

# PVC Schedule 80

List Price Schedule PVC 80-621  
Effective June 1, 2021  
Supersedes Price Schedule PVC 80-521

Possession of this price list shall not be construed as an offer to sell the products listed.  
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## >> PVC Schedule 80 Fittings

ASTM D 1784  
ASTM D 2464 & D 2467

Size	Universal Part No.	UPC # 611942-	Carton Qty	List Price Each	Size	Universal Part No.	UPC # 611942-	Carton Qty	List Price Each
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**Part No. PVC 8400 Tee**  
[SxSxS]

1/2	801-005	05393	25	<b>\$16.52</b>
3/4	801-007	05394	15	<b>17.32</b>
1	801-010	05395	15	<b>21.67</b>
1 1/4	801-012	05396	10	<b>59.54</b>
1 1/2	801-015	05397	10	<b>59.54</b>
2	801-020	05398	10	<b>74.44</b>
2 1/2	801-025	05399	10	<b>80.94</b>
3	801-030	05400	5	<b>101.14</b>
4	801-040	05401	5	<b>117.81</b>
6	801-060	07892	4	<b>400.15</b>
8	801-080	07553	2	<b>928.09</b>
10	801-100	14893	-	*
12	801-120	14894	-	*

\* See Charlotte Pipe PVC 80 Large Diameter List Price Sheet

S = SOCKET

SPG = SPIGOT

MPT = MALE PIPE THREAD

FPT = FEMALE PIPE THREAD



**Part No. PVC 8400 Reducing Tee**  
[SxSxS]

3/4 x 3/4 x 1/2	801-101	07882	15	<b>\$12.69</b>
1 x 1 x 1/2	801-130	11424	15	<b>18.30</b>
1 x 1 x 3/4	801-131	07883	15	<b>18.30</b>
1 1/4 x 1 1/4 x 1	801-168	07884	15	<b>39.75</b>
1 1/2 x 1 1/2 x 3/4	801-210	11425	10	<b>39.75</b>
1 1/2 x 1 1/2 x 1	801-211	07885	10	<b>39.75</b>
1 1/2 x 1 1/2 x 1 1/4	801-212	07886	10	<b>40.06</b>
2 x 2 x 1/2	801-247	11426	10	<b>50.34</b>
2 x 2 x 3/4	801-248	11427	10	<b>50.34</b>
2 x 2 x 1	801-249	07887	10	<b>50.34</b>
2 x 2 x 1 1/2	801-251	07888	10	<b>50.34</b>
3 x 3 x 2	801-338	07889	5	<b>92.30</b>
4 x 4 x 2	801-420	10344	5	<b>149.94</b>
4 x 4 x 3	801-422	07890	5	<b>149.15</b>
6 x 6 x 2	801-528	10342	5	<b>391.01</b>
6 x 6 x 4	801-532	07891	4	<b>400.15</b>
8 x 8 x 6	801-585	09760	2	<b>935.44</b>



**Part No. PVC 8401 Tee**  
[SxSxFPT]

1/2	802-005	09143	20	<b>\$26.15</b>
3/4	802-007	09145	15	<b>33.82</b>
1	802-010	09146	15	<b>39.57</b>

**You can't beat the system.®**

Size	Universal Part No.	UPC # 611942-	Carton Qty	List Price Each	Size	Universal Part No.	UPC # 611942-	Carton Qty	List Price Each
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**Part No. PVC 8402**  
**Tee**  
(FPT x FPT x FPT)

½	805-005	07611	20	<b>\$19.11</b>
¾	805-007	07612	15	<b>21.27</b>
1	805-010	07613	10	<b>47.17</b>
1¼	805-012	07614	10	<b>50.16</b>
1½	805-015	07615	10	<b>60.32</b>
2	805-020	07616	10	<b>64.84</b>
3	805-030	09746	5	<b>248.54</b>
4	805-040	09747	5	<b>403.92</b>



**Part No. PVC 8300**  
**90 Degree Elbow**  
(S x S)

½	806-005	05375	25	<b>\$5.88</b>
¾	806-007	05376	20	<b>7.54</b>
1	806-010	05377	10	<b>12.13</b>
1¼	806-012	05378	10	<b>16.14</b>
1½	806-015	05379	15	<b>17.39</b>
2	806-020	05380	15	<b>21.03</b>
2½	806-025	05381	5	<b>49.18</b>
3	806-030	05382	5	<b>54.99</b>
4	806-040	05383	4	<b>83.61</b>
6	806-060	07524	4	<b>237.96</b>
8	806-080	07873	2	<b>655.85</b>
10	806-100	14888	-	*
12	806-120	14889	-	*

