





































Back Nozzle Performance Data - Metric

| Nozzles | | | | 4,5 Bar 448 kPa 4,6 kg/cm2 | 5,5 Bar 552 kPa 5,6 kg/cm2 | | | |
|----------|-------------------------------------|---|---------|----------------------------|----------------------------|------------|------|---|
| Part # | Description | Color | | Radius -m | LPM | Radius - m | LPM | Profile |
| 102-6937 | Inner Nozzle with Yellow Restrictor |  | Yel/Yel | 8.8 | 14.0 | 9.2 | 15.5 |  |
| 102-6531 | Inner Nozzle with White Restrictor |  | Grn/Wht | 9.5 | 16.1 | 10.1 | 17.4 |  |
| 102-2135 | Inner nozzle assy w/ wht restrictor |  | wht/wht | 7.6 | 15.5 | 7.9 | 17.0 |  |
| 102-2136 | Inner nozzle assy w/ yel restrictor |  | yel/yel | 7.3 | 14.4 | 7.6 | 15.5 |  |
| 102-6883 | Intermediate Nozzle |  | Brown | 11.6 | 10.6 | 11.6 | 10.6 |  |
| 102-6884 | Intermediate Nozzle |  | Yellow | 12.5 | 15.5 | 13.1 | 17.0 |  |
| 102-6885 | Intermediate Nozzle |  | Green | 12.8 | 20.4 | 13.7 | 22.7 |  |
| 102-2925 | Intermediate Nozzle |  | Blue | 12.2 | 10.6 | 12.8 | 12.1 |  |
| 102-2926 | Intermediate Nozzle |  | Orange | 13.4 | 16.3 | 13.7 | 18.2 |  |
| 102-2927 | Intermediate Nozzle |  | Gray | 14.0 | 19.3 | 14.3 | 20.4 |  |
| 102-2928 | Intermediate Nozzle |  | Red | 14.6 | 24.6 | 15.3 | 26.5 |  |
| 102-2929 | Intermediate Nozzle |  | Beige | 15.6 | 30.7 | 16.2 | 34.4 |  |













Back Nozzle Performance Data - U.S.

| Nozzles | | | | 65 PSI | | 80 PSI | | |
|----------|--|---|---------|--------|-----|--------|-----|---|
| Part # | Description | Color | | Radius | GPM | Radius | GPM | Profile |
| 102-6937 | Inner Nozzle with Yellow Restrictor |  | Yel/Yel | 29 | 3.7 | 30 | 4.1 |  |
| 102-6531 | Inner Nozzle with White Restrictor |  | Grn/Wht | 31 | 4.3 | 33 | 4.6 |  |
| 102-2135 | Inner Nozzle Assy with White Restrictor |  | wht/wht | 25 | 4.1 | 26 | 4.5 |  |
| 102-2136 | Inner Nozzle Assy with Yellow Restrictor |  | yel/yel | 24 | 3.8 | 25 | 4.1 |  |
| 102-6883 | Intermediate Nozzle |  | Brown | 38 | 2.8 | 38 | 2.8 |  |
| 102-6884 | Intermediate Nozzle |  | Yellow | 41 | 4.1 | 43 | 4.5 |  |
| 102-6885 | Intermediate Nozzle |  | Green | 42 | 5.4 | 45 | 6.0 |  |
| 102-2925 | Intermediate Nozzle |  | Blue | 40 | 2.8 | 42 | 3.2 |  |
| 102-2926 | Intermediate Nozzle |  | Orange | 44 | 4.3 | 45 | 4.8 |  |
| 102-2927 | Intermediate Nozzle |  | Gray | 46 | 5.1 | 47 | 5.4 |  |
| 102-2928 | Intermediate Nozzle |  | Red | 48 | 6.5 | 50 | 7.0 |  |
| 102-2929 | Intermediate Nozzle |  | Beige | 51 | 8.1 | 53 | 9.1 |  |

