

HANCOR POTABLE GRADE PRESSURE PIPE

Hancor Potable Grade Pressure Pipe is a leader in today's water service and landscape irrigation markets. Its flexibility and durability distinguish it from the competition and make it ideal for a variety of applications.

Hancor Potable Grade Pressure Pipe is strong and resistant to many common causes of damage such as vibrations, surface loads and pressure surges.

APPLICATIONS:

Landscape & Agricultural Irrigation Systems
Residential & Commercial Water Service Pipe
Well/Pump Water Systems
Slurry Pipelines

FEATURES & BENEFITS

- Certified to meet NSF 14/61 standard
- Durable plastic material stands the test of time
- Flexibility makes it ideal for a variety of projects
- Strength withstands weather and the human element
- Light weight
- Chemically resistant
- Resistant to rot or corrosion
- Fast and easy to install
- Easy installation provides cost-efficiency
- Flexible lengths can be installed in uneven terrain
- Available in many lengths



Hancor Service: Hancor representatives and engineers are committed to providing you with the answers to all your questions, including specifications, installation, backfill recommendations and more.

HANCOR POTABLE WATER SERVICE PIPE (IPS) PIPE SPECIFICATIONS

SCOPE

This specification describes Hancor Potable Water Service Pipe (IPS) pipe SIDR 15, SIDR 11.5, SIDR 9, and SIDR 7 for use in potable water service applications.

PIPE REQUIREMENTS

Hancor potable water service pipe shall meet the requirements of ASTM D2239, AWWA C901 and NSF Standards 14 and 61. Pipe dimensions shall meet Iron Pipe Size (IPS) standards.

MATERIAL PROPERTIES

Pipe material shall be high-density polyethylene conforming to the minimum requirements of cell classification 345464C as defined and described in ASTM D3350, except that carbon black content should not exceed 3.5%. The resin shall have a material designation code of PE3608 (formerly PE3408) by the Plastic Pipe Institute.

DISINFECTION/MAINTENANCE

The active chlorine content of disinfecting solutions shall not exceed 12%. All disinfecting solution must be flushed from all lines within the system. Industry accepted procedures, like ANSI/AWWA C651 Disinfecting Water Mains, should be followed for both new and repaired potable water lines.

INSTALLATION

Installation is similar to other flexible pipe products. Methods including direct bury, plowing or pulling are applicable per local, state or federal guidelines for the application.

PIPE PROPERTIES

		SIDR 7 (200 psi) PE 3608 IPS											
		½"		¾"		1"		1 ¼"		1 ½"		2"	
Inside Diameter (mm)	0.622	+0.01	0.824	+0.015	1.049	+0.02	1.380	+0.02	1.610	+0.02	2.067	+0.02	
	(15.8)	(±0.25)	(20.9)	(±0.38)	(26.6)	(±0.51)	(35.1)	(±0.51)	(40.9)	(±0.51)	(52.5)	(±0.51)	
Wall Thickness (mm)	0.089	+0.02	0.118	+0.02	0.150	+0.02	0.197	+0.02	0.230	+0.03	0.295	+0.035	
	(2.3)	(±0.51)	(3.0)	(±0.51)	(3.8)	(±0.51)	(5.0)	(±0.51)	(5.8)	(±0.71)	(7.5)	(±0.89)	
Pressure Rating @ 73° F, psi (kPa)	200		200		200		200		200		200		
	(1379)		(1379)		(1379)		(1379)		(1379)		(1379)		
Weight gm/ft (gm/m)	38	±2	71	±2	116	±3	210	±5	227	±5	448	±8	
	(125)	(±7)	(233)	(±7)	(381)	(±10)	(689)	(±16)	(745)	(±16)	(1470)	(±26)	

