

# Extra Heavy

List Price Schedule XH-718  
Effective July 2, 2018  
Supersedes Price Schedule XH-115

Possession of this price list shall not be construed as an offer to sell the products listed.  
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ASTM A 74

## >> Extra Heavy Cast Iron Soil Pipe and Fittings

Please contact Customer Service or refer to Excel and HTML price sheets on [www.charlottepipe.com](http://www.charlottepipe.com) for crate and half-crate quantities.

Size	*UPC# 611942-	Weight	List Price Each	Size	*UPC# 611942-	Weight	List Price Each
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### Part No. XH 1 Pipe, 5' Lengths, Single Hub



2"x5'	02030	25.0	<b>\$186.60</b>
3"x5'	02031	44.4	<b>244.70</b>
4"x5'	02032	59.6	<b>273.00</b>
5"x5'	02033	73.7	<b>481.10</b>
6"x5'	02034	81.4	<b>450.70</b>
8"x5'	02035	141.1	<b>672.70</b>
10"x5'	02036	196.7	<b>1272.30</b>
12"x5'	02037	245.2	<b>1692.50</b>
15"x5'	02038	350.0	<b>2521.90</b>

### Part No. XH 1A Pipe, 30" Lengths, Single Hub



8"x30"	02039	75.9	<b>\$383.50</b>
10"x30"	02040	112.6	<b>647.20</b>
12"x30"	02041	136.0	<b>749.20</b>
15"x30"	02042	197.0	<b>1329.20</b>

### Part No. XH 2 Pipe, 5' Lengths, Double Hub



2"x5'	02043	26.3	<b>\$210.20</b>
3"x5'	02044	44.6	<b>256.00</b>
4"x5'	02045	60.4	<b>318.10</b>
5"x5'	02046	80.3	<b>436.00</b>
6"x5'	02047	85.3	<b>512.50</b>

### Part No. XH 3 Pipe, 10' Lengths, Single Hub



2"x10'	02048	45.3	<b>\$225.50</b>
3"x10'	02049	83.9	<b>304.50</b>
4"x10'	02050	104.9	<b>398.90</b>
5"x10'	02051	134.3	<b>528.60</b>
6"x10'	02052	156.6	<b>595.00</b>
8"x10'	02053	246.1	<b>1038.80</b>
10"x10'	02054	375.4	<b>1690.60</b>
12"x10'	02055	471.0	<b>2393.10</b>
15"x10'	02056	676.4	<b>3700.00</b>

### Part No. XH 4 Pipe, 30" Lengths, Double Hub



2"x30"	02057	15.0	<b>\$213.00</b>
3"x30"	02058	26.0	<b>214.90</b>
4"x30"	02059	33.0	<b>240.90</b>

### Part No. XH 5 Quarter Bend



2	02060	6.3	<b>\$36.70</b>
3	02061	11.1	<b>72.60</b>
4	02062	15.5	<b>106.00</b>
5	02063	18.5	<b>167.50</b>
6	02064	25.8	<b>176.30</b>
8	02065	47.0	<b>460.30</b>
10	02066	80.0	<b>677.40</b>
12	02067	142.0	<b>1205.80</b>
15	02068	173.9	<b>2535.60</b>

### Part No. XH 7 Sixth Bend



2	02074	6.0	<b>\$56.00</b>
3	02075	7.2	<b>85.30</b>
4	02076	14.0	<b>107.50</b>
6	02078	21.0	<b>186.40</b>

See page 6 for pipe bundle quantities.

**You can't beat the system.®**

Size	*UPC# 611942-	Weight	List Price Each	Size	*UPC# 611942-	Weight	List Price Each
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**Part No. XH 8  
Eighth Bend**

2	02082	4.7	<b>\$36.40</b>
3	02083	8.8	<b>58.10</b>
4	02084	12.4	<b>87.80</b>
5	02085	15.0	<b>124.70</b>
6	02086	18.9	<b>132.20</b>
8	02087	36.2	<b>330.60</b>
10	02088	59.7	<b>501.50</b>
12	02089	90.0	<b>867.50</b>
15	02090	122.0	<b>1775.80</b>