Mainless Nozzle Performance Data - Metric

| | | |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|--------|---|---|---|---|---|---|--|---|---|---|---|---|
| | | | Green 102-6531 | Plug 102-2208 | Grey 102-2927 | Green 102-6531 | Plug 102-2208 | Green 102-6885 | Green 102-6531 | Plug 102-2208 | Red 102-2928 | Green 102-6531 | Plug 102-2208 | Beige 102-2929 |
| Bar | kPa | kg/cm2 | Radius | LPM | | Radius | LPM | | Radius | LPM | | Radius | LPM | |
| 4,5 | 448 | 4,6 | 10,4 | 39,5 | | 13,4 | 38,6 | | 14,6 | 43,5 | | 15,3 | 51,1 | |
| SOR | | | 3:40 | | | 3:50 | | | 3:25 | | | 2:40 | | |
| 80 | 46 | 9.6 | 11,3 | 43,9 | | 13,4 | 43,1 | | 14,6 | 48,8 | | 15,3 | 56.8 | |
| SOR | | | 3:15 | | | 3:25 | | | 3:00 | | | 2:30 | | |

Mainless Nozzle Performance Data - U.S.

| | | |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|--------|------|---|---|---|---|---|---|--|---|---|---|---|---|
| | | | Green 102-6531 | Plug 102-2208 | Grey 102-2927 | Green 102-6531 | Plug 102-2208 | Green 102-6885 | Green 102-6531 | Plug 102-2208 | Red 102-2928 | Green 102-6531 | Plug 102-2208 | Beige 102-2929 |
| PSI | Radius | GPM | Radius | GPM | | Radius | GPM | | Radius | GPM | | Radius | GPM | |
| 65 | 34 | 10.4 | 44 | 10.2 | | 48 | 11.5 | | 50 | 13.5 | | | | |
| SOR | | | 3:40 | | | 3:50 | | | 3:25 | | | 2:40 | | |
| 80 | 37 | 11.6 | 44 | 11.4 | | 48 | 12.9 | | 50 | 15.0 | | | | |
| SOR | | | 3:15 | | | 3:25 | | | 3:00 | | | 2:30 | | |



835S/855S Series



Operating Specifications

- Inlet:
 - 835S: 25mm (1") NPT, BSP or ACME
 - 855S: 38.1mm (1 1/2") NPT, BSP or ACME
- Radius:
 - 835S: 12.8 – 28.0m (42' – 92')
 - 855S: 15.9 – 30.5m (52' – 100')
- Flow Rate:
 - 835S: 26.9-171.5 LPM (7.1 – 45.3 GPM)
 - 855S: 52.6-231.3 LPM (13.9 - 61.1 GPM)
- Precipitation Rates:
 - 835S:
 - Minimum: 9mm/hr (.37"/hr);
 - Maximum: 13.5mm/hr (.53"/hr)
 - 855S:
 - Minimum: 11mm/hr (.43"/hr);
 - Maximum: 15mm/hr (.60"/hr)
- Pilot Valve: Selectable at 50, 65, 80 and 100 psi
- Recommended Operating Pressure Range:
 - 4.5-6.9 Bar (65-100 psi)
 - Maximum: 10.3 Bar (150 psi)
 - Minimum: 2.8 Bar (40 psi)
- Electric Valve-in-Head Solenoid: 24V ac, 50/60 Hz
 - Inrush: 50 Hz, 0.17 Amps; 60 Hz, 0.12 Amps
 - Holding: 50 Hz, 0.15 Amps; 60 Hz, 0.10 Amps
- Trajectory: 24 positions from 7° - 30° in 1° increments
- Check-O-Matic maintains up to 11.2m (37') elevation

Dimensions

- Body diameter:
 - 835S: 16.5cm (6 1/2")
 - 855S: 19cm (7 1/2")
- Body height:
 - 835S: 25cm (10")
 - 855S: 29cm (11 3/8")
- Weight:
 - 835S: 1.35kg (2.98 lbs.)
 - 855S: 1.68kg (3.70 lbs.)
- Pop-up height to nozzle: 8.25cm (3 1/4")