\* See Charlotte Pipe PVC 80 Large Diameter List Price Sheet



**Part No. PVC 8301**  
**90 Degree Elbow**  
(S x FPT)

½	807-005	09718	20	<b>\$23.05</b>
¾	807-007	09719	20	<b>27.11</b>
1	807-010	09720	10	<b>29.34</b>
1¼	807-012	09721	10	<b>34.06</b>
1½	807-015	09732	10	<b>40.34</b>
2	807-020	09733	10	<b>52.26</b>






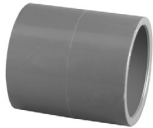
**Part No. PVC 8302**  
**90 Degree Elbow**  
(FPT x FPT)

½	808-005	07596	20	<b>\$13.56</b>
¾	808-007	07597	15	<b>16.90</b>
1	808-010	07598	10	<b>21.27</b>
1¼	808-012	07599	10	<b>23.04</b>
1½	808-015	07600	10	<b>32.66</b>
2	808-020	07601	10	<b>36.60</b>
3	808-030	09738	5	<b>231.66</b>
4	808-040	09739	5	<b>407.57</b>



**Part No. PVC 8309**  
**45 Degree Elbow**  
(S x S)

½	817-005	05384	20	<b>\$11.03</b>
¾	817-007	05385	25	<b>16.86</b>
1	817-010	05386	15	<b>25.26</b>
1¼	817-012	05387	10	<b>32.20</b>
1½	817-015	05388	10	<b>38.05</b>
2	817-020	05389	10	<b>49.34</b>
2½	817-025	05390	5	<b>103.60</b>
3	817-030	05391	5	<b>126.11</b>
4	817-040	05392	5	<b>227.06</b>
6	817-060	07876	5	<b>285.96</b>
8	817-080	07877	2	<b>619.97</b>
10	817-100	14891	-	*
12	817-120	14892	-	*

Size	Universal Part No.	UPC # 611942-	Carton Qty	List Price Each	Size	Universal Part No.	UPC # 611942-	Carton Qty	List Price Each
 <p><b>Part No. PVC 8312 45 Degree Elbow (FPT x FPT)</b></p>					 <p><b>Part No. PVC 8100 Reducer Coupling (S x S)</b></p>				
1/2	819-005	07605	20	<b>\$21.88</b>	3/4 x 1/2	829-101	05344	10	<b>\$13.00</b>
3/4	819-007	07606	10	<b>23.62</b>	1 x 1/2	829-130	05345	10	<b>18.14</b>
1	819-010	07607	10	<b>29.58</b>	1 x 3/4	829-131	05346	10	<b>18.89</b>
1 1/4	819-012	07608	10	<b>45.02</b>	1 1/4 x 1	829-168	05347	10	<b>38.42</b>
1 1/2	819-015	07609	10	<b>56.78</b>	1 1/2 x 1	829-211	05348	10	<b>40.20</b>
2	819-020	07610	10	<b>84.15</b>	1 1/2 x 1 1/4	829-212	05349	10	<b>49.69</b>
3	819-030	09749	5	<b>267.82</b>	2 x 1	829-249	05350	10	<b>45.37</b>
 <p><b>Part No. PVC 8600 Wye (S x S x S)</b></p>					 <p><b>Part No. PVC 8102 Coupling (FPT x FPT)</b></p>				
1 1/2 †	875-015	11433	20	<b>\$63.04</b>	2 x 1 1/2	829-251	05351	10	<b>45.37</b>
2 †	875-020	11434	10	<b>180.92</b>	3 x 2	829-338	05352	5	<b>111.42</b>
3 †	875-030	11435	5	<b>577.00</b>	4 x 2	829-420	05353	5	<b>212.40</b>
4 §	875-040	11436	4	<b>714.92</b>	4 x 3	829-422	05354	5	<b>209.90</b>
6 §	875-060	11437	3	<b>976.45</b>	6 x 4	829-532	07497	4	<b>428.13</b>
<p>† Maximum pressure rating 250 psi at 73°F § Maximum pressure rating 150 psi at 73°F</p>					 <p><b>Part No. PVC 8100 Coupling (S x S)</b></p>				
1/2	829-005	05335	25	<b>\$10.60</b>	1/2	830-005	07587	25	<b>\$11.85</b>
3/4	829-007	05336	25	<b>14.41</b>	3/4	830-007	07588	25	<b>16.92</b>
1	829-010	05337	20	<b>14.82</b>	1	830-010	07589	15	<b>18.17</b>
1 1/4	829-012	05338	10	<b>22.47</b>	1 1/4	830-012	07590	10	<b>22.47</b>
1 1/2	829-015	05339	10	<b>24.23</b>	1 1/2	830-015	07591	10	<b>49.99</b>
2	829-020	05340	10	<b>26.15</b>	2	830-020	07592	10	<b>52.51</b>
2 1/2	829-025	05341	5	<b>64.04</b>	3	830-030	09755	5	<b>148.11</b>
3	829-030	05342	5	<b>73.53</b>	4	830-040	09756	5	<b>256.44</b>
4	829-040	05343	5	<b>92.09</b>					
6	829-060	07495	4	<b>198.18</b>					
8	829-080	07496	2	<b>269.70</b>					
10	829-100	14883	-	*					
12	829-120	14884	-	*					