**Part No. XH 9  
Sixteenth Bend**

2	02091	4.6	<b>\$39.30</b>
3	02092	9.1	<b>68.80</b>
4	02093	9.5	<b>87.40</b>
5	02094	13.8	<b>115.70</b>
6	02095	16.0	<b>145.50</b>
8	02096	31.8	<b>348.20</b>
10	02097	53.0	<b>544.10</b>
12	02098	65.0	<b>1232.40</b>
15	02099	103.0	<b>1813.90 N</b>



**Part No. XH 26  
Long Eighth Bend**

4x18	02131	26.0	<b>\$261.00</b>
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**Part No. XH 29  
Short Sweep Bend**

2	02133	7.2	<b>\$49.30</b>
3	02134	13.0	<b>98.40</b>
4	02135	18.2	<b>132.20</b>
5	02136	23.8	<b>241.10</b>
6	02137	28.4	<b>287.70</b>
8	02138	57.0	<b>510.20</b>
10	02139	90.0	<b>979.40</b>
12	02140	136.0	<b>2125.80 N</b>



**Part No. XH 30  
Long Sweep Bend**

2	02141	9.0	<b>\$61.70</b>
3	02142	16.6	<b>125.60</b>
4	02143	23.6	<b>162.20</b>
5	02144	30.0	<b>265.80</b>
6	02145	38.2	<b>281.80</b>
8	02146	58.6	<b>628.40</b>
10	02147	109.0	<b>1192.20 N</b>
12	02148	136.0	<b>1538.60 N</b>
15	02149	213.3	<b>3496.10</b>



**Part No. XH 33  
Combination Y and Eighth Bend  
(Long Turn Pattern)**

2	02153	9.7	<b>\$95.10</b>
3x2	02159	16.0	<b>122.80</b>
3	02154	18.2	<b>160.20</b>
4x2	02160	18.9	<b>141.70</b>
4x3	02161	22.0	<b>182.00</b>
4	02155	28.1	<b>211.00</b>
5x4	02164	29.3	<b>336.10</b>
5	02156	33.7	<b>362.20</b>
6x2	02165	22.0	<b>258.90</b>
6x3	02166	30.4	<b>293.00</b>
6x4	02167	38.5	<b>309.10</b>
6	02157	53.5	<b>399.90</b>
8x4	02170	54.0	<b>548.10</b>
8x6	02171	70.5	<b>720.60</b>
8	02158	107.4	<b>894.70</b>



**Part No. XH 35F  
Double Combination Y and Eighth Bend  
(Long Turn Pattern)**

4	02177	44.0	<b>\$418.90</b>
6x4	02182	43.0	<b>568.40</b>

**Note: N = non-stock item – contact customer service for availability.**

Size	*UPC# 611942-	Weight	List Price Each	Size	*UPC# 611942-	Weight	List Price Each
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**Part No. XH 43  
Sanitary Tee**

2	02198	8.7	<b>\$66.70</b>
3x2	02199	14.2	<b>129.40</b>
3	02200	17.1	<b>164.80</b>
4x2	02201	17.4	<b>166.90</b>
4x3	02202	18.3	<b>178.00</b>
4	02203	22.5	<b>174.50</b>
5	02206	28.0	<b>334.20</b>
6x3	02208	24.4	<b>266.30</b>
6x4	02209	28.0	<b>283.40</b>
6	02211	35.4	<b>334.90</b>
8x4	02212	51.0	<b>610.90</b>
8x6	02214	54.5	<b>904.10</b>
8	02215	72.0	<b>944.00</b>
10x6	02217	77.0	<b>1096.50</b>
10x8	02218	95.0	<b>1275.20 N</b>
10	02219	115.0	<b>1306.50</b>
12x8	02221	126.0	<b>1773.80 N</b>
12	02223	173.0	<b>2401.30 N</b>
15x8	02225	180.0	<b>2912.80 N</b>
15	02228	280.0	<b>3647.20</b>