Warranty

- Three years

Additional Features

- 835S has eight nozzle variations (30, 31, 32, 33, 34, 35, 36 and 37)
- 855S has nine nozzle variations (51, 52, 53, 54, 55, 56, 57, 58 and 59)
- Four in-line nozzles, rotating stream pattern
- Two additional nozzle positions provide maximum flexibility
- Stator variations: 835S – 3 and 855S - 3

835S Conversion Assemblies

| Models | Description |
|--------------|--------------------------------|
| • 835S-3134 | 33 Nozzle Installed |
| • 835S-3537 | 35 Nozzle Installed |
| • 835S-3134E | Effluent (33 Nozzle Installed) |
| • 835S-3537E | Effluent (35 Nozzle Installed) |

855S Conversion Assemblies—Ribbed Body

| Models | Description |
|--------------|--|
| • 855S-5154 | 53 Nozzle Installed |
| • 855S-5558 | 55 Nozzle Installed |
| • 855S-59 | Effluent (53 Nozzle Installed) |
| • 855S-5154E | Effluent (55 Nozzle Installed) |
| • 855S-5558E | Effluent |
| • 855S-59E | 690 Adapter allows you to upgrade to any 690 with 854S conversions |
| • 102-5011 | |

855S Conversion Assemblies—Ribless Body

| Models | Description |
|---------------|--------------------------------|
| • 855S-5154R | 53 Nozzle Installed |
| • 855S-5558R | 55 Nozzle Installed |
| • 855S-59R | Effluent (53 Nozzle Installed) |
| • 855S-5154RE | Effluent (55 Nozzle Installed) |
| • 855S-5558RE | Effluent |
| • 855S-59RE | |



Specifying Information—835S & 855S

| 8X5S-XX-XXXXX | | | | | | |
|--|--------------------------------------|--------------------------|--|--|----------------------|---|
| Body Inlet | Arc | Body Threads | Valve Type | Nozzle | Pressure Regulation* | Optional |
| 8X5S | X | X | X | XX | X | X |
| 3—1" 5—1 1/2" | 5—Part-circle and Full-circle in one | 0—NPT 4—ACME 5—BSP | 1—Normally Open Hydraulic 2—Check-O-Matic 6—Electric | 835S 30 31 32 33 34 35 36 37 855S 51 52 53 54 55 56 57 58 59 | 6—65 psi 8—80 psi | E—Effluent Model DL—Decoder Model N—Nickel plated Model |
| Example: When specifying an 835S Series Sprinkler with NPT threads, #34 nozzle, an electric valve and pressure regulation at 65 psi you would specify: 835S-06-346 | | | | | | |

* Electric models only. All sprinklers are equipped with the selectable pilot valve that allows settings at 50, 65, 80 and 100 psi.
Note: Not all models available. Nickel-plated, corrosion-resistant models are available upon request.



Count on it.

835S/855S Series



GOLF ROTORS

The worlds #1 selling golf sprinklers.

Developed to maximize your valuable resources: water, time and money. Flexible features allow you to quickly and economically customize your watering application to save water. Adjust the watering pattern with no disassembly or additional parts saving you time and money. Toro's 835S and 855S series sprinklers - *Flexibility redefined!*



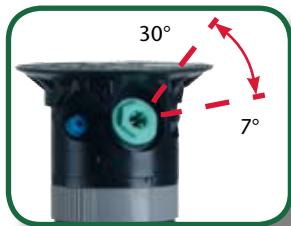
835S

855S

Features & Benefits

TRUJECTORY™ ADJUSTMENT OF THE MAIN NOZZLE – 24 POSITIONS

This patented feature puts water where you want it for maximum distribution uniformity. Adjust from the top of the sprinkler from 7-30° in 1° increments, wet or dry. This flexibility lets you tackle every obstacle on the course; wind, trees, bunkers, mounds and more.



