

ABS DWV

List Price Schedule ABS-921
 Effective September 10, 2021
 (Updated September 4, 2023)
 Supersedes Price Schedule ABS-821

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ASTM D 2661

>> ABS Drain-Waste-Vent Fittings For Non-Pressure Applications

Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each	Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each
 Part No. ABS 100 Coupling (H x H)					 Part No. ABS 103 P Trap Adapter - Male (DWV SPG x Tubular SLIP with Washer & Polyethylene Nut)				
1 1/4 *	14212	100	4900	\$24.74	1 1/2 x 1 1/4 *	02719	75	6000	\$42.79
1 1/2	02701	100	5600	12.61	1 1/2	02720	50	5600	31.02
2	02702	100	4900	15.79	 Part No. ABS 103 R Trap Adapter - Male with 1 1/2" Plastic Nut and Washers to Fit 1 1/2" and 1 1/4" Traps (DWV SPG x Tubular SLIP with Plastic Nut)				
3	02703	60	1080	47.41	1 1/2 *	12514	50	5600	\$34.76
4	02704	25	700	79.14	 Part No. ABS 103 W Trap Adapter - Male (DWV SPG x Tubular SLIP with Washer & Plastic Nut)				
6	02705	15	180	331.45	1 1/2 x 1 1/4 *	13272	75	6000	\$47.33
 Part No. ABS 101 Female Adapter (H x FPT)					1 1/2 *	12477	50	5600	36.49
1 1/2	02706	100	5600	\$21.63	2 *	12715	25	3600	119.03
2	02707	100	4900	34.05	 Part No. ABS 103 X Trap Adapter - Male (DWV SPG x Tubular SLIP with Washer & Chrome Nut)				
3	02708	30	1470	91.14	1 1/2 x 1 1/4	13273	100	8000	\$50.52
4	02709	10	560	104.14	1 1/2	02723	50	5600	59.30
6	02710	10	180	398.38	 Part No. ABS 104 Trap Adapter - Female (DWV H x Tubular SLIP)				
 Part No. ABS 102 Pipe Increaser-Reducer (H x H)					1 1/2 x 1 1/4 *	02727	50	5600	\$36.09
1 1/2 x 2	02711	25	3600	\$33.67	1 1/2	02728	50	7200	29.00
1 1/2 x 3	02712	25	1400	99.77					
2 x 3	02713	20	1600	79.95					
2 x 4	02714	10	800	166.49					
3 x 4	02715	20	1120	149.21					
 Part No. ABS 103 Trap Adapter - Male (DWV SPG x Tubular SLIP)									
1 1/2	02717	50	7200	\$30.95					
2	02718	25	3600	122.52					

