

VINYLTECH PURPLE PIPE

TECHNICAL DATA SUBMITTAL

PURPLE PIPE

C900 DR 18 PRESSURE CLASS 150					
NOMINAL SIZE (IN)	OUTER DIAMETER (IN)	MINIMUM WALL (IN)	LIFTS PER TRUCK	FEET PER LIFT	APPROX. WEIGHT (LB/100')
4 (100)	4.800	0.267	16	1020	251.6
6 (150)	6.900	0.383	16	440	521.2
8 (200)	9.050	0.503	20	200	903.0
10 (250)	11.100	0.617	12	240	1364.4
12 (500)	13.200	0.733	28	60-80	1935.8
C900 DR 14 PRESSURE CLASS 200					
NOMINAL SIZE (IN)	OUTER DIAMETER (IN)	MINIMUM WALL (IN)	LIFTS PER TRUCK	FEET PER LIFT	APPROX. WEIGHT (LB/100')
4 (100)	4.800	0.343	16	1020	317.5
6 (150)	6.900	0.493	16	440	658.7
8 (200)	9.050	0.646	20	200	1139.7
10 (250)	11.100	0.793	12	240	1722.3
12 (300)	13.200	0.943	28	60-80	2445.5
C905 DR 25 PRESSURE RATED 165					
NOMINAL SIZE (IN)	OUTER DIAMETER (IN)	MINIMUM WALL (IN)	LIFTS PER TRUCK	FEET PER LIFT	APPROX. WEIGHT (LB/100')
16 (400)	17.4	0.696	20	60-80	2575.0
C905 DR 18 PRESSURE RATED 235					
NOMINAL SIZE (IN)	OUTER DIAMETER (IN)	MINIMUM WALL (IN)	LIFTS PER TRUCK	FEET PER LIFT	APPROX. WEIGHT (LB/100')
16 (400)	17.4	0.967	20	60-80	3475.0
ASTM D 2241 SDR 21 PRESSURE RATED 200					
NOMINAL SIZE (IN)	OUTER DIAMETER (IN)	MINIMUM WALL (IN)	LIFTS PER TRUCK	FEET PER LIFT	APPROX. WEIGHT (LB/100')
4 (100)	4.500	0.214	12	1520	191.3
6 (150)	6.625	0.316	16	440	416.7
8 (200)	8.625	0.410	16	280	706.9
10 (250)	10.750	0.511	12	240	1103.5
12 (300)	12.750	0.606	28	60-80	1559.9

THE RIEBER SEALING SYSTEM

The Rieber system provides a proven pipe joint with an excellent track record in the field. It is the fastest growing system in the world because of its many advantages.

- Factory installed, locked-in gasket
- The pipe bell forms over the gasket, making a perfect fit
- Avoids the possibility of installing the wrong gasket
- Reduces installation problems
- The locked-in gasket eliminates gasket roll-out during joining
- The gasket is molded vs. extruded and spliced
- Works equally well under pressure or vacuum
- Three sealing points achieved vs. two
- **LEAK-PROOF JOINTS**
- **"THE WORLDS BEST JOINT"**

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SCOPE

These specifications designate the dimensional requirements for manufacturing and installing Vinyltech's Vinylguard Purple PVC Pipe for reclaimed water.

AWWA C900-97 - Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4 in. Through 12 in. (100mm Through 300mm), for Water Distribution

AWWA C905-97 - Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 14" Through 48" (350mm Through 1,200mm) for Water Distribution

ASTM D 2241 - Standard Specification for Polyvinyl Chloride (PVC) Pressure-Rated Pipe (SDR Series)

AWWA C605 - Underground Installation of Polyvinyl Chloride (PVC) Pressure Pipe and Fittings for Water

ASTM D 1784 - Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds

ASTM D 3139 - Standard Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals

ASTM F 477 - Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe

ASTM D 2122 - Standard Method of Determining Dimensions of Thermoplastic Pipe and Fittings

ASTM D 2837 - Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials

PIPE COMPOUND

The pipe shall be extruded from compounds meeting (PVC1120) the requirements of Cell Classification 12454-B, as defined in ASTM D 1784, *Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds*.

PIPE

Vinyltech pipe shall be manufactured in accordance with the dimensional standards of AWWA C905, AWWA C900, or ASTM D 2241.

GASKET JOINT

The gasket shall be reinforced with a steel band and meet the requirements of ASTM F 477. Vinyltech pipe shall have an integral bell end with a locked-in factory installed gasket and shall meet the joint requirements of ASTM D 3139.

MARKING

Vinylguard is marked with two print lines on opposite sides of the pipe. Both sides read "CAUTION RECLAIMED WATER - DO NOT DRINK" in intervals not to exceed 5 feet. Additional marking information is also applied. The UL, FM, and NSF designations do not apply and are not printed on reclaimed water pipes.

QUALITY CONTROL

Our full time quality assurance staff continually administers a rigid program of Vinyltech's standard tests to maintain the production of the best pipe products available.

INSTALLATION

Recommended installation procedure of Vinyltech Corporation and the Uni-Bell PVC Pipe Association are outlined in AWWA C605, *Underground Installation of Polyvinyl Chloride (PVC) Pressure Pipe and Fittings for Water*. The *Uni-Bell Handbook of PVC Pipe* is also an invaluable resource guide for design and installation.

ASSEMBLING THE PIPE

Assembly of Vinyltech purple PVC reclaimed water pipe is easily accomplished. A depth of entry mark is on each spigot end to serve as a visual check for rapid, accurate joint inspection. **Do not over insert.**

- 1) Remove any mud, sand, or other foreign matter from the belled and spigot ends of the pipe. Carefully clean the gasket area.
- 2) With a clean applicator (a brush or hand) lubricate the entire surface of the pipe from the spigot end to the depth of entry mark and the contact surface of the gasket with **Vinyltech Brand Lubricant**.
- 3) Brace the bell to avoid disturbing the already installed joints. Align the pipe, insert the spigot into the bell and push until the entry mark is reached. **Do not insert past the entry mark line.**



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