NOZZLE FLEXIBILITY

The largest selection of precision nozzles for radius applications from 20' to 90'. From the main-less configurations for short radius applications to 90' radius requirements we've got you covered. A wide assortment of back nozzles lets you water those hard to reach areas directly behind the part circle sprinklers. All nozzles are color coded for easy flow and radius identification and threaded in from the front for ease of servicing.



SPIKE-GUARD® SOLENOID

With the industry's highest volt lightning rating (20,000 volts), the Spike Guard solenoid has virtually eliminated the need for solenoid replacements in high lightning environments. And with half the amperage draw of traditional solenoids you can run twice as many sprinklers simultaneously, reduce the cost of wire during initial installation or increase the distance from controller to sprinkler.



ARC ADJUSTMENT AND TRUE FULL-CIRCLE IN ONE

One sprinkler for every location on the course. These unique sprinklers can be a full circle today and part circle tomorrow allowing you to simply and economically adjust the area of coverage to match your seasonal needs or meet water rationing mandates in seconds with no disassembly or additional parts required.



RATCHETING RISER ALLOWS ADJUSTMENT WITH NO DISASSEMBLY









Another Toro exclusive. Simply pull up the riser and ratchet it to the precise position you want to water. With one sprinkler you can water only the greens today then only the surrounds tomorrow or only the fairways today then only the roughs tomorrow. Adjusted in seconds with no disassembly or additional parts required.













835S/855S Series










835S Series Performance Chart—Metric

| Base Pressure | | | Nozzle Set 30  (White) | | Nozzle Set 31  (Yellow) | | Nozzle Set 32  (Blue) | | Nozzle Set 33  (Brown) | | Nozzle Set 34  (Orange) | | Nozzle Set 35  (Green) | | Nozzle Set 36  (Gray) | | Nozzle Set 37  (Black) | |
|---------------|-----|--------------------|---|----------|--|----------|--|----------|---|----------|---|----------|---|----------|--|----------|---|----------|
| | | | 102-2208 | | 102-0725 | | 102-7001 | | 102-0727 | | 102-7002 | | 102-6908 | | 102-0730 | | 102-4261 | |
| | | | Blue | Gray | Blue | Gray | Red | Gray | Orange | Gray | Orange | Gray | Blue | Gray | Blue | Gray | Orange | Gray |
| | | | 102-2925 | 102-2910 | 102-2925 | 102-2910 | 102-2928 | 102-2910 | 102-2926 | 102-2910 | 102-2926 | 102-2910 | 102-2925 | 102-2910 | 102-2925 | 102-2910 | 102-2926 | 102-2910 |
| Bar | kPa | kg/cm ² | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM |
| 3,4 | 340 | 3,47 | 12,8 | 26,9 | 15,9 | 51,9 | 18,6 | 64,7 | 19,5 | 76,5 | 21,0 | 103,7 | — | — | — | — | — | — |
| 4,5 | 450 | 4,59 | 13,7 | 32,9 | 16,5 | 58,7 | 19,2 | 77,6 | 20,1 | 86,7 | 22,6 | 113,6 | 23,2 | 122,6 | — | — | — | — |
| 5,5 | 550 | 5,61 | 14,0 | 36,3 | 17,4 | 64,3 | 20,4 | 85,5 | 21,4 | 95,8 | 23,5 | 125,7 | 24,1 | 135,5 | 25,6 | 141,9 | 26,2 | 154,4 |
| 6,9 | 690 | 7,04 | 14,6 | 42,4 | 18,0 | 71,5 | 22,0 | 95,4 | 22,6 | 106,7 | 24,4 | 140,0 | 25,6 | 151,0 | 26,8 | 160,9 | 28,1 | 171,5 |
| Stator | | | 102-6929 Blue | | | | 102-1939 Yellow | | | | | | 102-1940 White | | | | | |
| Conversions | | | | | | | 835S-3134 | | | | | | 835S-3537 | | | | | |