H = Hub
 SPG = Spigot
 SLIP = Slip

MPT = Male Pipe Thread
 FPT = Female Pipe Thread



*ABS-DWV Fittings Not Listed by IAPMO

You can't beat the system.®

Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each	Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each
 Part No. ABS 104 P Trap Adapter - Female (DWV H x Tubular SLIP with Washer & Polyethylene Nut)					 Part No. ABS 106 Cleanout Plug (MPT)				
1½x1¼*	02729	50	5600	\$38.14	1½	02753	50	7200	\$17.91
1½	02730	50	5600	\$2.60	2	02754	50	7200	19.59
 Part No. ABS 104 R Trap Adapter with 1½" Plastic Nut and Washers to Fit 1½" and 1¼" Traps (DWV H x Tubular SLIP with Plastic Nut)					2½*	02755	25	3600	59.88
1½ *	04859	50	5600	\$35.65	3	02756	25	3600	31.86
 Part No. ABS 104 W Trap Adapter - Female (DWV H x Tubular SLIP with Washer & Plastic Nut)					3½	02757	30	3360	129.75
1½x1¼ *	13276	50	5600	\$42.96	4	02758	30	2400	55.18
1½ *	12476	50	5600	\$2.82	6*	02759	10	800	186.71
 Part No. ABS 104 X Trap Adapter - Female (DWV H x Tubular SLIP with Washer & Chrome Nut)					 Part No. ABS 107 Flush Bushing (SPG x H)				
1½*	02732	50	5600	\$57.04	1½x1¼	02765	100	14400	\$72.51
1½x1¼	02731	50	5600	58.63	2x1¼ *	12526	50	7200	34.32
2	13278	50	5600	156.16	2x1½	02766	50	7200	19.24
 Part No. ABS 105 Fitting Cleanout Adapter (SPG x FPT)					3x1½	02767	30	2400	84.12
1½	02735	50	7200	\$26.54	3x2	02768	30	2400	52.62
2	02736	50	4000	36.73	4x2	02769	30	1470	156.29
3	02737	25	1225	92.68	4x3	02770	30	1470	82.80
4	02738	10	560	173.68	6x4	02771	10	490	438.95
 Part No. ABS 105 X Fitting Cleanout Adapter with Cleanout Plug (SPG x FPT)					 Part No. ABS 108 Flush Bushing (SPG x FPT)				
1½	02741	50	5600	\$44.49	2x1½	02775	50	7200	\$64.32
2	02742	50	2800	56.34	 Part No. ABS 109 Male Adapter (Will not accept a tail piece) (MPT x H)				
3	02743	25	1125	124.53	1½	02782	50	7200	\$18.37
4	02744	10	560	228.85	2	02784	50	5600	32.12
					3	02785	25	1400	86.15
					4	02786	25	875	174.85
					 Part No. ABS 110 Flush Cleanout Plug (MPT)				
					2	02787	25	7200	\$93.07
					3	02788	50	5600	106.24
					4	02789	25	3600	113.37
					 Part No. ABS 111 Male Fitting Adapter (SPG x MPT)				
					1½	02793	50	7200	\$52.97
					2	14302	25	3600	109.39

*ABS-DWV fittings not listed by IAPMO

Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each	Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each
	Part No. ABS 113 S Tray Plug Adapter (SPG)					Part No. ABS 123 Hub Adapter, Cast Iron (Plain End: Joint can be made with compression gasket only.) (H x SPG) (Adapts DWV Spigot to Cast Iron Hub)			
1½ *	13642	50	2450	\$49.07	2x2	02812	20	1600	\$211.05
	Part No. ABS 114 Threaded Cap (FPT)				4x4	14213	20	1600	311.08
1½	02796	15	5400	\$36.58		Part No. ABS 130 Repair Coupling (H x H)			
	Part No. ABS 116 Cap (SOCKET)				1½ *	02826	25	3600	\$83.48
1½	02797	10	2880	\$41.84	2 *	02827	25	3600	44.49
2	02798	5	1800	57.87	3 *	02828	10	1120	110.48
3	02799	10	1440	119.58	4 *	02829	5	560	212.39
4	02800	5	560	116.96		Part No. 131** Test Cap			
6 ^(F)	14303	5	175	267.04	1½ *				**
	Part No. ABS 117 Adapter Coupling (Adapts S&D Spigot to DWV Spigot) (H x H)				2 *				**
4x3	02801	20	1120	\$117.20	3 *				**
4x4	12865	20	1120	209.65	4 *				**
	Part No. ABS 118 Adapter Bushing (Adapts DWV Hub to S&D Spigot) (DWV SPG x HUB)					Part No. ABS 300 1/4 Bend (H x H)			
3	07302	25	2800	\$75.10	1½	02840	100	2800	\$24.49
4	02803	10	1440	85.82	2	02841	50	1400	37.70
	Part No. ABS 119 No-Hub Adapter (SPG x H) (Adapts Cast Iron NH Spigot to DWV Spigot)				3	02842	25	450	94.99
2	02805	25	3600	\$64.13	4	02843	10	180	194.73
3	02807	20	1600	119.26	6	02844	5	60	830.30
4	02808	15	840	172.87		Part No. ABS 300 R 1/4 Bend, Reducing (H x H)			
	Part No. ABS 122 Spigot Adapter, Cast Iron (H x H) (Adapts Cast Iron Spigot to DWV Spigot)				2x1½ *	04195	10	1440	\$162.20
2x2	02810	10	1440	\$165.52		Part No. ABS 300 S 1/4 Bend with Side Inlet (H x H)			
4x4	02811	15	420	296.22	3x3x2 *	02846	10	350	\$269.83