**Part No. XH 44  
Wye**

2	02229	9.0	<b>\$70.50</b>
3x2	02230	13.2	<b>129.40</b>
3	02231	17.2	<b>158.00</b>
4x2	02232	16.8	<b>158.40</b>
4x3	02233	20.6	<b>191.40</b>
4	02234	23.7	<b>221.50</b>
5x3	02236	23.7	<b>274.00</b>
5x4	02237	28.3	<b>302.40</b>
5	02238	31.6	<b>318.00</b>
6x3	02240	26.8	<b>253.30</b>
6x4	02241	31.9	<b>314.80</b>
6x5	02242	33.8	<b>392.00</b>
6	02243	41.2	<b>405.20</b>
8x4	02246	50.2	<b>721.90</b>
8x6	02248	61.5	<b>782.60</b>
8	02249	86.6	<b>1002.40</b>
10x4	02251	72.0	<b>1047.20</b>
10x6	02253	84.0	<b>1092.60</b>
10x8	02254	101.7	<b>1280.30</b>
10	02255	137.0	<b>1351.30</b>
12x6	02258	108.0	<b>1884.30</b>
12x8	02259	140.0	<b>2150.80</b>
12x10	02260	180.0	<b>2817.70</b>
12	02261	198.0	<b>2876.00</b>
15x4	02262	153.0	<b>3841.70</b>

**Part No. XH 44, continued  
Wye**

15x8	02264	219.0	<b>\$3921.50 N</b>
15x10	02265	229.0	<b>3941.60 N</b>
15x12	02266	236.0	<b>4169.20</b>
15	02267	309.4	<b>4828.20</b>



**Part No. XH 79  
Washington Test Tee With Southern  
Raised Head Brass Plug Installed**

IPS TAP				
3	4	04952	15.1	<b>\$285.80</b>
4	4	04953	18.6	<b>319.20</b>
5	5	04954	27.2	<b>470.20</b>
6	6	04955	27.4	<b>886.00</b>
8	8	04956	58.5	<b>1019.80</b>

Washington test tees can only be ordered with Southern code raised head brass plug installed. We do not offer this fitting less plug, or with any other type plug installed.



**Part No. XH 80  
Cleanout Tee with Southern  
Raised Head Brass Plug Installed**

IPS TAP				
3	2	02323	11.3	<b>\$170.70</b>
4	3	02324	17.4	<b>281.80</b>
5	4	02325	23.6	<b>454.50</b>
6	4	02326	26.9	<b>674.30</b>



**Part No. XH 81 S  
Miami Test Tee with Southern Raised-Head  
Brass Plug Installed**

IPS TAP				
4	4	02345	16.9	<b>\$261.70</b>

Cleanout and Miami tees can only be ordered with Southern code brass plug installed. We do not offer this fitting less plug, or with any other type brass plug installed.



**Part No. XH 84  
Sanitary Tapped Tee**

4x2	02377	14.3	<b>\$160.80</b>
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**Note: N = non-stock item – contact customer service for availability.**

Size	*UPC# 611942-	Weight	List Price Each	Size	*UPC# 611942-	Weight	List Price Each
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**Part No. XH 85  
Tapped Wye**

4x2	02382	13.8	<b>\$225.50</b>
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**Part No. XH 109  
Sanitary Cross**

4	02400	27.0	<b>\$280.30</b>
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**Part No. XH 110  
Double Wye**

2	02406	13.1	<b>\$156.80</b>
4x3	02410	26.9	<b>233.50</b>
4	02411	28.2	<b>280.30</b>
6x4	02416	39.8	<b>481.40</b>
6	02418	45.0	<b>522.20</b>
8	02421	119.0	<b>1951.70 N</b>
10	02424	182.0	<b>2644.10 N</b>
12	02427	295.0	<b>3638.20 N</b>
15	02428	384.8	<b>7336.60 N</b>



**Part No. XH 143  
Reducer**

3x2	02436	6.0	<b>\$51.80</b>
4x2	02437	7.0	<b>61.10</b>
4x3	02438	8.9	<b>76.40</b>
5x3	02440	11.0	<b>100.20</b>
5x4	02441	11.0	<b>98.80</b>
6x3	02443	12.0	<b>105.50</b>
6x4	02444	12.1	<b>96.90</b>
6x5	02445	12.6	<b>121.80</b>
8x4	02447	19.1	<b>224.40</b>
8x5	02448	19.5	<b>230.30</b>
8x6	02449	19.0	<b>236.10</b>
10x4	02450	28.0	<b>279.40</b>
10x6	02452	30.0	<b>289.30</b>
10x8	02453	35.0	<b>418.90</b>
12x4	02454	36.8	<b>715.70</b>
12x6	02455	46.0	<b>696.70</b>
12x8	02456	43.0	<b>719.40 N</b>
12x10	02457	50.0	<b>745.20</b>
15x8	02459	55.5	<b>1024.00 N</b>
15x10	02460	57.0	<b>1246.60</b>
15x12	02461	62.0	<b>1318.50 N</b>