\* See Charlotte Pipe PVC 80 Large Diameter List Price Sheet

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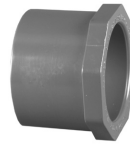
**Part No. PVC 8101  
Female Adapter  
(S x FPT)**

1/2	835-005	07498	25	<b>\$9.91</b>
3/4	835-007	07499	15	<b>14.76</b>
1	835-010	07500	15	<b>21.74</b>
1 1/4	835-012	07501	10	<b>35.24</b>
1 1/2	835-015	07502	10	<b>43.17</b>
2	835-020	07503	10	<b>75.33</b>
2 1/2	835-025	07504	5	<b>118.95</b>
3	835-030	07505	5	<b>133.87</b>
4	835-040	07506	5	<b>230.12</b>



**Part No. PVC 8109  
Male Adapter  
(S x MPT)**

1/2	836-005	07808	25	<b>\$12.40</b>
3/4	836-007	07812	25	<b>13.75</b>
1	836-010	07814	10	<b>23.77</b>
1 1/4	836-012	07816	10	<b>27.66</b>
1 1/2	836-015	07818	10	<b>39.75</b>
2	836-020	07819	10	<b>57.78</b>
2 1/2	836-025	07821	5	<b>65.33</b>
3	836-030	07823	5	<b>72.52</b>
4	836-040	07827	5	<b>129.03</b>



**Part No. PVC 8107  
Reducer Bushing (Flush Style)  
(SPG x S)**

3/4 x 1/2	837-101	05355	50	<b>\$3.42</b>
1 x 1/2	837-130	07593	50	<b>9.80</b>
1 x 3/4	837-131	05357	50	<b>9.80</b>
1 1/4 x 1/2	837-166	10348	25	<b>15.34</b>
1 1/4 x 3/4	837-167	10347	25	<b>15.34</b>
1 1/4 x 1	837-168	05358	25	<b>15.34</b>
1 1/2 x 1/2	837-209	07594	20	<b>20.90</b>
1 1/2 x 3/4	837-210	07595	20	<b>20.90</b>
1 1/2 x 1	837-211	05359	20	<b>20.90</b>
1 1/2 x 1 1/4	837-212	05360	25	<b>20.90</b>
2 x 1/2	837-247	10346	10	<b>29.80</b>
2 x 3/4	837-248	10345	10	<b>29.80</b>
2 x 1	837-249	07755	10	<b>29.80</b>
2 x 1 1/4	837-250	07760	10	<b>29.80</b>
2 x 1 1/2	837-251	05362	10	<b>29.80</b>
2 1/2 x 1	837-289	11411	10	<b>69.23</b>
2 1/2 x 1 1/4	837-290	11412	10	<b>52.17</b>
2 1/2 x 1 1/2	837-291	07762	10	<b>51.76</b>
2 1/2 x 2	837-292	07765	10	<b>51.76</b>
3 x 1	837-335	11413	10	<b>82.80</b>
3 x 1 1/4	837-336	11414	10	<b>82.80</b>
3 x 1 1/2	837-337	07793	10	<b>82.13</b>
3 x 2	837-338	05363	10	<b>82.13</b>
3 x 2 1/2	837-339	09534	10	<b>82.13</b>
4 x 2	837-420	08374	10	<b>113.70</b>
4 x 3	837-422	05365	10	<b>113.70</b>
6 x 3	837-530	07794	5	<b>158.09</b>
6 x 4	837-532	07795	5	<b>158.09</b>
8 x 6	837-585	09272	4	<b>384.61</b>
10 x 8	837-628	14885	-	*
12 x 10	837-670	14887	-	*