835S Series Performance Chart—U.S.

| Base Pressure | | | Nozzle Set 30  (White) | | Nozzle Set 31  (Yellow) | | Nozzle Set 32  (Blue) | | Nozzle Set 33  (Brown) | | Nozzle Set 34  (Orange) | | Nozzle Set 35  (Green) | | Nozzle Set 36  (Gray) | | Nozzle Set 37  (Black) | |
|---------------|--------|------|---|----------|--|----------|--|----------|---|----------|---|----------|---|----------|--|----------|---|----------|
| | | | 102-2208 | | 102-0725 | | 102-7001 | | 102-0727 | | 102-7002 | | 102-6908 | | 102-0730 | | 102-4261 | |
| | | | Blue | Gray | Blue | Gray | Red | Gray | Orange | Gray | Orange | Gray | Blue | Gray | Blue | Gray | Orange | Gray |
| | | | 102-2925 | 102-2910 | 102-2925 | 102-2910 | 102-2928 | 102-2910 | 102-2926 | 102-2910 | 102-2926 | 102-2910 | 102-2925 | 102-2910 | 102-2925 | 102-2910 | 102-2926 | 102-2910 |
| psi | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM |
| 50 | 42 | 7.1 | 52 | 13.7 | 61 | 17.1 | 64 | 20.2 | 69 | 27.4 | — | — | — | — | — | — | — | — |
| 65 | 45 | 8.7 | 54 | 15.5 | 63 | 20.5 | 66 | 22.9 | 74 | 30.0 | 76 | 32.4 | 80 | 34.0 | — | — | — | — |
| 80 | 46 | 9.6 | 57 | 17.0 | 67 | 22.6 | 70 | 25.3 | 77 | 33.2 | 79 | 35.8 | 84 | 37.5 | 86 | 40.8 | — | — |
| 100 | 48 | 11.2 | 59 | 18.9 | 72 | 25.2 | 74 | 28.2 | 80 | 37.0 | 84 | 39.9 | 88 | 42.5 | 92 | 45.3 | — | — |
| Stator | | | 102-6929 Blue | | | | 102-1939 Yellow | | | | | | 102-1940 White | | | | | |
| Conversions | | | | | | | 835S-3134 | | | | | | 835S-3537 | | | | | |