**Part No. XH 144  
Increaser**

4x6	02468	15.8	<b>\$205.30</b>
6x8	02472	33.8	<b>441.80</b>



**Part No. XH 153  
Double Hub Fitting**

2	02486	5.0	<b>\$54.70</b>
4	02488	9.4	<b>102.70</b>
5	02489	11.8	<b>134.40</b>
6	02490	14.0	<b>167.80</b>
8	02491	28.0	<b>409.10</b>
10	02492	43.0	<b>791.40 N</b>
12	02493	54.0	<b>1124.40 N</b>
15	02494	80.0	<b>1379.40</b>



**Part No. XH 155  
Pipe Plug**

2	02498	1.4	<b>\$35.30</b>
4	02500	4.7	<b>47.40</b>
6	02502	8.0	<b>121.80</b>
8	02503	15.0	<b>152.20</b>
10	02504	29.0	<b>249.90</b>
12	02505	32.0	<b>351.70</b>
15	02506	44.0	<b>621.50</b>



**Part No. XH 169  
P Trap**

2	02517	7.9	<b>\$83.90</b>
3	02518	17.2	<b>143.50</b>
4	02519	27.2	<b>211.00</b>
6	02521	45.2	<b>540.90</b>
8	02522	120.0	<b>1467.00</b>



**Part No. XH 174  
Running Trap with Single Hub Vent**

Vent Size				
3	3	02529	22.8	<b>\$230.30</b>
4	4	02530	35.6	<b>323.30</b>
5	4	02531	46.0	<b>550.10</b>
6	4	02532	59.0	<b>1478.50</b>

**Note: N = non-stock item – contact customer service for availability.**

Size	*UPC# 611942-	Weight	List Price Each	Size	*UPC# 611942-	Weight	List Price Each
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**Part No. XH 175**  
**Running Trap with Double Hub Vent**

Vent Size				
3	3	02536	30.0	\$270.20
4	4	02537	37.4	382.80
5	4	02538	50.0	620.50
6	4	02539	65.5	1151.30
6	6	02540	71.0	1519.00
8	4	02541	127.0	4858.60
8	6	02542	119.6	5281.30
10	8	02543	193.0	6047.40
12	6	02544	274.0	7686.60



**Part No. XH 180**  
**Deep Seal P Trap**

2	02546	9.8	\$120.50
3	02547	20.3	220.80
4	02548	29.0	266.70



**Part No. XH 184**  
**Improved Running Trap with Double Cleanout and Tee Branch**

4	02553	39.2	\$413.50
4x3	02554	42.9	425.00



**Part No. XH 198**  
**P Trap with 1/2" Tap in Heel**

2	02561	9.0	\$127.30
3	02564	17.2	220.80
4	02566	27.2	314.20



**Part No. XH 230**  
**Iron Body Cleanout Ferrule - Body Only**  
**Less Brass Plug**

Tap				
4	3½	02597	4.3	\$46.30
6	5	02599	6.6	84.90
8	6	02600	13.1	162.80
10	6	02601	21.0	252.40
12	6	02602	38.0	343.90
15	6	02603	52.8	716.10



**Part No. XH 230 S**  
**Iron Body Cleanout Ferrule - with Southern**  
**Raised-Head Brass Plug Installed**

Tap				
2	1½	02638	1.7	\$44.20
3	2½	02639	3.4	66.80
4	3½	02640	4.9	94.50
5	4	02641	6.5	117.60
6	5	02642	7.8	182.00
8	6	02643	15.3	365.30
10	6	02644	23.2	454.80
12	6	02645	40.2	546.30
15	6	02646	54.9	918.60

Iron Body Cleanout with plugs installed can only be ordered as shown in this price sheet. When ordering Iron Body Cleanout with plugs other than Southern Code, please order the fitting less plug, then order the plug from the Plugs price sheet.

Example:	Part No.	Quantity	Description
	XH 230	4	4" Iron Body Cleanout
	PLG 410	4	3½" Ohio Plug

When Iron Body Cleanouts with plugs other than Southern Code are ordered, the plugs will be packed separately in a burlap bag inside the shipping crate.



