

# SPECIFICATIONS ON 12" IPS HMW HDPE 4710 PIPE

## PRESSURE DROP VS. FLOWRATE

### PIPE MANUFACTURING STANDARDS

- ASTM D3035
- ASTM F714
- ASTM F2619
- NSF/ ANSI 14

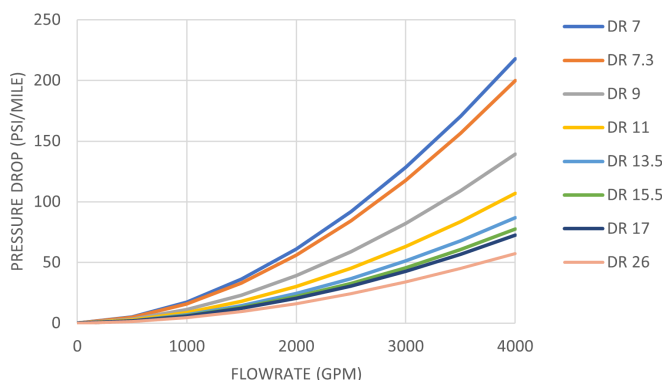
### PIPE RESIN STANDARDS

- ASTM D3350

### WATER WORKS STANDARDS

- AWWA C901
- AWWA C906
- NSF/ ANSI 61

## PRESSURE DROP VS FLOWRATE FOR 12" HDPE PIPE



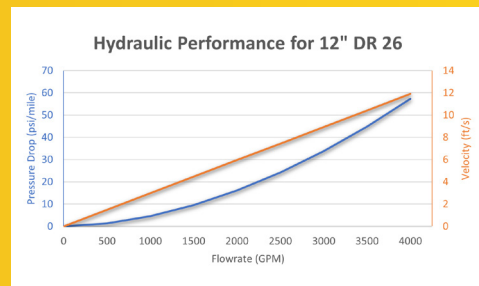
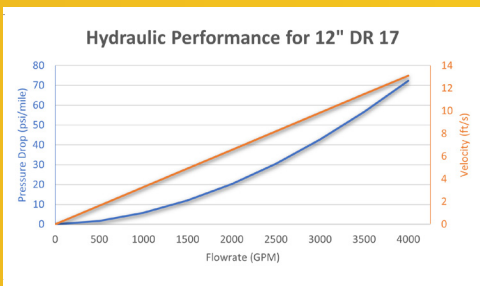
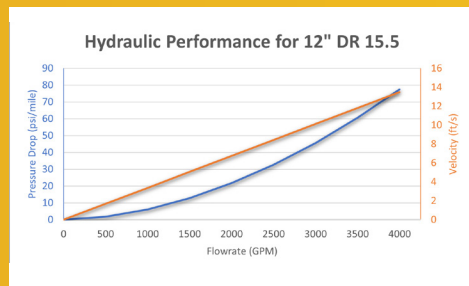
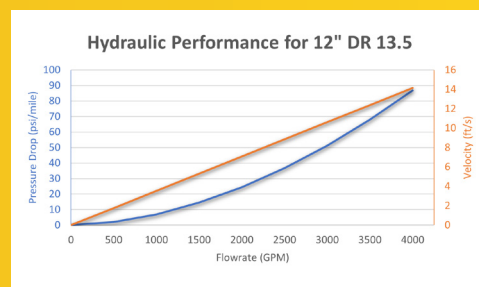
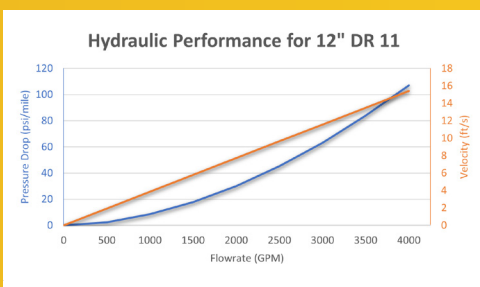
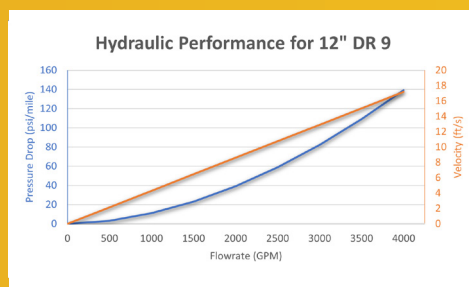
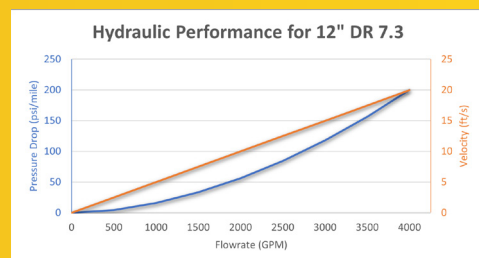
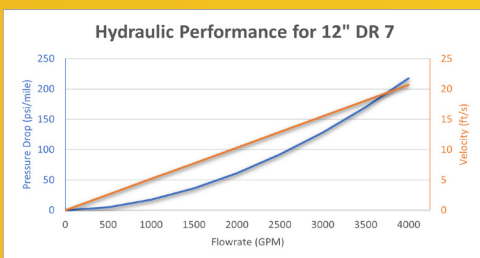
### Temperature Deratings

| Temperature | Multiplier, F <sub>T</sub> |
|-------------|----------------------------|
| 40          | 1.22                       |
| 50          | 1.15                       |
| 60          | 1.08                       |
| 70          | 1.02                       |
| 73          | 1.00                       |
| 80          | 0.96                       |
| 90          | 0.90                       |
| 100         | 0.84                       |
| 110         | 0.78                       |
| 120         | 0.73                       |
| 130         | 0.68                       |
| 140         | 0.63                       |

| Avg OD, in | DR              | 7       | 7.3     | 9       | 11      | 13.5    | 15.5    | 17      | 26     |
|------------|-----------------|---------|---------|---------|---------|---------|---------|---------|--------|
|            | Pressure Rating | 335 psi | 317 psi | 250 psi | 200 psi | 160 psi | 138 psi | 125 psi | 80 psi |
|            | Min Wall, in    | 1.821   | 1.747   | 1.417   | 1.159   | 0.944   | 0.823   | 0.750   | 0.490  |
| 12.75      | Avg ID, in      | 8.889   | 9.047   | 9.747   | 10.293  | 10.748  | 11.006  | 11.160  | 11.710 |
|            | Weight, ft/lb   | 27.300  | 26.370  | 22.075  | 18.500  | 15.372  | 13.535  | 12.421  | 8.308  |

## HYDRAULIC PERFORMANCE

\*Calculations performed using water as the transfer fluid.



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