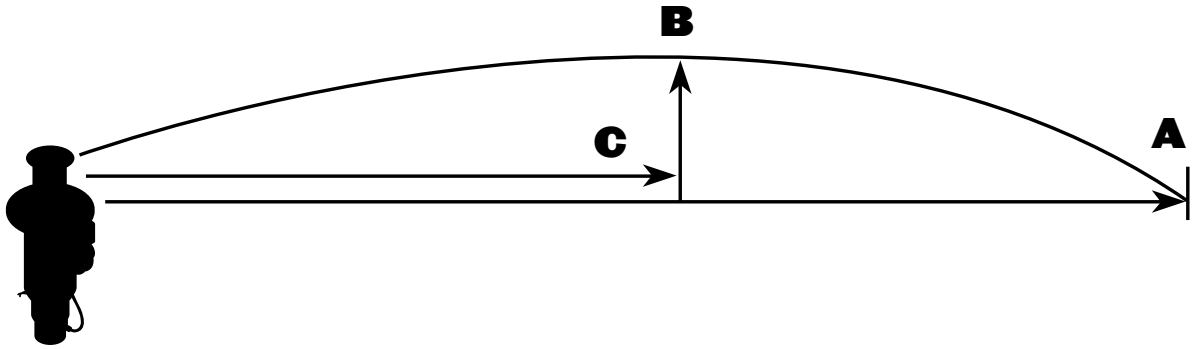
855S Series Performance Chart—Metric

| Base Pressure | | | Nozzle Set 51  (Yellow) | | Nozzle Set 52  (Blue) | | Nozzle Set 53  (Brown) | | Nozzle Set 54  (Orange) | | Nozzle Set 55  (Green) | | Nozzle Set 56  (Gray) | | Nozzle Set 57  (Black) | | Nozzle Set 58  (Red) | | Nozzle Set 59  (Beige) | |
|---------------|-----|--------------------|--|----------|--|----------|---|----------|--|----------|--|----------|--|----------|---|----------|---|----------|---|----------|
| | | | 102-4587 | | 102-4588 | | 102-4589 | | 102-0728 | | 102-0729 | | 102-0730 | | 102-4261 | | 102-4260 | | 102-4259 | |
| | | | Blue | Gray | Red | Gray | Orange | Gray | Orange | Gray | Blue | Gray | Blue | Gray | Orange | Gray | Blue | Gray | Blue | Gray |
| | | | 102-2925 | 102-2910 | 102-2928 | 102-2910 | 102-2926 | 102-2910 | 102-2926 | 102-2910 | 102-2925 | 102-2910 | 102-2925 | 102-2910 | 102-2926 | 102-2910 | 102-2925 | 102-2910 | 102-2925 | 102-2910 |
| Bar | kPa | kg/cm ² | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM |
| 3,4 | 340 | 3,47 | 15,9 | 52,6 | 18,9 | 65,9 | 20,1 | 78,3 | 21,0 | 108,3 | — | — | — | — | — | — | — | — | — | — |
| 4,5 | 450 | 4,59 | 16,5 | 59,4 | 19,5 | 78,3 | 20,7 | 88,6 | 22,6 | 113,1 | 23,2 | 127,9 | — | — | — | — | — | — | — | — |
| 5,5 | 550 | 5,61 | 17,4 | 65,1 | 20,7 | 86,7 | 22,0 | 97,7 | 23,5 | 130,2 | 24,1 | 140,8 | 25,9 | 149,1 | 27,1 | 165,0 | 28,1 | 179,8 | 29,3 | 215,7 |
| 6,9 | 690 | 7,04 | 18,0 | 72,3 | 22,3 | 96,5 | 23,2 | 108,6 | 24,4 | 144,6 | 25,6 | 156,3 | 27,1 | 165,4 | 28,7 | 183,6 | 29,0 | 194,9 | 30,5 | 231,3 |
| Stator | | | 102-1939 Yellow | | | | 102-1940 White | | | | | | 102-1941 | | | | | | | |
| Conversions | | | | | | | 855S-5154 | | | | | | 855S-5558 | | 855S-59 | | | | | |

855S Series Performance Chart—U.S.

| Base Pressure | | | Nozzle Set 51  (Yellow) | | Nozzle Set 52  (Blue) | | Nozzle Set 53  (Brown) | | Nozzle Set 54  (Orange) | | Nozzle Set 55  (Green) | | Nozzle Set 56  (Gray) | | Nozzle Set 57  (Black) | | Nozzle Set 58  (Red) | | Nozzle Set 59  (Beige) | |
|---------------|--------|------|--|----------|--|----------|---|----------|--|----------|--|----------|--|----------|---|----------|---|----------|---|----------|
| | | | 102-4587 | | 102-4588 | | 102-4589 | | 102-0728 | | 102-0729 | | 102-0730 | | 102-4261 | | 102-4260 | | 102-4259 | |
| | | | Blue | Gray | Red | Gray | Orange | Gray | Orange | Gray | Blue | Gray | Blue | Gray | Orange | Gray | Blue | Gray | Blue | Gray |
| | | | 102-2925 | 102-2910 | 102-2928 | 102-2910 | 102-2926 | 102-2910 | 102-2926 | 102-2910 | 102-2925 | 102-2910 | 102-2925 | 102-2910 | 102-2926 | 102-2910 | 102-2925 | 102-2910 | 102-2925 | 102-2910 |
| psi | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM |
| 50 | 52 | 13.9 | 62 | 17.4 | 66 | 20.7 | 69 | 28.6 | — | — | — | — | — | — | — | — | — | — | — | — |
| 65 | 54 | 15.7 | 64 | 20.8 | 68 | 23.4 | 74 | 31.2 | 76 | 33.8 | 81 | 35.7 | — | — | — | — | — | — | — | — |
| 80 | 57 | 17.2 | 68 | 22.9 | 72 | 25.8 | 77 | 34.4 | 79 | 37.2 | 85 | 39.4 | 89 | 43.6 | 92 | 47.5 | 96 | 57.0 | — | — |
| 100 | 59 | 19.1 | 73 | 25.5 | 76 | 28.7 | 80 | 38.2 | 84 | 41.3 | 89 | 43.7 | 94 | 48.5 | 95 | 51.1 | 100 | 61.1 | — | — |
| Stator | | | 102-1939 Yellow | | | | 102-1940 White | | | | | | 102-1941 | | | | | | | |
| Conver. | | | | | | | 855S-5154 | | | | | | 855S-5558 | | 855S-59 | | | | | |

