

AWWA C900/IB Gasketed Integral Bell PVC Pressure Pipe Certification

AWWA C900/IB Gasketed Integral Bell PVC Pressure Pipe (sizes 4" through 36"; DR 51, DR 41, DR 32.5, DR 25, DR 21, DR 18, and DR 14), provided by Westlake Pipe & Fittings, is manufactured in accordance with **AWWA C900-16**. Sizes 14" through 24", DR 32.5, DR 25, and DR 18 made in our Janesville, Wisconsin plant are certified to **CSA B137.3**. The PVC material conforms to a minimum cell classification of 12454 as defined by **ASTM D1784**. The pipe compound is listed in **PPI TR-4** as a Standard Grade material with a Hydrostatic Design Basis (HDB) of 4000 psi. The standard pipe laying length is 20 feet.

Gasketed Integral Bell pipe products meet the requirements of **ASTM D3139**. CSA certified products contain a fully thickened bell. Unless otherwise specified, all products are supplied with styrene-butadiene rubber (SBR) gaskets. Acrylonitrile butadiene rubber (NBR) and ethylene propylene diene monomer rubber (EPDM) gaskets are available as optional upgrades. All gasket material options meet the requirements of **ASTM F477, UL 157, and CSA B137.3**.

Potable Water Applications

Pipe supplied for potable water applications is blue in color. The gasket material used by our vendors as well as Westlake Pipe & Fittings AWWA C900 potable water pipe products using those gaskets are listed by NSF International, Underwriters Laboratory, and Factory Mutual per the table below.

Agency Standard	Certifications of Gasket Material by Vendor			Certifications of Westlake Pipe & Fittings C900 Pipe with Gasket Material Option		
	SBR	NBR	EPDM	SBR	NBR	EPDM
NSF 61	All sizes & classes	All sizes & classes	All sizes & classes	All sizes & classes	All sizes & classes	All sizes & classes
NSF 14	All sizes & classes*	All sizes & classes*		All sizes & classes**	All sizes & classes	
UL 1285	N/A	N/A	N/A	DR 41: 30" – 36" DR 32.5: 24" – 36" DR 25: 4" – 36" DR 21: 14" – 36" DR 18: 4" – 24" DR 14: 4" – 16"		
FM 1612	N/A	N/A	N/A	DR 18: 4" – 12" DR 14: 4" – 12"		

* = Includes certification that gaskets meet the requirements of **ASTM F477**.

** = Only for products made at our Janesville, Wisconsin plant.

Sewer Applications

Pipe supplied for sewer applications is green in color and not listed by Underwriters Laboratories, Factory Mutual, or NSF International. CSA listed products are certified for pressure rating.

Reclaimed Water Applications

Pipe supplied for reclaimed water applications is purple in color and not listed by Underwriters Laboratories, Factory Mutual, or NSF International. CSA listed products are certified for pressure rating.

Certifications are based on the applicable edition of the referenced standard in effect on the date of manufacture. If we may be of further assistance, please contact Technical Services at technical@westlakepipe.com.

Sincerely,



Joshua E. Clapper
Director, Product Marketing, Marketing and Development

Reference Standards:

- **AWWA C900-16** *Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4 In. Through 60 In. (100 mm Through 1500 mm)*
- **ASTM D1784** *Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds*
- **ASTM D3139** *Standard Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals*
- **ASTM F477** *Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe*
- **CSA B137.3** *Rigid Polyvinylchloride (PVC) Pipe and Fittings for Pressure Applications*
- **FM 1612** *Approval Standard for Polyvinyl Chloride (PVC) Pipe and Fittings for Underground Fire Protection Service*
- **NSF 14** *Plastics Piping System Components and Related Materials*
- **NSF 61** *Drinking Water Components – Health Effects*
- **PPI TR-4** *HDB/HDS/SDB/PDB/MRS Listed Materials*
- **UL 1285** *Pipe and Couplings, Polyvinyl Chloride (PVC), and Oriented Polyvinyl Chloride (PVCO) for Underground Fire Service*