**Part No. XH 253**  
**Sission Insertable Joint**

4	02684	17.1	\$174.50
6	02686	26.2	294.10




**Part No. XH 549**  
**Roof Iron**

4	02688	8.2	\$119.40
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**⚠ WARNING**

Testing with or use of compressed air or gas in 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 Cast Iron pipe or fittings.
- NEVER test Cast Iron pipe or fittings with compressed air or gas.
- ONLY use Cast Iron pipe and fittings for drain, waste and vent or sanitary sewer applications.

**CHARLOTTE® SPEED-PAK**

**FIVE FOOT PIPE BUNDLES**

EXTRA HEAVY WEIGHT				
	SIZE	PIECES	WEIGHT	HEIGHT
Single Hub	2"	84	2099	18"
	3"	45	1998	20"
	4"	33	1968	21"
	5"	23	1695	25"
	6"	18	1465	23"
	8"	11	1552	24"
	10"	8	1574	29"
	12"	6	1471	29"
	15"	2	700	20"
Double Hub	2"	84	2207	23"
	3"	45	2007	24"
	4"	33	1992	25"
	5"	23	1847	29"
	6"	18	1535	28"

**30" SINGLE HUB PIPE BUNDLES**

EXTRA HEAVY WEIGHT				
	SIZE	PIECES	WEIGHT	HEIGHT
30" Single Hub	8x30"	11	835	26"
	10x30"	8	901	24"
	12x30"	6	816	30"
	15x30"	2	394	19"

**TEN FOOT PIPE BUNDLES**

EXTRA HEAVY WEIGHT				
	SIZE	PIECES	WEIGHT	HEIGHT
Single Hub	2x10'	48	2173	12"
	3x10'	30	2517	15"
	4x10'	24	2517	18"
	5x10'	21	2820	20"
	6x10'	12	1879	16"
	8x10'	8	1968	21"
	10x10'	6	2252	25"
	12x10'	3	1413	15"
	15x10'	2	1353	20"

Weights are approximate and are for shipping purposes only.

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

Note: Dimensions and tolerances for Extra Heavy pipe and fittings are published in Charlotte Pipe's Cast Iron Dimensional Catalog and also Charlotte Pipe's Cast Iron Technical Manual.

## CHARLOTTE® CAST IRON SOIL PIPE AND FITTINGS SPECIFICATIONS

This is to certify that products manufactured by Charlotte Pipe and Foundry, Cast Iron Division, are manufactured in the United States and conform to the following standards:

### EXTRA HEAVY HUB AND SPIGOT PIPE AND FITTINGS

All cast iron soil pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Pipe Institute.

ASTM A 74

ANSI A 112.5.1

Listed by NSF® International to the UP Code

ISO 9001:2008 Certified

### COMPRESSION GASKETS

ASTM C 564

CISPI HSN 85

**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.**

## Terms of Sale

We are pleased to present our list price schedule for use in ordering Charlotte Pipe and Foundry Company® (Charlotte Pipe®) Products. To determine current prices, please refer to the prices shown in the list price schedule. You may seek further clarification from our local manufacturers' agent or the factory sales office. **All prices in list price schedules are subject to change without notice. Orders will be billed at the prevailing price at the time of shipment.** All quotations, sales, and agreements are subject to strikes, accidents, transportation failures or other causes beyond our control. Any tax, effective under present or future laws, shall be added as an extra to the price of the product and shall be paid by the purchaser. **Possession of product information or list price schedules shall not be construed as an offer to sell the product listed.**

**ARBITRATION: CHARLOTTE PIPE AND CUSTOMER AGREE THAT ANY DISPUTE, CLAIM OR CONTROVERSY OF ANY NATURE, WHETHER BASED ON CONTRACT, TORT, STATUTE, OR ANY OTHER LEGAL OR EQUITABLE THEORY, ARISING OUT OF OR RELATED TO THE SALE OF PRODUCTS FROM CHARLOTTE PIPE TO CUSTOMER SHALL BE RESOLVED THROUGH BINDING ARBITRATION ADMINISTERED PURSUANT TO TITLE 9 OF THE U.S. CODE BY JAMS UNDER ITS COMPREHENSIVE ARBITRATION RULES AND PROCEDURES, AND JUDGMENT ON THE AWARD ENTERED BY THE ARBITRATOR(S) MAY BE ENTERED BY ANY COURT HAVING JURISDICTION THEREOF. EITHER PARTY MAY APPLY TO THE ARBITRATOR SEEKING INJUNCTIVE RELIEF UNTIL THE ARBITRATION AWARD IS ENTERED OR THE MATTER IS RESOLVED. EITHER PARTY ALSO MAY, WITHOUT WAIVING ANY REMEDY AVAILABLE TO IT, SEEK FROM ANY COURT OF COMPETENT JURISDICTION ANY PROVISIONAL OR INTERIM RELIEF THAT IS NECESSARY TO PROTECT ITS RIGHTS PENDING THE ARBITRATOR(S)' DETERMINATION OF THE MERITS OF THE DISPUTE, CLAIM OR CONTROVERSY.**

