



# AGRICULTURAL IRRIGATION PRODUCT SPECIFICATION

## ASTM D1785/D2665 PVC Turf Irrigation Pipe | Solvent Weld

NAPCO's ASTM D1785 Solvent Weld PVC Pipe product line is manufactured to meet the needs of irrigation applications. With top quality raw materials and modern processing technology, our ASTM D1785 pipe meets all industry standards in addition to our own rigorous quality control standards.

For sizes 1 1/4" and larger, our ASTM D1785 Schedule 40 pipe is also dual rated to ASTM D2665 for DWV applications. This gives the designer, installer, and end user the flexibility of one product for two distinct applications. NAPCO produces ASTM D1785 Solvent Weld pipe in both solid wall and various perforated styles.



Short Form Specification	
<b>Pipe Standard:</b>	ASTM D1785 & ASTM D2665** Sch. 40
<b>Diameter Std.:</b>	Iron Pipe Size (IPS)
<b>Nominal Sizes:</b>	1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4", 5", 6", 8", 10", 12", 14", 16", 18", 20", 24"
<b>Pressure Ratings:</b>	See Next Page
<b>Length:</b>	10' or 20'
<b>Color:</b>	White or Purple
<b>Pipe Compound:</b>	ASTM D1784 Cell Class 12454
<b>Pipe Joint Std.:</b>	ASTM D2672
<b>Pipe Options:</b>	Solid Wall Plain End (M x M) Solid Wall Bell End (M x F) 2 Hole Perforated Bell End (M x F) 3 Hole Perforated Bell End (M x F)
<b>Certifications:</b>	NSF 14 & NSF 61 IAPMO Uniform Plumbing Code*
<b>Installation Std.:</b>	ASTM D2774, ASTM D2855 & NRCS 430

\*IAPMO Uniform Plumbing Code listed products must be requested at time of order.

\*\*Sizes 1/2", 3/4", 1" & 5" are not included in the ASTM D2665 DWV pipe standard.



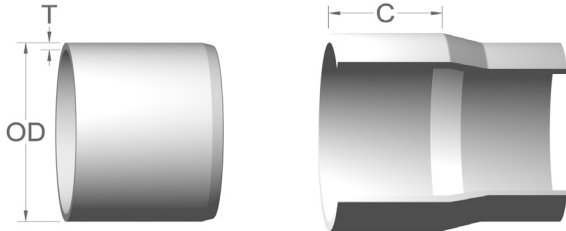
Only products bearing the  
NSF Mark are Certified





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**Notes:**

1. These dimensions are for estimating purposes only. All dimensions are in inches unless otherwise specified.
2. ASTM Pressure Rating @ 73°F and includes 2:1 safety factor.
3. Internal diameter calculated using nominal outside diameter and minimum wall thickness.

D1785 PIPE DIMENSIONS & PERFORMANCE						
Nom. Size	Outside Diameter (OD)	Class	Pressure Rating (psi)	Min. Wall Thickness (T1)	Internal Diameter (ID)	Bell Depth (C)
½"	0.840	Sch. 40	600	0.109	0.622	1.750
¾"	1.050	Sch. 40	480	0.113	0.824	2.500
1"	1.315	Sch. 40	450	0.133	1.049	2.500
1¼"	1.660	Sch. 40	370	0.140	1.380	2.500
1½"	1.900	Sch. 40	330	0.145	1.610	2.500
2"	2.375	Sch. 40	280	0.154	2.067	3.250
2½"	2.875	Sch. 40	300	0.203	2.469	3.500
3"	3.500	Sch. 40	260	0.216	3.068	4.250
4"	4.500	Sch. 40	220	0.237	4.026	5.500
5"	5.563	Sch. 40	190	0.258	5.047	6.000
6"	6.625	Sch. 40	180	0.280	6.065	7.000
8"	8.625	Sch. 40	160	0.322	7.981	7.500
10"	10.750	Sch. 40	140	0.365	10.020	8.500
12"	12.750	Sch. 40	130	0.406	11.938	10.000
14"	14.000	Sch. 40	130	0.437	13.126	10.000
16"	16.000	Sch. 40	130	0.500	15.000	10.000
18"	18.000	Sch. 40	130	0.562	16.876	12.000
20"	20.000	Sch. 40	120	0.593	18.814	12.000
24"	24.000	Sch. 40	120	0.687	22.626	12.000



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D1785 PIPE PERFORATION PATTERNS					
Nom. Size	Perforation Rows	Circumferential Hole Spacing	Longitudinal Hole Spacing (in)	Hole Diameter (in)	Inlet Area (in <sup>2</sup> /ft pipe)
4"	2	120°	5.000	0.500	0.942
	3	60°-60°	5.000	0.500	1.414
6"	2	120°	5.000	0.500	0.942
	3	60°-60°	5.000	0.500	1.414
8"	2	120°	5.000	0.500	0.942
	3	60°-60°	5.000	0.500	1.414