\* See Charlotte Pipe PVC 80 Large Diameter List Price Sheet

Size	Universal Part No.	UPC # 611942-	Carton Qty	List Price Each	Size	Universal Part No.	UPC # 611942-	Carton Qty	List Price Each
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**Part No. PVC 8108**  
**Reducer Bushing (Flush Style)**  
(SPG x FPT)

3/4 x 1/2	838-101	07391	50	<b>\$6.16</b>
1 x 1/2	838-130	07796	40	<b>9.80</b>
1 x 3/4	838-131	07392	40	<b>9.80</b>
1 1/4 x 3/4	838-167	11415	25	<b>19.88</b>
1 1/4 x 1	838-168	07507	25	<b>19.88</b>
1 1/2 x 1/2	838-209	11416	25	<b>24.90</b>
1 1/2 x 3/4	838-210	07797	25	<b>24.90</b>
1 1/2 x 1	838-211	07508	15	<b>24.90</b>
1 1/2 x 1 1/4	838-212	07509	15	<b>24.90</b>
2 x 1/2	838-247	11417	25	<b>30.70</b>
2 x 3/4	838-248	07798	10	<b>30.44</b>
2 x 1	838-249	07510	10	<b>30.44</b>
2 x 1 1/4	838-250	07511	10	<b>30.44</b>
2 x 1 1/2	838-251	07512	10	<b>30.44</b>
2 1/2 x 2	838-292	07514	10	<b>65.01</b>
3 x 2	838-338	07515	5	<b>119.38</b>
3 x 2 1/2	838-339	09512	10	<b>120.37</b>
4 x 2	838-420	11418	6	<b>184.87</b>
4 x 3	838-422	07799	6	<b>183.40</b>



**Part No. PVC 8200**  
**Reducer Bushing (Flush Style)**  
(MPT x FPT)

3/4 x 1/2	839-101	07831	50	<b>\$13.12</b>
1 x 1/2	839-130	07845	50	<b>20.56</b>
1 x 3/4	839-131	07850	50	<b>20.56</b>
1 1/4 x 3/4	839-167	11419	50	<b>21.81</b>
1 1/4 x 1	839-168	07852	25	<b>21.81</b>
1 1/2 x 1/2	839-209	11420	25	<b>26.03</b>
1 1/2 x 3/4	839-210	07949	25	<b>25.84</b>
1 1/2 x 1	839-211	07854	20	<b>25.84</b>
1 1/2 x 1 1/4	839-212	07857	20	<b>25.84</b>
2 x 1/2	839-247	11421	25	<b>37.84</b>
2 x 3/4	839-248	07950	25	<b>37.84</b>
2 x 1	839-249	07861	10	<b>37.84</b>
2 x 1 1/4	839-250	11422	25	<b>37.84</b>
2 x 1 1/2	839-251	07863	10	<b>37.84</b>
2 1/2 x 2	839-292	07866	10	<b>51.26</b>
3 x 2	839-338	07871	10	<b>69.68</b>
4 x 2	839-420	11423	10	<b>143.61</b>



**Part No. PVC 8116**  
**Cap**  
(SOCKET)

1/2	847-005	05366	25	<b>\$10.38</b>
3/4	847-007	05367	25	<b>10.94</b>
1	847-010	05368	25	<b>19.45</b>
1 1/4	847-012	05369	10	<b>23.44</b>
1 1/2	847-015	05370	10	<b>23.44</b>
2	847-020	05371	10	<b>46.29</b>
2 1/2	847-025	05372	5	<b>94.53</b>
3	847-030	05373	5	<b>110.61</b>
4	847-040	05374	5	<b>186.54</b>
6	847-060	07516	4	<b>464.02</b>
8	847-080	07517	3	<b>595.75</b>

## **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 PFFA's website and ASTM D 1785.

Size	Universal Part No.	UPC # 611942-	Carton Qty	List Price Each	Size	Universal Part No.	UPC # 611942-	Carton Qty	List Price Each
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**Part No. PVC 8117  
Cap  
(FPT)**

