



Perfect Metric Sprinkler Performance Chart

750S/250M

| PE HOSE: O.D. mm | | | FIELD-PIPE LENGTH MT | | | | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | | |
|------------------|-----------------|------------------|----------------------|------------|----------|-----------------------|----------------------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|---------|----------------|
| 75 | | | 250 | | | | | 10 | | 20 | | 30 | | 40 | | 50 | | 60 | | 70 | | 80 | | 90 | | 100 | |
| nozzle diam mm | nozzle pres bar | theoric throw mt | Flow mc/h | Flow l/min | Flow l/s | Pull to pull dist. mt | Irrigated area per pull Ha | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar |
| 16 | 2 | 24.15 | 13.6 | 227 | 4 | 38.6 | 0.97 | 35 | 2.9 | 18 | 3.0 | 12 | 3.2 | 9 | 3.4 | 7 | 3.5 | 6 | 3.7 | 5 | 3.9 | 4 | 4.0 | 4 | 4.2 | 4 | 4.4 |
| 16 | 2.5 | 27.00 | 15.2 | 254 | 4.2 | 43.2 | 1.08 | 35 | 3.5 | 18 | 3.7 | 12 | 3.8 | 9 | 4.0 | 7 | 4.2 | 6 | 4.3 | 5 | 4.5 | 4 | 4.7 | 4 | 4.8 | 4 | 5.0 |
| 16 | 3 | 29.58 | 16.7 | 278 | 4.6 | 47.3 | 1.18 | 35 | 4.2 | 18 | 4.3 | 12 | 4.5 | 9 | 4.7 | 7 | 4.8 | 6 | 5.0 | 5 | 5.2 | 4 | 5.3 | 4 | 5.5 | 4 | 5.7 |
| 16 | 4 | 34.15 | 19.2 | 321 | 5.3 | 54.6 | 1.37 | 35 | 5.5 | 18 | 5.6 | 12 | 5.8 | 9 | 6.0 | 7 | 6.1 | 6 | 6.3 | 5 | 6.5 | 4 | 6.6 | 4 | 6.8 | 4 | 7.0 |
| 16 | 5 | 38.18 | 21.5 | 359 | 6.0 | 61.1 | 1.53 | 35 | 6.8 | 18 | 6.9 | 12 | 7.1 | 9 | 7.3 | 7 | 7.4 | 6 | 7.6 | 5 | 7.8 | 4 | 7.9 | 4 | 8.1 | 4 | 8.3 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 2 | 25.61 | 17.2 | 287 | 4.8 | 41.0 | 1.02 | 42 | 3.2 | 21 | 3.4 | 14 | 3.6 | 11 | 3.7 | 8 | 3.9 | 7 | 4.1 | 6 | 4.2 | 5 | 4.4 | 5 | 4.6 | 4 | 4.7 |
| 18 | 3.0 | 31.37 | 21.1 | 352 | 5.9 | 50.2 | 1.25 | 42 | 4.7 | 21 | 4.9 | 14 | 5.0 | 11 | 5.2 | 8 | 5.4 | 7 | 5.5 | 6 | 5.7 | 5 | 5.9 | 5 | 6.0 | 4 | 6.2 |
| 18 | 4 | 36.22 | 24.4 | 406 | 6.8 | 58.0 | 1.45 | 42 | 6.2 | 21 | 6.3 | 14 | 6.5 | 11 | 6.7 | 8 | 6.8 | 7 | 7.0 | 6 | 7.2 | 5 | 7.3 | 5 | 7.5 | 4 | 7.7 |
| 18 | 5 | 40.50 | 27.2 | 454 | 7.6 | 64.8 | 1.62 | 42 | 7.6 | 21 | 7.8 | 14 | 8.0 | 11 | 8.1 | 8 | 8.3 | 7 | 8.5 | 6 | 8.6 | 5 | 8.8 | 5 | 9.0 | 4 | 9.1 |
