

ABS DWV

List Price Schedule ABS-120
 Effective January 1, 2020
 (Updated April 6, 2020)
 Supersedes Price Schedule ABS-619

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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
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Part No. ABS 100
Coupling
 (H x H)

1 1/4 *	14212	100	4900	\$8.64
1 1/2	02701	100	5600	4.80
2	02702	100	4900	6.01
3	02703	60	1080	18.06
4	02704	25	700	30.20
6	02705	15	180	126.54



Part No. ABS 101
Female Adapter
 (H x FPT)

1 1/2	02706	100	5600	\$8.26
2	02707	100	4900	13.00
3	02708	30	1470	34.79
4	02709	10	560	39.77
6	02710	10	180	152.08



Part No. ABS 102
Pipe Increaser-Reducer
 (H x H)

1 1/2 x 2	02711	25	3600	\$12.85
1 1/2 x 3	02712	25	1400	38.09
2 x 3	02713	20	1600	30.52
2 x 4	02714	10	800	63.55
3 x 4	02715	20	1120	56.96



Part No. ABS 103
Trap Adapter - Male
 (DWV SPG x Tubular SLIP)

1 1/2	02717	50	7200	\$11.80
2	02718	25	3600	46.77



Part No. ABS 103P
Trap Adapter - Male
 (DWV SPG x Tubular SLIP with Washer & Polyethylene Nut)

1 1/2 x 1 1/4 *	02719	75	6000	\$16.34
1 1/2	02720	50	5600	11.84



Part No. ABS 103R
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)

1 1/2 *	12514	50	5600	\$13.28
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Part No. ABS 103W
Trap Adapter - Male
 (DWV SPG x Tubular SLIP with Washer & Plastic Nut)

1 1/2 x 1 1/4 *	13272	75	6000	\$16.53
1 1/2 *	12477	50	5600	13.93
2 *	12715	25	3600	41.55



Part No. ABS 103X
Trap Adapter - Male
 (DWV SPG x Tubular SLIP with Washer & Chrome Nut)

1 1/2 x 1 1/4	13273	100	8000	\$17.64
1 1/2	02723	50	5600	20.71



Part No. ABS 104
Trap Adapter - Female
 (DWV H x Tubular SLIP)

1 1/2 x 1 1/4 *	02727	50	5600	\$13.78
1 1/2	02728	50	7200	11.07

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 104P Trap Adapter - Female (DWV H x Tubular SLIP with Washer & Polyethylene Nut)					Part No. ABS 106 Cleanout Plug (MPT)			
1½x1¼*	02729	50	5600	\$14.55	1½	02753	50	7200	\$6.84
1½	02730	50	5600	12.45	2	02754	50	7200	7.48
					2½*	02755	25	3600	22.85
					3	02756	25	3600	12.16
					3½	02757	30	3360	49.55
					4	02758	30	2400	21.07
					6*	02759	10	800	71.26
	Part No. ABS 104R Trap Adapter with 1½ Plastic Nut and Washers to Fit 1½ and 1¼ Traps (DWV H x Tubular SLIP with Plastic Nut)					Part No. ABS 107 Flush Bushing (SPG x H)			
1½ *	04859	50	5600	\$13.61	1½x1¼	02765	100	14400	\$27.69
					2x1¼ *	12526	50	7200	11.98
	Part No. ABS 104W Trap Adapter - Female (DWV H x Tubular SLIP with Washer & Plastic Nut)				2x1½	02766	50	7200	7.34
1½x1¼ *	13276	50	5600	16.40	3x1½	02767	30	2400	32.11
1½ *	12476	50	5600	12.53	3x2	02768	30	2400	20.08
	Part No. ABS 104X Trap Adapter - Female (DWV H x Tubular SLIP with Washer & Chrome Nut)				4x2	02769	30	1470	59.66
1½*	02732	50	5600	\$19.91	4x3	02770	30	1470	31.61
1½x1¼	02731	50	5600	20.48	6x4	02771	10	490	167.58
2	13278	50	5600	54.52					
	Part No. ABS 105 Fitting Cleanout Adapter (SPG x FPT)					Part No. ABS 108 Flush Bushing (SPG x FPT)			
1½	02735	50	7200	\$10.14	2x1½	02775	50	7200	\$22.46
2	02736	50	4000	14.02					
3	02737	25	1225	35.38		Part No. ABS 109 Male Adapter (Will not accept a tail piece) (MPT x H)			
4	02738	10	560	66.30	1½	02782	50	7200	\$7.01
	Part No. ABS 105X Fitting Cleanout Adapter with Cleanout Plug (SPG x FPT)				2	02784	50	5600	12.26
1½	02741	50	5600	\$16.98	3	02785	25	1400	32.89
2	02742	50	2800	21.50	4	02786	25	875	66.75
3	02743	25	1125	47.54		Part No. ABS 110 Flush Cleanout Plug (MPT)			
4	02744	10	560	87.37	2	02787	25	7200	\$35.52
					3	02788	50	7200	40.55
					4	02789	25	3600	43.28
						Part No. ABS 111 Male Fitting Adapter (SPG x MPT)			
					1½	02793	50	7200	\$20.23
					2	14302	25	3600	41.77

