS

ASTM D 1784

ASTM D 2846

FHA UM-61a

NSF STANDARD NO. 14 and 61

CSA LISTED ON SPECIFIED ITEMS

#### CHEMDRAIN CPVC SCHEDULE 40

PIPE AND FITTINGS

ASTM D 1784

ASTM F 2618

NSF STANDARD NO. 14

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