| 18 | 6 | 44.37 | 29.8 | 497 | 8.3 | 71.0 | 1.77 | 42 | 9.1 | 21 | 9.3 | 14 | 9.4 | 11 | 9.6 | 8 | 9.8 | 7 | 9.9 | 6 | 10.1 | 5 | 10.3 | 5 | 10.4 | 4 | 10.6 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 2 | 27.00 | 21.3 | 354 | 5.9 | 43.2 | 1.08 | 49 | 3.7 | 25 | 3.9 | 16 | 4.1 | 12 | 4.2 | 10 | 4.4 | 8 | 4.6 | 7 | 4.7 | 6 | 4.9 | 5 | 5.1 | 5 | 5.2 |
| 20 | 3.0 | 33.07 | 26.0 | 434 | 7.2 | 52.9 | 1.32 | 49 | 5.4 | 25 | 5.6 | 16 | 5.8 | 12 | 5.9 | 10 | 6.1 | 8 | 6.3 | 7 | 6.4 | 6 | 6.6 | 5 | 6.8 | 5 | 6.9 |
| 20 | 4 | 38.18 | 30.1 | 501 | 8.4 | 61.1 | 1.53 | 49 | 7.1 | 25 | 7.3 | 16 | 7.5 | 12 | 7.6 | 10 | 7.8 | 8 | 8.0 | 7 | 8.1 | 6 | 8.3 | 5 | 8.5 | 5 | 8.6 |
| 20 | 5 | 42.69 | 33.6 | 560 | 9.3 | 68.3 | 1.71 | 49 | 8.8 | 25 | 9.0 | 16 | 9.2 | 12 | 9.3 | 10 | 9.5 | 8 | 9.7 | 7 | 9.8 | 6 | 10.0 | 5 | 10.2 | 5 | 10.3 |
| 20 | 6 | 46.77 | 36.8 | 614 | 10.2 | 74.8 | 1.87 | 49 | 10.5 | 25 | 10.7 | 16 | 10.8 | 12 | 11.0 | 10 | 11.2 | 8 | 11.3 | 7 | 11.5 | 6 | 11.7 | 5 | 11.8 | 5 | 12.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 2 | 28.32 | 25.7 | 429 | 7.1 | 45.3 | 1.13 | 57 | 4.4 | 28 | 4.6 | 19 | 4.7 | 14 | 4.9 | 11 | 5.1 | 9 | 5.2 | 8 | 5.4 | 7 | 5.6 | 6 | 5.7 | 6 | 5.9 |
| 22 | 3.0 | 34.68 | 31.5 | 525 | 8.8 | 55.5 | 1.39 | 57 | 6.4 | 28 | 6.6 | 19 | 6.7 | 14 | 6.9 | 11 | 7.1 | 9 | 7.2 | 8 | 7.4 | 7 | 7.6 | 6 | 7.7 | 6 | 7.9 |
| 22 | 4 | 40.05 | 36.4 | 606 | 10.1 | 64.1 | 1.60 | 57 | 8.4 | 28 | 8.6 | 19 | 8.7 | 14 | 8.9 | 11 | 9.1 | 9 | 9.2 | 8 | 9.4 | 7 | 9.6 | 6 | 9.7 | 6 | 9.9 |

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|------------------|-----------------|------------------|----------------------|------------|----------|-----------------------|----------------------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|---------|----------------|
| 75 | | | 250 | | | | | 10 | | 20 | | 30 | | 40 | | 50 | | 60 | | 70 | | 80 | | 90 | | 100 | |
| nozzle diam mm | nozzle pres bar | theoric throw mt | Flow mc/h | Flow l/min | Flow l/s | Pull to pull dist. mt | Irrigated area per pull Ha | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar |
| 22 | 5 | 44.77 | 40.7 | 678 | 11.3 | 71.6 | 1.79 | 57 | 10.4 | 28 | 10.5 | 19 | 10.7 | 14 | 10.9 | 11 | 11.0 | 9 | 11.2 | 8 | 11.4 | 7 | 11.5 | 6 | 11.7 | 6 | 11.9 |
| 22 | 6 | 49.05 | 44.6 | 743 | 12.4 | 78.5 | 1.96 | 57 | 12.3 | 28 | 12.5 | 19 | 12.7 | 14 | 12.8 | 11 | 13.0 | 9 | 13.2 | 8 | 13.3 | 7 | 13.5 | 6 | 13.7 | 6 | 13.8 |