*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 113S 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	\$18.73	2x2	02812	20	1600	\$73.67
	Part No. ABS 114 Threaded Cap [FPT]				4x4	14213	20	1600	108.60
1½	02796	15	5400	\$13.96		Part No. ABS 130 Repair Coupling [H x H]			
	Part No. ABS 116 Cap [SOCKET]				1½ *	02826	25	3600	\$31.86
1½	02797	10	2880	\$15.97	2*	02827	25	3600	16.98
2	02798	5	1800	22.08	3*	02828	10	1120	42.17
3	02799	10	1440	45.65	4*	02829	5	560	81.09
4	02800	5	560	44.66		Part No. 131** Test Cap			
6 ^(F)	14303	5	175	93.22	1½ *				**
	Part No. ABS 117 Adapter Coupling [Adapts S&D Spigot to DWV Spigot] [H x H]				2*				**
4x3	02801	20	1120	\$44.75	3*				**
4x4	12865	20	1120	73.20	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	\$26.22	1½	02840	100	2800	\$9.33
4	02803	10	1440	32.76	2	02841	50	1400	14.37
	Part No. ABS 119 No-Hub Adapter [SPG x H] [Adapts Cast Iron NH Spigot to DWV Spigot]				3	02842	25	450	36.19
2	02805	25	3600	\$24.47	4	02843	10	180	74.34
3	02807	20	1600	45.53	6	02844	5	60	316.99
4	02808	15	840	65.99		Part No. ABS 300R 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	\$61.92
2x2	02810	10	1440	\$63.19		Part No. ABS 300S 1/4 Bend with Side Inlet [H x H]			
4x4	02811	15	420	113.08	3x3x2*	02846	10	350	\$103.01

(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	\$12.04	1½	02871	40	3200	\$51.76
2	02851	50	1750	20.12	2	02872	25	2000	51.22
3	02852	20	560	44.21	3	02873	20	700	146.64
4	02853	10	180	88.39	 Part No. ABS 321 1/8 Bend (H x H)				
 Part No. ABS 303 1/4 Bend with Low Heel Inlet (ALL HUB)					1½	02875	100	3500	\$8.52
3x3x2	02856	25	400	\$60.91	2	02876	50	1750	13.20
4x4x2	14214	15	180	178.51	3	02877	20	560	31.63
 Part No. ABS 304 Long Sweep 1/4 Bend (H x H)					4	02878	10	280	59.58
1½	02858	50	1750	\$15.15	6	02879	3	84	265.30
2	02859	25	1225	20.11	 Part No. ABS 323 1/8 Bend, Street (SPG x H)				
3	02860	10	350	49.19	1½	02880	100	3500	\$10.65
4	02861	5	175	84.15	2	02881	50	1750	14.13
 Part No. ABS 307 Long Sweep 1/4 Bend with Low Heel Inlet (ALL HUB)					3	02882	20	700	34.95
3x3x1½ *	13469	25	300	\$110.49	4	02883	10	280	60.57
3x3x2	13280	25	300	96.50	6	02884	3	84	332.60
 Part No. ABS 309 Long Sweep 1/4 Bend, Street (H x SPG)					 Part No. ABS 324 1/16 Bend (H x H)				
1½	04193	50	2450	\$21.01	1½	02886	50	4000	\$12.47
2	04191	25	1225	23.74	2	02887	25	2000	14.21
3	02864	20	360	88.99	3	02888	20	700	36.55
 Part No. ABS 310 1/4 Bend, Street with Low Heel Inlet (H x SPG x H)					4	02889	15	420	55.64
3x3x2	02865	15	420	\$87.45	6	02890	3	84	663.30
 Part No. ABS 319 1/6 Bend (H x H)					 Part No. ABS 326 1/16 Bend, Street (SPG x H)				
1½	02867	40	3200	\$16.48	1½	02891	50	4000	\$35.51
2	02868	25	1400	23.39	2	02892	25	2800	32.12
3	02869	20	560	75.09	3	02893	20	700	54.48
4	02870	10	280	113.34	4	02894	10	490	95.07
					 Part No. ABS 327 Double 1/4 Bend (ALL HUB)				
					1½ *	02896	20	1600	\$40.83
					2 *	02897	25	875	55.97
					2x1½x1½ *	02898	25	1400	61.09
					3 *	02899	10	280	206.67

