

ST-1600-HS-B

With a powerful throwing radius of up to 50.3 m, the ST-1600-HS-B Rotor is the ideal choice for cleaning, cooling, and flushing expansive synthetic turf sports fields so they're always ready for play.

KEY BENEFITS

- Proven, isolated, grease-lubricated gear drive delivers consistent top-performance
- Flexible arc adjustment from 40° to non-reversing 360° with left and right movable stops makes it easy to set a precise arc
- Ratcheting nozzle turret for simple setup
- Adjustable speed of rotation up to 65 seconds enables quick wetting where temperature control is needed
- Stainless steel and brass internal construction for long-term reliability
- Six nozzle choices included from 16 to 26 (20 standard) with 25° trajectory for choosing the perfect option



OPERATING SPECIFICATIONS

- Radius 32.5 to 50.3 m
- Flow: 21.8 to 74.2 m³/hr; 364 to 1,237 l/min
- Operating pressure range: 4.0 to 8.0 bar; 400 to 800 kPa
- Precipitation rate: 60 mm/hr approximately

Warranty period: 5 years for component parts

USER-INSTALLED OPTIONS

- Short-Radius Nozzle Kit: P/N 959900
- Adapter, 2" (50 mm) male spigot x 2" (50 mm) male BSP: P/N 241400SP

ST-1600 NOZZLE PERFORMANCE DATA

| Nozzle | Pressure | | Radius m | Flow | | Precip mm/hr | |
|--------|----------|-----|-------------|--------------------|-------|--------------|------|
| | bar | kPa | | m ³ /hr | l/min | ■ | ▲ |
| 16 | 4.0 | 400 | 32.5 | 21.8 | 364 | 41.4 | 47.8 |
| | 5.0 | 500 | 35.0 | 24.4 | 406 | 39.8 | 45.9 |
| | 6.0 | 600 | 37.0 | 26.8 | 446 | 39.1 | 45.1 |
| | 7.0 | 700 | 39.0 | 28.9 | 482 | 38.0 | 43.9 |
| | 8.0 | 800 | 41.0 | 31.2 | 520 | 37.1 | 42.9 |
| 18 | 4.0 | 400 | 34.0 | 24.3 | 405 | 42.0 | 48.6 |
| | 5.0 | 500 | 37.0 | 27.1 | 452 | 39.6 | 45.8 |
| | 6.0 | 600 | 39.0 | 29.8 | 496 | 39.1 | 45.2 |
| | 7.0 | 700 | 40.5 | 32.1 | 535 | 39.1 | 45.2 |
| | 8.0 | 800 | 43.0 | 34.8 | 580 | 37.6 | 43.5 |
| 20 | 4.0 | 400 | 35.0 | 32.7 | 545 | 53.4 | 61.7 |
| | 5.0 | 500 | 39.0 | 36.5 | 609 | 48.1 | 55.5 |
| | 6.0 | 600 | 43.0 | 40.1 | 668 | 43.4 | 50.1 |
| | 7.0 | 700 | 44.0 | 43.3 | 721 | 44.7 | 51.6 |
| | 8.0 | 800 | 45.0 | 46.4 | 773 | 45.8 | 52.9 |
| 22 | 4.0 | 400 | 36.0 | 38.9 | 649 | 60.1 | 69.4 |
| | 5.0 | 500 | 39.5 | 43.6 | 726 | 55.8 | 64.5 |
| | 6.0 | 600 | 44.0 | 47.7 | 795 | 49.3 | 56.9 |
| | 7.0 | 700 | 47.0 | 51.5 | 859 | 46.7 | 53.9 |
| | 8.0 | 800 | 48.0 | 55.2 | 920 | 47.9 | 55.3 |
| 24 | 4.0 | 400 | 37.0 | 45.9 | 765 | 67.1 | 77.4 |
| | 5.0 | 500 | 40.5 | 51.3 | 855 | 62.6 | 72.2 |
| | 6.0 | 600 | 45.0 | 56.2 | 937 | 55.5 | 64.1 |
| | 7.0 | 700 | 47.5 | 60.7 | 1012 | 53.8 | 62.2 |
| | 8.0 | 800 | 48.7 | 65.0 | 1084 | 54.9 | 63.3 |
| 26 | 4.0 | 400 | 38.4 | 53.0 | 883 | 71.8 | 82.9 |
| | 5.0 | 500 | 41.4 | 59.2 | 986 | 68.8 | 79.5 |
| | 6.0 | 600 | 46.0 | 64.6 | 1077 | 61.0 | 70.4 |
| | 7.0 | 700 | 48.7 | 69.7 | 1162 | 58.6 | 67.7 |
| | 8.0 | 800 | 50.3 | 74.2 | 1237 | 58.7 | 67.8 |

Note: All precipitation rates calculated for 180 degree operation. For precipitation rate of 360 degree sprinkler divide by 2.

ST-1600 SHORT-RADIUS NOZZLE KIT PERFORMANCE CHART

| Nozzle | Pressure | | Radius m | Flow | | Precip mm/hr | |
|--------|----------|-----|-------------|--------------------|-------|--------------|------|
| | bar | kPa | | m ³ /hr | l/min | ■ | ▲ |
| 8 | 4 | 400 | 21.3 | 5.3 | 88 | 23.3 | 26.8 |
| | 5 | 500 | 21.9 | 5.8 | 97 | 24.1 | 27.8 |
| | 6 | 600 | 22.6 | 6.2 | 103 | 24.4 | 28.1 |
| | 7 | 700 | 23.2 | 6.6 | 111 | 24.7 | 28.5 |
| 10 | 4 | 400 | 24.7 | 8.6 | 143 | 28.2 | 32.5 |
| | 5 | 500 | 25.6 | 9.7 | 161 | 29.5 | 34 |
| | 6 | 600 | 26.2 | 10.7 | 178 | 31.1 | 36 |
| | 7 | 700 | 26.8 | 11.6 | 193 | 32.2 | 37.2 |
| 12 | 4 | 400 | 28 | 12.2 | 204 | 31.1 | 36 |
| | 5 | 500 | 28.7 | 13.7 | 229 | 33.5 | 38.7 |
| | 6 | 600 | 29.3 | 14.9 | 249 | 34.9 | 40.3 |
| | 7 | 700 | 29.9 | 16.3 | 272 | 36.6 | 42.2 |
| 14 | 4 | 400 | 31.4 | 15.7 | 262 | 31.9 | 36.9 |
| | 5 | 500 | 32 | 17.8 | 296 | 34.7 | 40 |
| | 6 | 600 | 32.9 | 19.4 | 324 | 35.8 | 41.4 |
| | 7 | 700 | 33.5 | 21 | 350 | 37.4 | 43.2 |

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<https://hunterirrigation.com/en-metric/irrigation-product/st-system/st-1600-hs-b122324>