^(F) Flat

* ABS-DWV fittings not listed by IAPMO

** Please see listing for Part No. PVC 131 in our PVC DWV price sheet.

Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each	Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each
	Part No. ABS 302 1/4 Bend, Street (SPG x H)					Part No. ABS 320 1/6 Bend, Street (H x SPG)			
1½	02850	100	3500	\$31.51	1½	02871	40	3200	\$135.55
2	02851	50	1750	52.72	2	02872	25	2000	134.17
3	02852	20	560	115.79	3	02873	20	700	384.13
4	02853	10	180	231.57					
	Part No. ABS 303 1/4 Bend with Low Heel Inlet (ALL HUB)					Part No. ABS 321 1/8 Bend (H x H)			
3x3x2	02856	25	400	\$159.58	1½	02875	100	3500	\$22.36
4x4x2	14214	15	180	467.62	2	02876	50	1750	34.66
					3	02877	20	560	83.07
	Part No. ABS 304 Long Sweep 1/4 Bend (H x H)				4	02878	10	280	156.07
1½	02858	50	1750	\$43.40	6	02879	3	84	694.93
2	02859	25	1225	52.78					
3	02860	10	350	129.10		Part No. ABS 323 1/8 Bend, Street (SPG x H)			
4	02861	5	175	220.42	1½	02880	100	3500	\$27.95
	Part No. ABS 307 Long Sweep 1/4 Bend with Low Heel Inlet (ALL HUB)				2	02881	50	1750	37.09
3x3x1½ *	13469	25	300	\$316.48	3	02882	20	700	91.55
3x3x2	13280	25	300	252.74	4	02883	10	280	158.67
	Part No. ABS 309 Long Sweep 1/4 Bend, Street (H x SPG)				6	02884	3	84	871.21
1½	04193	50	2450	\$55.04		Part No. ABS 324 1/16 Bend (H x H)			
2	04191	25	1225	68.00	1½	02886	50	4000	\$32.68
3	02864	20	360	233.10	2	02887	25	2000	37.25
	Part No. ABS 310 1/4 Bend, Street with Low Heel Inlet (H x SPG x H)				3	02888	20	700	95.73
3x3x2	02865	15	420	\$229.03	4	02889	15	420	145.76
	Part No. ABS 319 1/6 Bend (H x H)				6	02890	3	84	1,737.47
1½	02867	40	3200	\$43.15		Part No. ABS 326 1/16 Bend, Street (SPG x H)			
2	02868	25	1400	61.25	1½	02891	50	4000	\$93.02
3	02869	20	560	196.71	2	02892	25	2800	84.15
4	02870	10	280	296.93	3	02893	20	700	142.71
					4	02894	10	490	249.03
	Part No. ABS 327 Double 1/4 Bend (ALL HUB)					Part No. ABS 327 Double 1/4 Bend (ALL HUB)			
1½*	02896	20	1600	\$116.96	1½*	02896	20	1600	\$116.96
2*	02897	25	875	146.61	2*	02897	25	875	146.61
2x1½x1½*	02898	25	1400	160.02	2x1½x1½*	02898	25	1400	160.02
3*	02899	10	280	541.35	3*	02899	10	280	541.35