*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 (HxH)					Part No. ABS 401 Sanitary Tee, Reducing (ALL HUB)			
3x4	02900	10	280	\$55.95	2x1½x1½	02932	25	1225	\$18.93
	Part No. ABS 330 Closet Bend, Reducing (HxSPG)				2x1½x2	02933	25	875	21.32
3x4	02901	10	280	\$98.11	2x2x1½	02934	50	900	18.50
	Part No. ABS 330X Closet Bend, Reducing with Test Cap (HxSPG)				3x3x1½	02935	20	560	39.76
3x4*	02902	10	280	\$106.13	3x3x2	02936	10	490	46.09
	Part No. ABS 331 Vent Ell (HxH)				4x4x2	02938	10	280	110.53
1½	02904	20	2880	\$16.75	4x4x3	02939	10	180	103.49
2	02905	30	1680	27.71	6x6x4*	02940	6	72	581.43
3	02906	25	700	68.70		Part No. ABS 403 Sanitary Tee, Street (SPGxHxH)			
	Part No. ABS 333 Vent Ell, Street (HxSPG)				1½	02942	20	1600	\$34.34
1½	02907	25	2800	\$15.31	2	02943	25	875	46.45
2	02908	20	2240	\$25.82	3	02944	30	360	79.61
	Part No. ABS 400 Sanitary Tee (ALL HUB)				4	02945	10	160	242.36
1½	02927	100	1800	\$13.80		Part No. ABS 404 Sanitary Tee, Street, Reducing (SPGxHxH)			
2	02928	35	980	21.26	2x1½x1½	02946	25	1225	\$34.49
3	02929	30	360	57.88	2x1½x2	02947	25	875	57.18
4	02930	5	140	102.89	2x2x1½	02948	50	1400	37.12
6	02931	6	72	513.34	3x3x1½	02949	10	490	113.94
	Part No. ABS 416 Sanitary Tee with Left Side Inlet (ALL HUB)				3x3x2	02950	20	560	95.16
3x3x3x1½	14215	10	280	\$124.92		Part No. ABS 417 Sanitary Tee with Right Side Inlet (ALL HUB)			
3x3x3x2	02958	10	280	131.62	3x3x3x1½	12525	10	280	\$124.92
	Part No. ABS 418 Sanitary Tee with Right and Left Side Inlets (ALL HUB)				3x3x3x2	02961	10	280	131.62
3x3x3x2x2	14216	10	280	\$169.25					

*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 428 Double Sanitary Tee (ALL HUB)					 Part No. ABS 500 Double Fixture Fitting (ALL HUB)				
1½	02964	25	1225	\$36.03	2	03007	20	560	\$79.97
2	02965	20	700	52.32	2x1½x1½x1½	03009	20	700	54.36
3	02966	20	240	137.02	2x1½x2x2	03010	20	560	83.89
4	02967	4	112	258.75	2x2x1½x1½	04894	20	700	61.75
 Part No. ABS 429 Double Sanitary Tee, Reducing (ALL HUB)					3*	03008	10	160	184.92
2x2x1½x1½	02968	20	980	\$37.41	3x2x3x3*	03011	10	160	221.48
3x3x1½x1½	02969	20	360	161.54	 Part No. ABS 501 Combination Wye and 1/8 Bend (One Piece) (ALL HUB)				
3x3x2x2	02970	10	350	91.08	1½	03012	50	900	\$35.88
4x4x2x2	02971	5	245	262.69	2	03013	20	560	36.55
4x4x3x3	02972	5	140	252.69	3	03014	10	180	86.75
 Part No. ABS 441 Vent Tee (ALL HUB)					4	03015	10	120	181.38
1½	02977	25	2000	\$41.99	 Part No. ABS 502 Combination Wye and 1/8 Bend, Reducing (One Piece) (ALL HUB)				
2	02978	25	1225	34.82	2x1½x1½	03016	5	720	\$55.55
3	02979	10	490	116.00	2x2x1½	03018	20	980	36.53
 Part No. ABS 444X Cleanout Tee with Cleanout Plug (HxH)					3x3x1½	03019	15	420	98.11
1½	02986	10	1440	\$39.75	3x3x2	03020	10	350	56.37
2	02987	10	1120	43.56	4x4x2	03021	5	175	101.54
3	02988	10	490	79.66	4x4x3	03022	5	140	130.26
4	02989	5	175	168.22	 Part No. ABS 600 Wye (ALL HUB)				
 Part No. ABS 445 Flush Cleanout Tee (HxHxFPT)					1½	03037	50	1400	\$22.88
1½	02990	20	2240	\$32.91	2	03038	25	875	29.91
2	02991	20	980	36.08	3	03039	25	300	64.33
3	02992	10	490	67.50	4	03040	5	140	130.82
4	02993	10	180	147.15	6	03041	4	48	393.64
 Part No. ABS 448 Two-Way Cleanout (ALL HUB)					 Part No. ABS 601 Wye, Reducing (ALL HUB)				
3*	03004	10	180	\$120.36	2x1½x1½	03042	25	1225	\$40.02
4*	03005	5	90	190.35	2x1½x2	03043	10	800	73.67
					2x2x1½	03044	25	1225	33.97
					3x3x1½	03045	15	525	56.65
					3x3x2	03046	25	400	45.07
					4x4x1½*	03047	5	175	194.92
					4x4x2	03048	10	180	83.49
					4x4x3	03049	10	160	112.92
					6x6x4*	03051	5	60	356.08

