VINYLTECH AWWA C900-07
TECHNICAL DATA SUBMITTAL

CONFORMANCE
These specifications designate the requirements for manufacturing and installing Vinyltech AWWA C900-07 water pipe.

AWWA C900-07 - Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4 In. Through 12 In. (100mm Through 300mm), for Water Transmission and Distribution

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


ASTM F477 - Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe


PIPE COMPOUND
The pipe shall be extruded from compounds meeting (PVC1120) the requirements of Cell Classification 12454, as defined in ASTM D1784, Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds. The PVC shall also be listed by the National Sanitation Foundation (NSF) for use in potable water.

PIPE
Vinyltech pipe shall be manufactured in accordance with AWWA C900-07.

GASKET JOINT
The gasket shall be reinforced with a steel band and meet the requirements of ASTM F477. Vinyltech pipe shall have an integral bell end with a locked-in factory installed gasket and shall meet the joint requirements of ASTM D3139.

MARKING
The pipe shall be marked in accordance with AWWA C900 as in the following example.

a) Manufacturer’s name and production codes
b) Nominal size, dimension ratio number, and O.D. base (for example, 8” DR 18 CIS)
c) Materials cell classification (PVC1120)
d) AWWA pressure class (235 psi or 305 psi) and hydrostatic test pressure (T600, or T800)
e) AWWA designation number (AWWA C900-07)
f) National Sanitation Foundation (NSF-61)
g) Underwriters Laboratories (UL) logo, third party certification.
h) Production date and time code (VABB15B 48.34)
i) FM Approvals (FM) logo, required FM pressure rating (150 or 200 psi), third party certification

QUALITY CONTROL
Each length of the pipe including the bell shall be hydrostatically tested. The pipe shall meet all additional test requirements as described in AWWA C900-07. Our full-time quality assurance staff continually administers a rigid program of tests to maintain the production of the best pipe products available.

INSTALLATION
Recommended installation procedures of Vinyltech Corporation are outlined in AWWA C605, Underground Installation of Polyvinyl Chloride (PVC) Pressure Pipe and Fittings for Water. The AWWA Manual M23, PVC Pipe-Design and Installation, is also an invaluable resource guide for design and installation.

TAPPING
The consistent success of tapping PVC pressure pipe is contingent upon the use of proper procedures and equipment. Vinyltech recommends strict compliance with the requirements as specified in AWWA C605.

ASSEMBLING THE PIPE
Assembly of Vinyltech PVC 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.
4) Do not insert past the entry mark line.

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Effective 03/14
VINYLTECH AWWA C900-07
TECHNICAL DATA SUBMITTAL

C900 DR 18 PRESSURE CLASS 235

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C900 DR 14 PRESSURE CLASS 305

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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”