½	848-005	07518	25	<b>\$13.00</b>
¾	848-007	07519	25	<b>14.53</b>
1	848-010	07520	15	<b>18.30</b>
1¼	848-012	07521	10	<b>21.81</b>
1½	848-015	07522	10	<b>24.90</b>
2	848-020	07523	10	<b>48.91</b>
3	848-030	09694	5	<b>116.12</b>
4	848-040	09692	5	<b>204.47</b>



**Part No. PVC 8113  
Plug  
(MPT)**

½	850-005	09312	25	<b>\$10.00</b>
¾	850-007	09313	25	<b>10.38</b>
1	850-010	09314	15	<b>12.73</b>
1¼	850-012	09315	10	<b>18.76</b>
1½	850-015	09316	10	<b>22.78</b>
2	850-020	09317	10	<b>23.40</b>



**Part No. PVC 8500  
Flange (One Piece)\*\*  
(SOCKET)**

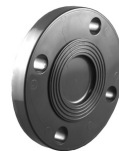
½	851-005	09332	25	<b>\$32.35</b>
¾	851-007	09333	25	<b>34.59</b>
1	851-010	09334	15	<b>38.20</b>
1¼	851-012	09335	15	<b>39.66</b>

\*\* See Charlotte Pipe® Plastics Technical Manual for pressure rating.



**Part No. PVC 8560  
Flange (One Piece)\*\*  
(FPT)**

½	852-005	09340	25	<b>\$38.72</b>
¾	852-007	09341	25	<b>45.38</b>
1	852-010	09342	15	<b>49.29</b>
1¼	852-012	09343	15	<b>68.51</b>
1½	852-015	09344	15	<b>74.76</b>
2	852-020	09345	10	<b>75.86</b>



**Part No. PVC 8510\*\*  
Blind Flange**

2	853-020	11428	10	<b>\$134.30</b>
3	853-030	11429	5	<b>264.02</b>
4	853-040	11430	5	<b>328.90</b>
6	853-060	11431	5	<b>399.69</b>
8	853-080	11432	5	<b>500.29</b>



**Part No. PVC 8530  
Van Stone Flange\*\*  
(SOCKET)**

1½	854-015	07393	20	<b>\$40.13</b>
2	854-020	07525	10	<b>53.45</b>
2½	854-025	07526	10	<b>82.55</b>
3	854-030	07527	10	<b>91.23</b>
4	854-040	07528	5	<b>115.99</b>
6	854-060	07529	5	<b>181.51</b>
8	854-080	07530	2	<b>297.13</b>
10	854-100	09352	2	*
12	854-120	09353	2	*

\* See Charlotte Pipe PVC 80 Large Diameter List Price Sheet

\*\* See Charlotte Pipe® Plastics Technical Manual for pressure rating.

Size	Universal Part No.	UPC # 611942-	Carton Qty	List Price Each	Size	Universal Part No.	UPC # 611942-	Carton Qty	List Price Each
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**Part No. PVC 8700\*\***  
**Union With Viton® O-Ring Seal**  
**(SxS)**

½	857-005	09152	10	<b>\$21.85</b>
¾	857-007	09153	10	<b>27.63</b>
1	857-010	09154	10	<b>31.52</b>
1¼	857-012	09155	5	<b>62.62</b>
1½	857-015	09156	5	<b>70.90</b>
2	857-020	09157	5	<b>96.11</b>
3	857-030	09158	5	<b>179.00</b>



**Part No. PVC 8800\*\***  
**Union With Viton® O-Ring Seal**  
**(FPT x FPT)**

½	858-005	09172	10	<b>\$25.33</b>
¾	858-007	09173	10	<b>35.49</b>
1	858-010	09174	10	<b>46.96</b>
1¼	858-012	09175	5	<b>90.08</b>
1½	858-015	09176	5	<b>111.83</b>
2	858-020	09177	5	<b>172.06</b>
3	858-030	09178	5	<b>435.29</b>



**Part No. PVC 8820\*\***  
**Union With Viton® O-Ring Seal**  
**(Sx FPT)**

½	859-005	11456	10	<b>\$26.62</b>
¾	859-007	11457	10	<b>37.22</b>
1	859-010	11458	10	<b>49.63</b>
1½	859-015	11460	5	<b>117.04</b>
2	859-020	11461	5	<b>180.20</b>