		SIDR 9 (160 psi) PE 3608 IPS											
		½"		¾"		1"		1 ¼"		1 ½"		2"	
Inside Diameter (mm)	0.622	+0.01	0.824	+0.015	1.049	+0.02	1.380	+0.02	1.610	+0.02	2.067	+0.02	
	(15.8)	(±0.25)	(20.9)	(±0.38)	(26.6)	(±0.51)	(35.1)	(±0.51)	(40.9)	(±0.51)	(52.5)	(±0.51)	
Wall Thickness (mm)	0.069	+0.02	0.092	+0.02	0.117	+0.02	0.153	+0.02	0.179	+0.02	0.230	+0.028	
	(1.8)	(±0.51)	(2.3)	(±0.51)	(3.0)	(±0.51)	(3.9)	(±0.51)	(4.5)	(±0.51)	(5.8)	(±0.71)	
Pressure Rating @ 73° F, psi (kPa)	160		160		160		160		160		160		
	(1103)		(1103)		(1103)		(1103)		(1103)		(1103)		
Weight gm/ft (gm/m)	32	±2	53	±2	88	±3	155	±3	185	±5	330	±5	
	(105)	(±7)	(174)	(±7)	(289)	(±10)	(509)	(±10)	(607)	(±16)	(1083)	(±16)	

		SIDR 11.5 (125 psi) PE 3608 IPS											
		½"		¾"		1"		1 ¼"		1 ½"		2"	
Inside Diameter (mm)	0.622	+0.01	0.824	+0.015	1.049	+0.02	1.380	+0.02	1.610	+0.02	2.067	+0.02	
	(15.8)	(±0.25)	(20.9)	(±0.381)	(26.6)	(±0.51)	(35.1)	(±0.51)	(40.9)	(±0.51)	(52.5)	(±0.51)	
Wall Thickness (mm)	0.060	+0.02	0.072	+0.02	0.091	+0.02	0.120	+0.02	0.140	+0.02	0.180	+0.02	
	(1.5)	(±0.51)	(1.8)	(±0.51)	(2.3)	(±0.51)	(3.0)	(±0.51)	(3.6)	(±0.51)	(4.6)	(±0.51)	
Pressure Rating @ 73° F, psi (kPa)	125		125		125		125		125		125		
	(862)		(862)		(862)		(862)		(862)		(862)		
Weight gm/ft (gm/m)	30	±2	50	±2	72	±2	125	±3	146	±3	248	±5	
	(98)	(±7)	(164)	(±7)	(236)	(±7)	(410)	(±10)	(479)	(±10)	(814)	(±16)	

		SIDR 15 (100 psi) PE 3608 IPS											
		½"		¾"		1"		1 ¼"		1 ½"		2"	
Inside Diameter (mm)	0.622	+0.01	0.824	+0.015	1.049	+0.02	1.380	+0.02	1.610	+0.02	2.067	+0.02	
	(15.8)	(±0.25)	(20.9)	(±0.38)	(26.6)	(±0.51)	(35.1)	(±0.51)	(40.9)	(±0.51)	(52.5)	(±0.51)	
Wall Thickness (mm)	0.060	+0.02	0.060	+0.02	0.070	+0.02	0.092	+0.02	0.107	+0.02	0.138	+0.02	
	(1.5)	(±0.51)	(1.5)	(±0.51)	(1.8)	(±0.51)	(2.3)	(±0.51)	(2.7)	(±0.51)	(3.5)	(±0.51)	
Pressure Rating @ 73° F, psi (kPa)	100		100		100		100		100		100		
	(689)		(689)		(689)		(689)		(689)		(689)		
Weight gm/ft (gm/m)	30	±2	39	±2	56	±2	97	±3	129	±3	200	±5	
	(98)	(±7)	(128)	(±7)	(184)	(±7)	(318)	(±10)	(423)	(±10)	(656)	(±16)	

*Additional SIDRs may be available. Contact a Hancor Representative for regional availability.

DIRECT CONTACT

Customer Service

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ELECTRONIC MEDIA

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