*ABS-DWV fittings not listed by IAPMO

Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each	Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each
	Part No. ABS 329 Closet Bend, Reducing (H x H)					Part No. ABS 401 Sanitary Tee, Reducing (ALL HUB)			
3x4	02900	10	280	\$146.58	2x1½x1½	02932	25	1225	\$49.67
	Part No. ABS 330 Closet Bend, Reducing (H x SPG)				2x1½x2	02933	25	875	55.84
3x4	02901	10	280	\$257.00	2x2x1½	02934	50	900	48.55
	Part No. ABS 330 X Closet Bend, Reducing with Test Cap (H x SPG)				3x3x1½	02935	20	560	104.35
3x4*	02902	10	280	\$278.01	3x3x2	02936	10	490	120.76
	Part No. ABS 331 Vent Ell (H x H)				4x4x2	02938	10	280	289.52
1½	02904	20	2880	\$43.86	4x4x3	02939	10	180	296.45
2	02905	30	1680	72.59	6x6x4*	02940	6	72	1,523.01
3	02906	25	700	179.97		Part No. ABS 403 Sanitary Tee, Street (SPG x H x H)			
	Part No. ABS 333 Vent Ell, Street (H x SPG)				1½	02942	20	1600	\$89.98
1½	02907	25	2800	\$43.84	2	02943	25	875	121.66
2	02908	20	2240	67.66	3	02944	30	360	208.51
	Part No. ABS 400 Sanitary Tee (ALL HUB)				4	02945	10	160	634.82
1½	02927	100	1800	\$36.23		Part No. ABS 404 Sanitary Tee, Street, Reducing (SPG x H x H)			
2	02928	35	980	55.80	2x1½x1½	02946	25	1225	\$90.37
3	02929	30	360	151.59	2x1½x2	02947	25	875	149.77
4	02930	5	140	269.54	2x2x1½	02948	50	1400	97.22
6	02931	6	72	1,344.67	3x3x1½	02949	10	490	298.45
	Part No. ABS 416 Sanitary Tee with Left Side Inlet (ALL HUB)				3x3x2	02950	20	560	249.25
	Part No. ABS 417 Sanitary Tee with Right Side Inlet (ALL HUB)					Part No. ABS 418 Sanitary Tee with Right and Left Side Inlets (ALL HUB)			
	Part No. ABS 418 Sanitary Tee with Right and Left Side Inlets (ALL HUB)				3x3x3x1½	14215	10	280	\$357.82
3x3x3x1½	12525	10	280	\$357.82	3x3x3x2	02958	10	280	344.78
3x3x3x2	02961	10	280	344.78		Part No. ABS 418 Sanitary Tee with Right and Left Side Inlets (ALL HUB)			
	Part No. ABS 418 Sanitary Tee with Right and Left Side Inlets (ALL HUB)				3x3x3x2x2	14216	10	280	\$484.82

*ABS-DWV fittings not listed by IAPMO

⚠ WARNING

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

Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each	Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each
 Part No. ABS 428 Double Sanitary Tee (ALL HUB)					 Part No. ABS 500 Double Fixture Fitting (ALL HUB)				
1½	02964	25	1225	\$103.20	2	03007	20	560	\$209.47
2	02965	20	700	137.07	2x1½x1½x1½	03009	20	700	142.40
3	02966	20	240	358.91	2x1½x2x2	03010	20	560	219.74
4	02967	4	112	677.77	2x2x1½x1½	04894	20	700	161.76
 Part No. ABS 429 Double Sanitary Tee, Reducing (ALL HUB)					3*	03008	10	160	484.38
2x2x1½x1½	02968	20	980	\$98.00	3x2x3x3*	03011	10	160	580.14
3x3x1½x1½	02969	20	360	423.14	 Part No. ABS 501 Combination Wye and 1/8 Bend (One Piece) (ALL HUB)				
3x3x2x2	02970	10	350	260.87	1½	03012	50	900	\$93.99
4x4x2x2	02971	5	245	688.11	2	03013	20	560	95.73
4x4x3x3	02972	5	140	661.91	3	03014	10	180	227.23
 Part No. ABS 441 Vent Tee (ALL HUB)					4	03015	10	120	475.13
1½	02977	25	2000	\$109.98	 Part No. ABS 502 Combination Wye and 1/8 Bend, Reducing (One Piece) (ALL HUB)				
2	02978	25	1225	91.23	2x1½x1½	03016	5	720	\$145.51
3	02979	10	490	303.87	2x2x1½	03018	20	980	104.63
 Part No. ABS 444 X Cleanout Tee with Cleanout Plug (H x H x FPT)					3x3x1½	03019	15	420	257.00
1½	02986	10	1440	\$104.12	3x3x2	03020	10	350	147.66
2	02987	10	1120	114.08	4x4x2	03021	5	175	265.97
3	02988	10	490	208.68	4x4x3	03022	5	140	341.21
4	02989	5	175	440.66	 Part No. ABS 600 Wye (ALL HUB)				
 Part No. ABS 445 Flush Cleanout Tee (H x H x FPT)					1½	03037	50	1400	\$65.55
1½	02990	20	2240	\$86.17	2	03038	25	875	78.35
2	02991	20	980	94.52	3	03039	20	240	168.51
3	02992	10	490	176.84	4	03040	5	140	342.68
4	02993	10	180	385.45	6	03041	4	48	1,031.08
 Part No. ABS 448 Two-Way Cleanout (ALL HUB)					 Part No. ABS 601 Wye, Reducing (ALL HUB)				
3*	03004	10	180	\$315.30	2x1½x1½	03042	25	1225	\$104.82
4*	03005	5	90	498.61	2x1½x2	03043	10	800	193.01
					2x2x1½	03044	25	1225	88.98
					3x3x1½	03045	15	525	162.28
					3x3x2	03046	25	400	118.35
					4x4x1½*	03047	5	175	558.30
					4x4x2	03048	10	180	218.68
					4x4x3	03049	10	160	295.82
					6x6x4*	03051	5	60	932.71