*ABS-DWV fittings not listed by IAPMO

ABS piping products are not recommended for use with compressed air or gases.

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 602 Wye, Street (SPG x H x H)					 Part No. ABS 707X P-Trap with Cleanout (H x H)				
1½	14292	50	1750	\$18.82	1½*	03092	10	1120	\$48.57
2	03055	30	840	51.99	2*	03093	10	560	138.85
3	03056	10	280	128.24					
4	14296	5	140	173.49					
 Part No. ABS 603 Wye, Street, Reducing (SPG x H x H)					 Part No. ABS 708P P-Trap (H x H with Plastic Nut)				
3x3x2*	03060	30	480	\$112.60	1½	03096	25	875	\$43.28
4x4x3	13464	10	160	200.75	2	03097	20	560	79.16
 Part No. ABS 611 Double Wye (ALL HUB)					 Part No. ABS 708X P-Trap (H x H with Chrome Nut)				
1½	03062	40	1120	\$70.33	1½	03098	25	1225	\$91.34
2	03063	20	560	83.94					
3	03064	15	180	188.67					
4	03065	5	80	369.42					
 Part No. ABS 612 Double Wye, Reducing (ALL HUB)					 Part No. ABS 711P 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	\$80.14	1½	03102	25	700	\$68.87
3x3x2x2	03068	10	280	131.38					
4x4x3x3	03070	5	90	305.82					
 Part No. ABS 700 Return Bend (H x H)					 Part No. ABS 711W 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	\$27.81	1½ *	13281	25	700	\$83.00
2	03075	35	630	30.99					
3	03076	10	280	227.04					
4	03077	5	140	410.18					
 Part No. ABS 704P Tail Piece Adapter with Plastic Nut and Packing Ring (SPG x SLIP)					 Part No. ABS 720X Drum Trap (H x H)				
1½	03081	25	3600	\$31.08	3x6x1½*	03106	15	420	\$121.27
 Part No. ABS 706X P-Trap (H x H)					 Part No. ABS 800 Closet Flange (H)				
1½	03084	25	1225	\$32.18	4x3	03108	25	700	\$37.49
2	03085	20	560	38.99	4x4	03109	25	700	34.29
3	03086	10	180	167.73					
4	03087	4	72	307.65					
					 Part No. ABS 800K Closet Flange with Knock Out (H)				
					4x3*	03110	25	700	\$45.74

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	Part No. ABS 800S Closet Flange with Stop (H)					Part No. ABS 815K Flush Closet Flange with Knockout (Fits Over 3'' Pipe or Inside 4'' Pipe)			
4x3	04197	25	700	\$34.51	4x4/4x3*	03125	25	875	\$97.33
	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	\$50.49	4x3*	03126	15	525	\$123.95
	Part No. ABS 808 Male Closet Flange (MPT)					Part No. ABS 820P Offset Closet Flange, Adjustable (with ABS Plastic Ring) (1 1/2'' Offset) (H)			
4x3	14294	25	700	\$35.12	4x3*	10193	15	525	\$199.80
	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	\$88.57	4	03129	20	360	\$155.23
4x4	03117	25	700	80.68		Part No. ABS 900 Swivel Tray Plug Adapter with Washer (SPG x FPT)			
	Part No. ABS 811P Closet Flange, Adjustable (with ABS Plastic Ring) (H)				1 1/2	04161	30	4320	\$29.72
4x3*	10189	25	700	\$108.60		Part No. ABS 900X Swivel Tray Plug Adapter with Washer, Extended (SPG x FPT)			
4x4*	10190	25	700	110.72	1 1/2 *	13463	10	2880	\$38.13
	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	\$96.66	1 1/2	04162	30	4320	\$33.56
4x4	03121	25	700	104.50					
	Part No. ABS 812P Closet Flange, Adjustable (with ABS Plastic Ring) (SPG)								
4x3*	10191	25	875	\$140.25					
	Part No. ABS 815 Flush Closet Flange (Fits Over 3'' Pipe or Inside 4'' Pipe)								
4x4/4x3*	03124	25	875	\$95.76					

*ABS-DWV Fittings Not Listed by IAPMO

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

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



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



WARNING

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

You can't beat the system.®