C900

SANDERSON PIPE

AWWA C900
MANUFACTURER'S CERTIFICATION

This is to certify the pipe manufactured by Sanderson Pipe meets or exceeds the applicable engineering standards listed below for 4" through 24" C900 pipe.

Materials

Comply with ASTM D1784 for PVC 1120 cell classification 12454. Materials used in the manufacture of our certified C900 pipe are NSF/ANSI 14 and 61 listed.

Dimensions/Testing

All pipe meets or exceeds the performance requirements listed in the current version of ANSI/AWWA C900, UL1285 and FM 1612 (DR18 and DR14 12" and smaller). Each C900 pipe is hydrostatic tested to at least two times the pressure class per AWWA standards. Testing records are maintained and available upon request.

Markings on the Pipe

Identification of nominal pipe size (CI diameter), PVC, dimension ratio, ANSI/AWWA pressure class, test pressure for hydrostatic tested pipe, AWWA designation number (ANSI/AWWA C900), manufacture's name and code. Additional certified seals printed on the pipe are: NSF-pw, NSF-61, UL1285, and Factory Mutual (FM 1612 Approved for DR18 at 185 PSI and DR14 at 250 PSI only — for C900 pipe 12" and smaller).

Joints

Integral bell joint system complies with the requirements of ASTM D3139.

Gasket

All gaskets are NSF approved and comply with ASTM F477 standards.

Color

Standard C900 pressure pipe is blue. Purple (marked "Caution – Do Not Drink Reclaimed Water") and green (marked "Sewer Force Main") is available upon request. The purple and green C900 pipe will not carry the NSF-pw, NSF-61, UL1285, or Factory Mutual seals.

Length

Manufactured in 20 foot lay lengths with a 15 degree chamfer.

Tapping

It is extremely important to use the proper procedures and tools while tapping pipe. Sanderson Pipe Corporation recommends strict compliance with the requirements as specified in AWWA C605.

Installation

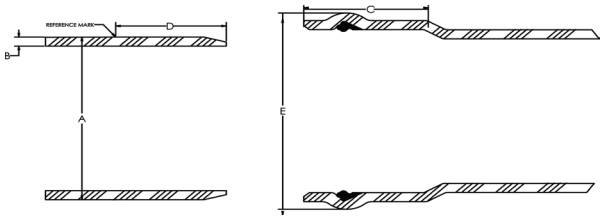
Sanderson Pipe Corporation recommends using installation procedures outlined in AWWA C605, Underground Installation of Polyvinyl Chloride (PVC) Pressure Pipe and Fittings for Water. The AWWA Manual M23, and Handbook of PVC Pipe Design and Construction (from Uni-Bell/PVC Pipe Association) are additional resource guides for design and installation.



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Pipe Size	Outside Diameter (A)	Minimum Wall (B)		
		DR-25 (165 PSI)	DR-18 (235 PSI)	DR-14 (305 PSI)
4”	4.800”	0.192”	0.267”	0.343”
6”	6.900”	0.276”	0.383”	0.493”
8”	9.050”	0.362”	0.503”	0.646”
10”	11.100”	0.444”	0.617”	0.793”
12”	13.200”	0.528”	0.733”	0.943”
14”	15.300”	0.612”	0.850”	1.093”
16”	17.400”	0.696”	0.967”	1.243”
18”	19.500”	0.780”	1.083”	1.393”
20”	21.600”	0.864”	1.200”	1.543”
24”	25.800”	1.032”	1.433”	1.843”



Pipe Size	Dimensions		
	*(C) Bell Length	*(D) Insertion / Reference Mark	(E) Approximate Bell OD Clearance
4”	5.50”	4.50”	6.50”
6”	6.25”	5.25”	9.25”
8”	7.50”	6.50”	11.875”
10”	8.75”	7.75”	14.500”
12”	9.25”	8.25”	16.875”
14”	10.50”	9.50”	19.500”
16”	11.00”	10.00”	22.000”
18”	11.25”	10.25”	24.500”
20”	12.00”	11.00”	27.000”
24”	13.00”	12.00”	32.000”

*May vary up to ± ½”

FM APPROVED

NSF®

ASTM INTERNATIONAL Standards Worldwide

MEMBER Uni-Bell PVC PIPE ASSOCIATION

Loading Chart | C900 Pipe

Pipe Size	Pipe Length	Pieces per Pallet	Feet per Pallet	Pallets per Truck	Feet per Truck
4”	20’	60	1,200’	12	14,400’
4” DR14	20’	50	1,000’	12	12,000’
6”	20’	28 / 7	560’ / 140’	12 / 4	7,280’
6” DR14	20’	28	560’	12	6,720’
8”	20’	10	200’	20	4,000’
10”	20’	8	160’	16	2,560’
12”	20’	6 / 8	120’ / 160’	7 / 7	1,960’
12” DR14	20’	6 / 8	120’ / 160’	6 / 6	1,680’
14”	20’	6	120’	12	1,440’
16”	20’	2 / 3	40’ / 60’	10 / 10	1,000’
18”	20’	4 / 6	80’ / 120’	4 / 4	800’
20”	20’	4	80’	8	640’
24”	20’	3	60’	6	360’