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	Part No. ABS 602 Wye, Street (SPG x H x H)					Part No. ABS 707 X P-Trap with Cleanout (H x H)			
1½	14292	50	1750	\$53.93	1½*	03092	10	1120	\$127.24
2	03055	30	840	136.20	2*	03093	10	560	363.70
3	03056	10	280	335.92					
4	14296	5	140	454.42					
	Part No. ABS 603 Wye, Street, Reducing (SPG x H x H)					Part No. ABS 708 P P-Trap (H x H with Plastic Nut)			
3x3x2*	03060	30	480	\$294.97	1½	03096	25	875	\$113.37
4x4x3	13464	10	160	525.87	2	03097	20	560	207.35
	Part No. ABS 611 Double Wye (ALL HUB)					Part No. ABS 708 X P-Trap (H x H with Chrome Nut)			
1½	03062	40	1120	\$184.22	1½	03098	25	1225	\$261.62
2	03063	20	560	219.90					
3	03064	15	180	494.23					
4	03065	5	80	967.70					
	Part No. ABS 612 Double Wye, Reducing (ALL HUB)					Part No. ABS 711 P L.A. Pattern P-Trap with Polyethylene Nut Furnished with 1½" and 1½" x 1¼" Polyethylene nut/washer combination. (SLIP x H with Plastic Nut)			
2x2x1½x1½	03066	10	560	\$209.93	1½	03102	25	700	\$180.41
3x3x2x2	03068	10	280	344.13					
4x4x3x3	03070	5	90	801.04					
	Part No. ABS 700 Return Bend (H x H)					Part No. ABS 711 W L.A. Pattern P-Trap with ABS Nut Furnished with a 1½" ABS nut, a 1½" washer and a 1½" x 1¼" washer (SLIP with Union x H)			
1½	03074	20	1600	\$79.67	1½ *	13281	25	700	\$217.39
2	03075	35	630	88.75					
3	03076	10	280	650.30					
4	03077	5	140	1,174.91					
	Part No. ABS 704 P Tail Piece Adapter with Plastic Nut and Packing Ring (SPG x SLIP)					Part No. ABS 720 X Drum Trap (H x H)			
1½	03081	25	3600	\$89.05	3x6x1½*	03106	15	420	\$317.70
	Part No. ABS 706 X P-Trap (H x H)					Part No. ABS 800 Closet Flange (H)			
1½	03084	25	1225	\$84.32	4x3	03108	25	700	\$98.21
2	03085	20	560	102.34	4x4	03109	25	700	98.21
3	03086	10	180	439.37					
4	03087	4	72	805.88		Part No. ABS 800 K Closet Flange with Knock Out (H)			
					4x3*	03110	25	700	\$119.80

