

PIPELINE SIZE AND VOLUME

A. Actual Inside Diameter (Inches)

| Nominal Pipe Size (inches) | Outside Pipe Diameter (inches) | PVC Flexible Pressure Pipe | | | | PVC Rigid Pipe | | Corrugated Drainage Tile |
|----------------------------|--------------------------------|----------------------------|-------|-------|-------|----------------|--------|--------------------------|
| | | SDR32.5 | SDR26 | SDR21 | SDR17 | Sch.40 | Sch.80 | |
| 1 | 1.315 | | 1.195 | 1.189 | 1.161 | 1.049 | .957 | |
| 1 ¼ | 1.660 | 1.54 | 1.532 | 1.502 | 1.464 | 1.380 | 1.278 | |
| 1 ½ | 1.90 | 1.78 | 1.754 | 1.72 | 1.676 | 1.610 | 1.50 | |
| 2 | 2.375 | 2.229 | 2.193 | 2.149 | 2.095 | 2.067 | 1.939 | |
| 2 ½ | 2.875 | 2.699 | 2.655 | 2.601 | 2.537 | 2.469 | 2.323 | |
| 3 | 3.50 | 3.284 | 3.23 | 3.166 | 3.088 | 3.068 | 2.90 | |
| 3 ½ | 4.0 | 3.754 | 3.692 | 3.62 | 3.53 | 3.548 | 3.364 | |
| 4 | 4.50 | 4.224 | 4.154 | 4.072 | 3.97 | 4.026 | 3.826 | 4.00 |
| 5 | 5.563 | 5.221 | 5.135 | 5.033 | 4.909 | 5.047 | 4.813 | 5.00 |
| 6 | 6.625 | 6.217 | 6.115 | 5.993 | 5.845 | 6.065 | 5.761 | 6.00 |
| 8 | 8.625 | 8.095 | 7.961 | 7.805 | 7.609 | 7.981 | 7.625 | |

B. Volume Per 100 Feet (Gallons)

| Nominal Pipe Size (inches) | PVC Flexible Pressure Pipe | | | | PVC Rigid | | |
|----------------------------|----------------------------|-------|-------|-------|-----------|--------|------|
| | SDR32.5 | SDR26 | SDR21 | SDR17 | Sch. 40 | SCH.80 | |
| 1 | | 5.8 | 5.8 | 5.5 | 4.5 | 3.7 | |
| 1 ¼ | 9.7 | 9.6 | 9.2 | 8.7 | 7.8 | 6.7 | |
| 1 ½ | 12.9 | 12.6 | 12.1 | 11.5 | 10.6 | 9.2 | |
| 2 | 20.3 | 19.6 | 18.8 | 17.9 | 17.4 | 15.3 | |
| 2 ½ | 29.7 | 28.8 | 27.6 | 26.3 | 24.9 | 22.0 | |
| 3 | 44.0 | 42.6 | 40.9 | 38.9 | 38.4 | 34.3 | |
| 3 ½ | 57.5 | 55.6 | 53.5 | 50.8 | 51.4 | 46.2 | |
| 4 | 72.8 | 70.4 | 67.7 | 64.3 | 66.1 | 59.7 | 65.3 |
| 5 | 111 | 108 | 103 | 98.3 | 104 | 94.5 | 102 |
| 6 | 158 | 153 | 147 | 139 | 150 | 135 | 147 |
| 8 | 267 | 259 | 249 | 236 | 260 | 237 | |

NOTES:

“SDR” means standard dimension ratio and is the ratio of outside pipe diameter to wall thickness.

Source: derived from ASTM Standards D-1785, D-2241, D-2729, and F-405

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