

## **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.



## ASTM D3034 SEWER PIPE MANUFACTURER'S CERTIFICATION

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

### Materials

Comply with ASTM D1784 for cell classification 12454.

Additional labeling on the SDR 26 and PS 115 sewer series includes the words: "Heavy Wall Sewer Pipe".

### Dimensions/Testing

All pipe sizes 4" through 24" meets or exceeds the performance requirements listed in the current version of ASTM D3034.

### Joints

Integral bell joint system conform to ASTM D3212.

### Markings on the Pipe

4" through 15": Identification of nominal pipe size, cell classification, SDR class, ASTM designation D3034, material code, manufacturer's name and code.

### Gaskets

All gaskets used in the manufacturing of the pipe comply with ASTM F477 standards.

18" through 24": Identification of nominal pipe size, cell classification, pipe stiffness designation (PS series), ASTM designation D3034, material code, manufacturer's name and code.

### Color

Gasketed sewer pipe is green. Solvent weld sewer pipe is available in green or white.

### Length

Gasketed sewer pipe is manufactured in 14' lay lengths. Solvent weld sewer pipe is available in 10' or 20' over-all length.



## ASTM D2729 SEWER PIPE MANUFACTURER'S CERTIFICATION

This is to certify the pipe manufactured by Sanderson Pipe Corporation meets or exceeds the applicable engineering standards listed under ASTM D2729.

### Materials

Comply with ASTM D1784 for cell classification 12454 or 12164.

### Color

ASTM D2729 pipe is white.

### Dimensions/Testing

All pipe meets or exceeds the performance requirements listed in the current version of ASTM D2729.

### Length

Standard pipe is manufactured in 10' over-all lengths.

### Markings on the Pipe

Identification of nominal pipe size, PVC Sewer Pipe, ASTM designation D2729, material code, manufacturer's name and code.

Pipe Size	Outside Diameter	Minimum Wall	*Bell Length
3"	3.250"	0.070"	3"
4"	4.215"	0.075"	4"
6"	6.275"	0.100"	5"

\*May vary up to  $\pm \frac{1}{2}$ "



# PERFORATED ASTM D3034 / ASTM D2729 SEWER PIPE MANUFACTURER'S CERTIFICATION

This is to certify the pipe manufactured by Sanderson Pipe Corporation meets or exceeds the applicable engineering standards listed under ASTM D3034 or ASTM D2729.

## Materials

Comply with ASTM D1784 for cell classification 12454 or 12364 (ASTM D3034) / 12454 or 12164 (ASTM D2729).

ASTM D2729: Identification of nominal pipe size, PVC Sewer Pipe or PVC Perforated Pipe, ASTM designation D2729, material code, manufacturer's name and code.

## Dimensions/Testing

All pipe meets or exceeds the performance requirements listed in the current version of ASTM D3034 or ASTM D2729.

## Color

ASTM D3034 perforated pipe is green.  
ASTM D2729 perforated pipe is white.

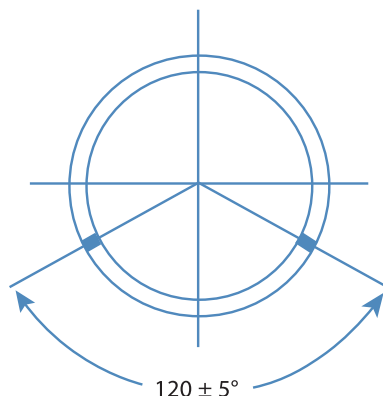
## Markings on the Pipe

ASTM D3034: Identification of nominal pipe size, cell classification, ASTM designation D3034, material code, manufacturer's name and code.

## Length

Standard pipe is manufactured in 10' over-all lengths.

## Typical 2-Row Pattern for Perforated Pipe



# ASTM D2241 IPS PRESSURE PIPE MANUFACTURER'S CERTIFICATION

This is to certify the pipe manufactured by Sanderson Pipe meets or exceeds the applicable engineering standards listed below for ½" through 12" IPS pressure pipe.

## Materials

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

## Dimensions/Testing

All pipe meets or exceeds the performance requirements listed in the current version of ASTM D2241.

## Markings on the Pipe

Identification of nominal pipe size, plastic pipe material code, SDR class, pressure rating, ASTM designation D2241, manufacturer's name, code, and the National Sanitation Foundation seal for potable water (NSF-pw).

## Joints

Integral bell joint system conform to ASTM D3139.

## Gaskets

All gaskets used in the manufacturing of the pipe are NSF approved and comply with ASTM F477 standards.

## Color

Standard IPS pressure pipe is white. Blue is available upon request. Purple (marked "Caution – Do Not Drink Reclaimed Water") and green (marked "Sewer Force Main") are also available upon request. The purple and green IPS pressure pipe will not carry the NSF-pw seal.

## Length

Solvent weld products are produced in 20' over-all lengths. Gasketed products are produced in 20' and 44' lay lengths with a 15 degree chamfer. 44' pipe is manufactured in Kansas only.



## SCHEDULE 40 PRESSURE AND DWV PIPE MANUFACTURER'S CERTIFICATION

This is to certify the pipe manufactured by Sanderson Pipe Corporation meets or exceeds the applicable engineering standards listed under ASTM D1785 Potable Water (PW) and/or D2665 Drain, Waste, Vent (DWV) for Solvent Weld and Plain End.

### Materials

Comply with ASTM D1784 for PVC 1120 cell classification 12454. Materials used in the manufacture of certified SCH40/DWV pipe are NSF/ANSI 14 and 61 listed.

### Dimensions/Testing

All pipe meets or exceeds the performance requirements listed in the current version of ASTM D1785/D2665. All Schedule 40 pipe is dual marked ASTM D1785/D2665 with the

exception of the ½", ¾", 1" and 2 ½" pipe sizes and purple pipe.