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	Part No. ABS 800 S Closet Flange with Stop (H)					Part No. ABS 815 K Flush Closet Flange with Knockout (Fits Over 3'' Pipe or Inside 4'' Pipe)			
4x3	04197	25	700	\$98.87	4x4/4x3*	03125	25	875	\$278.79
	Part No. ABS 801 Closet Flange, Reducing (SPG)					Part No. ABS 820 Offset Closet Flange, Adjustable (with Metal Ring) (1 1/2'' Offset) (H)			
4x3	03112	25	875	\$132.27	4x3*	03126	15	525	\$324.67
	Part No. ABS 808 Male Closet Flange (MPT)					Part No. ABS 820 P Offset Closet Flange, Adjustable (with ABS Plastic Ring) (1 1/2'' Offset) (H)			
4x3	14294	25	700	\$100.58	4x3*	10193	15	525	\$523.35
	Part No. ABS 811 Closet Flange, Adjustable (with Metal Ring) (H)					Part No. ABS 824 Closet Flange, Adjustable (with Metal Ring and 4'' Extended Spigot) (SPG)			
4x3	03116	25	700	\$232.01	4	03129	20	360	\$444.62
4x4	03117	25	700	211.33		Part No. ABS 900 Swivel Tray Plug Adapter with Washer (SPG x FPT)			
	Part No. ABS 811 P Closet Flange, Adjustable (with ABS Plastic Ring) (H)				1 1/2	04161	30	4320	\$85.14
4x3*	10189	25	700	\$311.08		Part No. ABS 900 X Swivel Tray Plug Adapter with Washer, Extended (SPG x FPT)			
4x4*	10190	25	700	317.16	1 1/2 *	13463	10	2880	\$109.24
	Part No. ABS 812 Closet Flange, Adjustable (with Metal Ring) (SPG)					Part No. ABS 910 Swivel Tray Plug Adapter with Washer (H x FPT)			
4x3	03120	25	875	\$253.18	1 1/2	04162	30	4320	\$96.13
4x4	03121	25	700	273.71					
	Part No. ABS 812 P Closet Flange, Adjustable (with ABS Plastic Ring) (SPG)								
4x3*	10191	25	875	\$367.39					
	Part No. ABS 815 Flush Closet Flange (Fits Over 3'' Pipe or Inside 4'' Pipe)								
4x4/4x3*	03124	25	875	\$274.30					

*ABS-DWV Fittings Not Listed by IAPMO

TERMS AND CONDITIONS OF SALE

Terms and Conditions of Sale can be found at https://charlottepipe.com/terms_and_conditions.aspx

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 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.

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.

5/19/23

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

CHARLOTTE

PIPE AND FOUNDRY COMPANY®

PO BOX 35430

CHARLOTTE

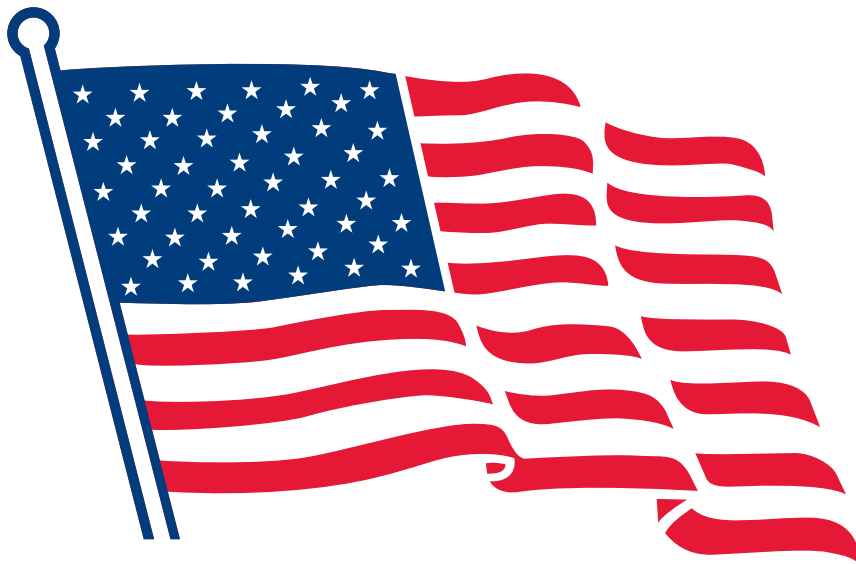
NORTH CAROLINA 28235

PHONE (704) 348-6450

(800) 438-6091

FAX (800) 553-1605

WWW.CHARLOTTEPIPE.COM



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

