

# C900-16

PRESSURE-RATED PVC PIPE



**AWWA C900-16**  
**ASTM D1784 Cell Class 12454**  
**ANSI/NSF 61, UL 1285**

**Gasket: ASTM F477**  
**Joint ASTM D3139**

1700 S. Lincoln St., Siloam Springs, AR 72761

## Markets



Potable



Irrigation



Reclaim



Sewer

## Description

### Available Pipe Sizes (CIOD)

DR14 4", 6", 8", 10", 12"

DR18 & DR25 4", 6", 8", 10", 12", 14", 16", 18", 20", 24"

Nominal Laying Length = 20 feet (Laying length tolerances are in accordance with AWWA and CSA Standards)

### Available Colors



Blue



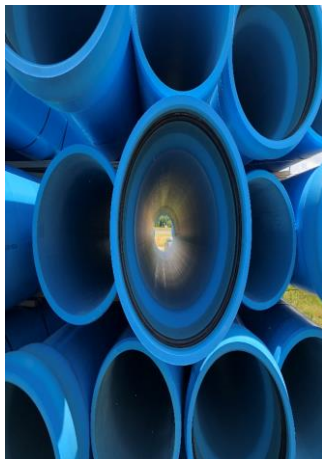
Green



Purple



White



| AWWA C900-16 |      |
|--------------|------|
| 305 psi      | DR14 |
| 235 psi      | DR18 |
| 165 psi      | DR25 |



**Product Standard:** ANSI/AWWA C900-16

**Pipe Compound:** ASTM D1784 Cell Class 12454

**Gasket:** ASTM F477

**Integral Bell Joint:** ASTM D3139

**Certifications:**

- ANSI/NSF 61,
- UL 1285 (DR14, 18, 25, up to 24")
- FM 1612\* (DR14 / DR18; 4"-12")

**Nominal Laying Length;** 20 feet

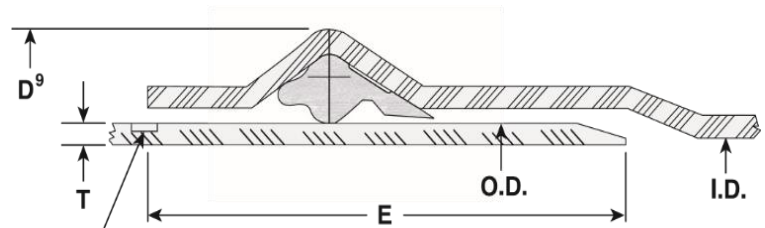
(Laying length tolerances with AWWA and/or CSA standards)

**Installation:**

UniBell Installation guide for PVC Pressure Pipe

**Other:**

Manning Coefficient (n) = 0.009 • Hazen-Williams Coefficient (c) = 150



Assembly Mark

- |      |                        |    |   |
|------|------------------------|----|---|
| I.D. | Inside Diameter        | D9 | Bell Outside Diameter                                     |
| O.D. | Outside Diameter       | E. | Distance between Assembly Mark and the end of the spigot. |
| T.   | Minimum Wall Thickness |    |   |

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# C900-16

PRESSURE-RATED PVC PIPE



1700 S. Lincoln St. Siloam Springs, AR. 72761

## DR14 C900-16

Pressure ratings area: UL 305 psi and FM 250 psi both at 73°F (Pipe stiffness 815 psi)

| Size | Average OD | Nominal ID | Min Wall | Bell Depth | Bell OD | Insertion depth | Weigh per foot | Pallet footage | order units | FT Truck |
|------|------------|------------|----------|------------|---------|-----------------|----------------|----------------|-------------|----------|
| 4"   | 4.80       | 4.07       | 0.343    | 5.50       | 6.14    | 5.00            | 3.22           | 36             | 2.4         | 14,400   |
| 6"   | 6.90       | 5.85       | 0.493    | 6.75       | 8.59    | 6.00            | 6.70           | 18             | 2.4         | 7,200    |
| 8"   | 9.05       | 7.68       | 0.646    | 7.75       | 11.05   | 6.75            | 11.55          | 10             | 2.4         | 4,000    |
| 10"  | 11.10      | 9.42       | 0.793    | 8.50       | 13.44   | 7.25            | 17.46          | 4              | 1.71        | 2,240    |
| 12"  | 13.20      | 11.20      | 0.943    | 9.25       | 15.79   | 8.00            | 24.75          | 4 to 3         | 4           | 1,960    |

