



FIRE HOSE FRICTION LOSS

| Flow In U.S. GPM | Pressure Loss in PSI per 100' Hose | | | | | | | | | | | Equal Length Siamesed Lines | | |
|------------------------|------------------------------------|------|------|-------|------|------|------|------|------|------|------|--------------------------------|----------|----------|
| | .75" | 1.0" | 1.5" | 1.75" | 2.0" | 2.5" | 3.0" | 3.5" | 4.0" | 5.0" | 6.0" | 2 x 2.5" | 3 x 2.5" | 2 x 3.0" |
| 10 | 13.5 | 3.5 | | | | | | | | | | | | |
| 20 | 50 | 12.5 | | | | | | | | | | | | |
| 30 | 105 | 26 | | | | | | | | | | | | |
| 40 | | 44 | 4.5 | 3 | 1 | | | | | | | | | |
| 60 | | 92 | 10 | 5 | 2.5 | | | | | | | | | |
| 95 | | | 22 | 11 | 5 | | | | | | | | | |
| 100 | | | 25 | 12 | 6 | 3 | 1 | | | | | | | |
| 125 | | | 37 | 21 | 10 | 4 | 1 | | | | | | | |
| 150 | | | 54 | 26 | 13.5 | 6 | 2 | | | | | | | |
| 175 | | | | 34 | 18 | 8 | 3 | | | | | | | |
| 200 | | | | 45 | 24 | 10 | 4 | 2 | | | | | | |
| 225 | | | | 57 | 30 | 12 | 4.5 | 2 | | | | | | |
| 250 | | | | 70 | 37.5 | 15 | 6 | 2.5 | | | | | | |
| 275 | | | | 82 | 45 | 17.5 | 7 | 3 | | | | | | |
| 300 | | | | 95 | 54 | 21 | 8 | 3.5 | 2 | | | 6 | 3 | 2 |
| 325 | | | | | 65 | 24.5 | 9.5 | 4 | 2.5 | | | 6.5 | 3 | 2.5 |
| 350 | | | | | 78 | 28 | 11 | 5 | 2.5 | | | 8 | 3.5 | 3 |
| 400 | | | | | 96 | 36 | 14 | 6 | 3 | 1 | | 10 | 4.5 | 4 |
| 450 | | | | | | 45 | 17.5 | 8 | 4 | 1.5 | | 12.5 | 6 | 5 |
| 500 | | | | | | 55 | 21 | 9.5 | 5 | 2 | | 15.5 | 7 | 6 |
| 550 | | | | | | | 25.5 | 11.5 | 6 | 2 | | 18.5 | 8.5 | 7 |
| 600 | | | | | | | 30 | 13.5 | 7 | 2.5 | | 23 | 10 | 8.5 |
| 650 | | | | | | | 35 | 15.5 | 8.5 | 3 | | 25.5 | 12 | 10 |
| 700 | | | | | | | 40.5 | 18 | 9.5 | 3.5 | 1 | 29.5 | 13.5 | 11.5 |
| 750 | | | | | | | 46 | 20 | 11.5 | 4 | 1 | 33.5 | 15.5 | 13 |
| 800 | | | | | | | 53 | 23 | 12.5 | 4.5 | 1.5 | 38 | 17.5 | 14.5 |
| 850 | | | | | | | | 25.5 | 14.5 | 5 | 1.5 | 43 | 20 | 16.5 |
| 900 | | | | | | | | 28 | 16 | 5.5 | 2 | 48 | 22.5 | 18.5 |
| 950 | | | | | | | | 31 | 17.5 | 6 | 2 | | 25 | 20.5 |
| 1000 | | | | | | | | 34 | 19 | 6.5 | 2.5 | | 28 | 22.5 |
| 1100 | | | | | | | | 41 | 23 | 8 | 3 | | 33 | 27 |
| 1200 | | | | | | | | 49 | 27.5 | 9.5 | 4 | | 39 | 32 |
| 1300 | | | | | | | | 57 | 32.5 | 11 | 4.5 | | 45 | 38 |
| 1400 | | | | | | | | 66.5 | 38 | 13 | 5 | | 52 | 44 |
| 1500 | | | | | | | | 76.5 | 43 | 15 | 6 | | 60 | 50 |
| 1750 | | | | | | | | | 59 | 20 | 8 | | | |
| 2000 | | | | | | | | | 77 | 26.5 | 10.5 | | | |
| 2500 | | | | | | | | | | 41.5 | 16.5 | | | |

Note: These friction loss figures will vary accordingly with age and manufacturer of hose.