**Part No. PVC 8710\*\***  
**Union With EPDM O-Ring Seal**  
**(SxS)**

½	897-005	09224	10	<b>\$21.54</b>
¾	897-007	09225	10	<b>27.27</b>
1	897-010	09226	10	<b>31.23</b>
1¼	897-012	09227	5	<b>61.86</b>
1½	897-015	09228	5	<b>70.01</b>
2	897-020	09229	5	<b>95.00</b>
3	897-030	09230	5	<b>176.75</b>



**Part No. PVC 8810\*\***  
**Union With EPDM O-Ring Seal**  
**(FPT x FPT)**

½	898-005	09238	10	<b>\$25.04</b>
¾	898-007	09239	10	<b>34.83</b>
1	898-010	09240	10	<b>46.41</b>
1¼	898-012	09241	5	<b>88.47</b>
1½	898-015	09242	5	<b>109.54</b>
2	898-020	09243	5	<b>168.57</b>
3	898-030	09244	5	<b>431.04</b>



**Part No. PVC 8830\*\***  
**Union With EPDM O-Ring Seal**  
**(Sx FPT)**

½	899-005	11469	10	<b>\$26.28</b>
¾	899-007	11463	10	<b>36.76</b>
1	899-010	11464	10	<b>48.89</b>
1¼	899-012	11465	5	<b>93.43</b>
1½	899-015	11466	5	<b>115.65</b>
2	899-020	11467	5	<b>178.44</b>

\*\* See Charlotte Pipe® Plastics Technical Manual for pressure rating.

## **STANDARDS AND SPECIFICATIONS**

NSF STANDARD 14

NSF STANDARD 61

ASTM D 1784 - PVC MATERIAL

ASTM D 2467 - PVC SCHEDULE 80 SOCKET FITTINGS

ASTM D 2464 or D 2467 - PVC SCHEDULE 80 THREADED FITTINGS

ASTM F 1970 - UNIONS AND FLANGES

ANSI B16.5 - FLANGE BOLT HOLE PATTERNS

## **RECOMMENDATIONS FOR INSTALLERS:**

Plastic piping systems should be engineered and installed in accordance with established standards and procedures. Suitability for the intended service application should be determined prior to installation.

## **SOLVENT WELD CONNECTIONS**

Use a quality grade of primer and solvent cement formulated for the type of connection, with the correct size applicator. Read and follow all of the solvent cement manufacturer's application instructions.

## **THREADED CONNECTIONS**

Use a quality grade of Teflon® tape. The use of Teflon® paste, pipe joint compounds, or other thread lubricants is not recommended as they may contain substances that are harmful to plastics.

1 to 1½ turns beyond finger tight is generally all that is required to make a sound plastic threaded connection. Unnecessary over-tightening will cause damage to both pipe and fitting.

Note: Refer to Charlotte Pipe and Foundry Company's Plastics Technical Manual for complete installation instructions.



## 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)

### 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.

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

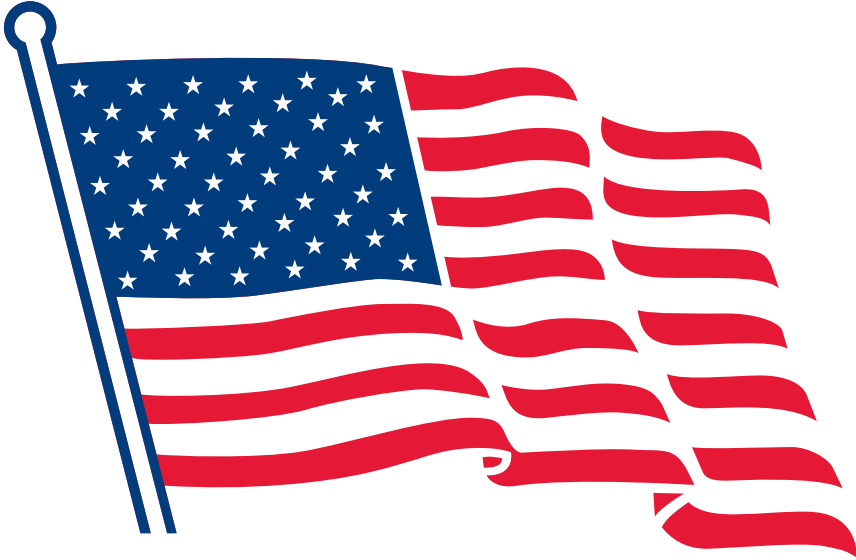
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# CHARLOTTE

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