## DR18 C900-16

Pressure ratings area: UL 235 psi and FM 185 psi both at 73°F (Pipe stiffness 364 psi)

| Size | Average OD | Nominal ID | Min Wall | Bell Depth | Bell OD | Insertion depth | Weigh per foot | Pallet footage | order units | FT Truck |
|------|------------|------------|----------|------------|---------|-----------------|----------------|----------------|-------------|----------|
| 4"   | 4.80       | 4.23       | 0.267    | 5.50       | 6.14    | 5.00            | 2.55           | 36             | 2.4         | 14,400   |
| 6"   | 6.90       | 6.09       | 0.383    | 6.75       | 8.59    | 6.00            | 5.29           | 18             | 2.4         | 7,200    |
| 8"   | 9.05       | 7.98       | 0.503    | 7.75       | 11.05   | 6.75            | 9.15           | 10             | 2.4         | 4,000    |
| 10"  | 11.10      | 9.79       | 0.617    | 8.50       | 13.44   | 7.25            | 13.82          | 4              | 1.71        | 2,240    |
| 12"  | 13.20      | 11.65      | 0.733    | 9.25       | 15.79   | 8.00            | 19.56          | 4 to 3         | 4           | 1,960    |
| 14"  | 15.30      | 13.50      | 0.850    | 9.25       | 18.00   | 8.00            | 26.67          | 60             | 2           | 1,440    |
| 16"  | 17.40      | 15.35      | 0.967    | 9.75       | 21.00   | 8.50            | 34.55          | 60             | 4           | 1,000    |
| 18"  | 19.50      | 17.20      | 1.083    | 10.25      | 23.50   | 9.00            | 43.46          | 100            | 6           | 800      |
| 20"  | 21.60      | 19.06      | 1.200    | 11.25      | 25.50   | 10.00           | 53.44          | 40             | 3           | 640      |
| 24"  | 25.80      | 22.76      | 1.433    | 11.25      | 29.75   | 10.00           | 77.03          | 40             | 3           | 480      |

## DR25 C900-16

Pressure ratings area: UL 165 psi at 73° degrees (Pipe stiffness 129 psi)

| Size | Average OD | Nominal ID | Min Wall | Bell Depth | Bell OD | Insertion depth | Weigh per foot | Pallet footage | order units | FT Truck |
|------|------------|------------|----------|------------|---------|-----------------|----------------|----------------|-------------|----------|
| 4"   | 4.80       | 4.39       | 0.192    | 5.50       | 6.14    | 5.00            | 1.87           | 36             | 2.4         | 14,400   |
| 6"   | 6.90       | 6.32       | 0.276    | 6.75       | 8.59    | 6.00            | 3.90           | 18             | 2.4         | 7,200    |
| 8"   | 9.05       | 8.28       | 0.362    | 7.75       | 11.05   | 6.75            | 6.69           | 10             | 2.4         | 4,000    |
| 10"  | 11.10      | 10.16      | 0.444    | 8.50       | 13.44   | 7.25            | 10.16          | 4              | 1.71        | 2,240    |
| 12"  | 13.20      | 12.08      | 0.528    | 9.25       | 15.79   | 8.00            | 14.43          | 4              | 4           | 1,960    |
| 14"  | 15.30      | 14.00      | 0.612    | 9.25       | 18.00   | 8.00            | 19.57          | 36             | 2.4         | 1,440    |
| 16"  | 17.40      | 15.92      | 0.696    | 9.75       | 21.00   | 8.50            | 25.35          | 18             | 2.4         | 1,000    |
| 18"  | 19.50      | 17.85      | 0.780    | 10.25      | 23.50   | 9.00            | 31.91          | 10             | 2.4         | 800      |
| 20"  | 21.60      | 19.77      | 0.864    | 11.25      | 25.50   | 10.00           | 39.23          | 4              | 1.71        | 640      |
| 24"  | 25.80      | 23.61      | 1.032    | 11.25      | 29.75   | 10.00           | 56.55          | 4 to 3         | 4           | 480      |



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