



TECHNICAL SPECIFICATION

NAPCO Schedule 40 Pressure Pipe Solvent Weld Bell End

SCOPE

This specification covers the requirements for PVC (polyvinyl chloride) Schedule 40 pressure pipe for potable water with solvent weld bell end. Nominal sizes 1/2" to 18" are manufactured to meet the requirements of the American Society for Testing and Materials (ASTM) standard D1785 and certified to Canadian Standards Association (CSA) Standard B137.3 and NSF-61-G.

MATERIALS

The pipe is manufactured from virgin PVC compound meeting the cell classification requirements of 12454 as defined by the American Society of Testing and Materials (ASTM) Standard D1784: *Standard Specification for Rigid PVC Compounds and CPVC Compounds*.

MARKING

Pipe markings are as specified in CSA B137.3, NSF-61-G and ASTM D1785.

TEST REQUIREMENTS

Quality testing is as per NAPCO's Quality Control program and in accordance with CSA B137.3, NSF-61-G and ASTM D1785.

PIPE DIMENSIONS AND PRESSURE RATINGS (Schedule 40):

Nominal Size	Pressure Rating psi	Outside Diameter in	Wall Thickness in	Length ft
1/2" (12)	595	0.836 – 0.844	0.109 – 0.129	20
3/4" (19)	479	1.046 – 1.054	0.113 – 0.133	10 and 20
1" (25)	450	1.310 – 1.320	0.133 – 0.153	
1-1/4" (32)	368	1.655 – 1.665	0.140 – 0.160	
1-1/2" (38)	329	1.894 – 1.906	0.145 – 0.165	
2" (50mm)	275	2.369 – 2.381	0.154 – 0.174	
2-1/2" (62mm) (63mm)	303	2.868 – 2.882	0.203 – 0.227	20
3" (75mm)	262	3.492 – 3.508	0.216 – 0.242	
4" (100mm)	222	4.491 – 4.509	0.237 – 0.265	
6" (150mm)	175	6.614 – 6.636	0.280 – 0.314	
8" (200mm)	155	8.610 – 8.640	0.322 – 0.361	
10" (250mm)	139	10.735 – 10.765	0.365 – 0.409	
12" (300mm)	130	12.735 – 12.765	0.406 – 0.455	
14" (350mm)	130	13.985 – 14.015	0.437 – 0.490	
16" (400mm)	130	15.981 – 16.019	0.500 – 0.560	
18" (450mm)	130	17.981 – 18.019	0.562 – 0.629	