**CLASS ACTION WAIVER: CHARLOTTE PIPE AND CUSTOMER AGREE THAT THERE WILL BE NO RIGHT OR AUTHORITY FOR ANY CLAIM, DISPUTE AND/OR CONTROVERSY COVERED UNDER THE PARTIES' AGREEMENT TO ARBITRATE TO BE BROUGHT, HEARD, OR ARBITRATED AS A CLASS ACTION AND/OR COLLECTIVE ACTION AND/OR REPRESENTATIVE ACTION. NOR SHALL THE ARBITRATOR(S) HAVE ANY AUTHORITY TO HEAR OR ARBITRATE ANY SUCH CLASS AND/OR COLLECTIVE ACTION AND/OR REPRESENTATIVE ACTION. REGARDLESS OF ANYTHING ELSE IN THESE TERMS AND CONDITIONS OR BY VIRTUE OF ANY ARBITRATION RULES OR PROCEDURES OF THE AAA THAT NOW APPLY OR ANY AMENDMENTS AND/OR MODIFICATIONS TO THOSE RULES, THE ENFORCEABILITY AND VALIDITY OF THIS CLASS ACTION WAIVER MAY BE DETERMINED ONLY BY A COURT AND NOT BY AN ARBITRATOR. NOTWITHSTANDING ANY OTHER CLAUSE CONTAINED IN THESE TERMS AND CONDITIONS, THIS CLAUSE ENTITLED CLASS ACTION WAIVER SHALL NOT BE SEVERABLE FROM THESE TERMS AND CONDITIONS IN ANY CASE IN WHICH THE DISPUTE TO BE ARBITRATED IS BROUGHT AS A CLASS AND/OR COLLECTIVE ACTION. THIS CLASS ACTION WAIVER AND THE AGREEMENT TO ARBITRATE ANY CLAIM, DISPUTE OR CONTROVERSY PRECLUDES CUSTOMER FROM LITIGATING IN COURT OR ARBITRATING ANY CLAIMS AGAINST CHARLOTTE PIPE AS A REPRESENTATIVE OR MEMBER OF A CLASS OR IN A PRIVATE ATTORNEY GENERAL CAPACITY.**

## LIMITED WARRANTY

Charlotte Pipe and Foundry Company® (Charlotte Pipe®) Products are warranted to be free from manufacturing defects and to conform to currently applicable ASTM standards for a period of five (5) years from date of delivery. 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 their intended purpose as defined by local plumbing and building codes, and the applicable ASTM standard.
- 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 applicable ASTM or CISPI standards or that are not marked in a manner to indicate the entity that manufactured them.
- 4) In hubless cast iron installations, this warranty will not apply if products are joined with unshielded hubless couplings. Charlotte Pipe requires that its hubless cast iron pipe and fittings be joined only with shielded hubless couplings manufactured in accordance with CISPI 310, ASTM C 1277 and certified by NSF® International or with Heavy Duty Couplings meeting ASTM C 1540.
- 5) The Products fail due to defects or deficiencies in design, engineering, or installation of the piping system of which they are a part.
- 6) 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.

- 7) The Products fail due to the freezing of water in the Products.
- 8) The Products fail due to contact with chemical agents, fire stopping materials, thread sealant, plasticized vinyl products, or other aggressive chemical agents that are not compatible.
- 9) Pipe outlets, sound attenuation systems or other devices are permanently attached to the surface of Charlotte® PVC, ABS or CPVC products with solvent cement or adhesive glue.

Charlotte Pipe products are manufactured to the applicable ASTM or CISPI 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.

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.

4/24/15

! **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.

Charlotte, Charlotte Pipe and "You can't beat the system" are registered trademarks of Charlotte Pipe and Foundry Company.

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

**You can't beat the system.®**