### Markings on the Pipe

Identification of nominal pipe size, plastic pipe material code, schedule size, pressure rating, ASTM designation D1785 and/or D2665, manufacturer's name and code. One or both of the following certified seals will be identified on the pipe: National Sanitation Foundation seal for potable water (NSF-pw) and/or National Sanitation Foundation for drain, waste, vent (NSF-dwv).

### Color

Standard Schedule 40/DWV is white. Purple (marked "Caution – Do Not Drink Reclaimed Water") is also available upon request. The purple Schedule 40 pipe will not carry the NSF-pw seal or the ASTM D2665 mark.

### Length

Standard pipe is manufactured in 20' over-all lengths. ½" through 8" is available in 10' over-all lengths.

4" and above bell end pipe are furnished with 15 degree chamfers.

Pipe Size	Pressure Rating	Outside Diameter	Minimum Wall	*Bell Length
½"	600	0.840"	0.109"	1.75"
¾"	480	1.050"	0.113"	2.00"
1"	450	1.315"	0.133"	2.00"
1 ¼"	370	1.660"	0.140"	2.25"
1 ½"	330	1.900"	0.145"	2.75"
2"	280	2.375"	0.154"	4.00"
2 ½"	300	2.875"	0.203"	4.50"
3"	260	3.500"	0.216"	4.50"
4"	220	4.500"	0.237"	6.50"
6"	180	6.625"	0.280"	7.00"
8"	160	8.625"	0.322"	7.00"
10"	140	10.750"	0.365"	8.00"
12"	130	12.750"	0.406"	9.00"
14"	130	14.000"	0.437"	9.00"
16"	130	16.000"	0.500"	10.00"
18"	130	18.000"	0.562"	12.00"

\*May vary up to ± ½"



## SCHEDULE 80 PRESSURE PIPE MANUFACTURER'S CERTIFICATION

This is to certify the pipe manufactured by Sanderson Pipe Corporation meets or exceeds the applicable engineering standards listed under ASTM D1785 Potable Water (PW) for Plain End.

### Materials

Comply with ASTM D1784 for PVC 1120 cell classification 12454. Materials used in the manufacture of certified SCH80 pipe are NSF/ANSI 14 and 61 listed.

be identified on the pipe: National Sanitation Foundation seal for potable water (NSF-pw).

### Color

Schedule 80 pipe is grey.

### Dimensions/Testing

All pipe meets or exceeds the performance requirements listed in the current version of ASTM D1785.

### Length

Standard pipe is manufactured in 20' over-all lengths (only offered in plain end).

### Markings on the Pipe

Identification of nominal pipe size, plastic pipe material code, schedule size, pressure rating, ASTM designation D1785, manufacturer's name and code. The following certified seal will

Pipe Size	Pressure Class	Outside Diameter	Minimum Wall
½"	850	.840"	0.147"
¾"	690	1.050"	0.154"
1"	630	1.315"	0.179"
1 ¼"	520	1.660"	0.191"
1 ½"	470	1.900"	0.200"
2"	400	2.375"	0.218"
3"	370	3.500"	0.300"
4"	320	4.500"	0.337"
6"	280	6.625"	0.432"
8"	250	8.625"	0.500"



## ASTM F891 SCH 40 FOAM CORE MANUFACTURER'S CERTIFICATION

This is to certify the pipe manufactured by Sanderson Pipe Corporation meets or exceeds the applicable engineering standards listed below for ASTM F891 Schedule 40 coextruded cellular core drain, waste, vent pipe.

### Materials

Comply with ASTM D4396 cell classification 11432.

### Dimensions/Testing

All pipe meets or exceeds the performance requirements listed in the current version of ASTM F891.

### Markings on the Pipe

Identification of nominal pipe size, plastic pipe material code, schedule size, ASTM designation F891, the labeling "COEXTRUDED CELLULAR CORE PVC PIPE", manufacturer's name and

code, the National Sanitation Foundation seal for drain, waste, vent (NSF-dwv). Additional labeling on the pipe will include "NOT FOR PRESSURE".

### Color

Foam Core pipe is white.

### Length

Manufactured in 10' or 20' over-all lengths (only offered in plain end).

### Assembly

Refer to standard ASTM D2855.

Pipe Size	Outside Diameter	Minimum Wall
1 ½"	1.900"	0.145"
2"	2.375"	0.154"
3"	3.500"	0.216"
4"	4.500"	0.237"
6"	6.625"	0.280"





## ASTM F480 WELL CASING MANUFACTURER'S CERTIFICATION

This is to certify the pipe manufactured by Sanderson Pipe Corporation meets or exceeds the applicable engineering standards listed under ASTM F480 in conjunction with SCH 40 or SDR 21 Well Casing.

### Materials

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

### Dimensions/Testing

All pipe meets or exceeds the performance requirements listed in the current version of ASTM F480, ASTM D1785 and D2241.

### Markings on the Pipe

Identification of nominal pipe size, plastic pipe material code, schedule or SDR series, pressure rating, ASTM designation F480, manufacturer's name, code, National Sanitation Foundation

seal for potable water (NSF- pw), (NSF-wc), the labeling "Well Casing IC-O" followed by the impact classification, and either the labeling of ASTM D1785 or D2241 on the pipe.

### Color

Well casing is white.

### Length

Manufactured in 20' lay lengths.

Pipe Size	Outside Diameter	Minimum Wall		*Bell Length
		SCH40	SDR21	
2"	2.375"	0.154"	N/A	5"
3"	3.500"	0.216"	N/A	5"
4"	4.500"	0.237"	0.214"	6"
6"	6.625"	0.280"	N/A	7"

\*May vary up to  $\pm \frac{1}{2}$ "