■ Not recommended at these pressures. Radius shown in feet. Toro recommends the use of a 1 1/4" (30mm) swing joint at flows over 25-GPM (95-LPM). Sprinkler radius of throw per ASAE standard S398.1. Actual site conditions must be considered when selecting the appropriate nozzle. All sprinklers are equipped with the selectable pilot valve that allows settings at 50, 65, 80 and 100 psi.



835S Trajectory Performance - Metric

| Nozzle/PSI/GPM | #31 Nozzle @4,5 bar, 58,7 lpm | | | | | | #32 Nozzle @ 4,5 bar, 77,6 lpm | | | | | | #33 Nozzle @ 4,5 bar, 86.7 lpm | | | | | |
|----------------------------|-------------------------------|------|------|------|------|------|--------------------------------|------|------|------|------|------|--------------------------------|------|------|------|------|------|
| Trajectory | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° |
| "A" Radius (m) | 14.0 | 14.0 | 15.3 | 16.2 | 16.5 | 15.3 | 14.0 | 14.9 | 15.6 | 16.8 | 19.2 | 16.5 | 16.5 | 17.1 | 18.0 | 18.9 | 20.1 | 18.6 |
| "B" Spray Height (m) | 1.2 | 1.2 | 1.5 | 2.4 | 3.4 | 4.0 | 0.9 | 1.2 | 1.8 | 2.7 | 3.7 | 4.6 | 1.2 | 1.5 | 2.1 | 2.7 | 4.0 | 4.6 |
| "C" Distance from Head (m) | 7.6 | 7.6 | 7.9 | 10.1 | 10.1 | 10.1 | 6.1 | 7.3 | 8.5 | 10.4 | 10.4 | 10.4 | 7.0 | 8.5 | 9.8 | 10.4 | 10.7 | 10.7 |

| Nozzle/PSI/GPM | #34 Nozzle @ 4,5 bar, 113.6 lpm | | | | | | #35 Nozzle @ 4,5 bar, 122.6 lpm | | | | | | #36 Nozzle @ 5,5 bar, 128.7 lpm | | | | | |
|----------------------------|---------------------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|
| Trajectory | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° |
| "A" Radius (m) | 17.7 | 18.3 | 19.2 | 20.4 | 22.6 | 21.4 | 18.0 | 18.6 | 19.5 | 21.4 | 23.2 | 22.6 | 19.5 | 20.7 | 23.2 | 24.4 | 25.6 | 25.0 |
| "B" Spray Height (m) | 1.2 | 1.2 | 1.8 | 3.4 | 4.3 | 5.2 | 1.2 | 1.5 | 2.1 | 3.4 | 4.6 | 5.2 | 1.5 | 2.1 | 2.7 | 4.3 | 5.2 | 6.7 |
| "C" Distance from Head (m) | 7.3 | 7.9 | 10.7 | 11.9 | 11.9 | 11.9 | 9.2 | 9.8 | 11.0 | 13.1 | 13.1 | 13.1 | 7.6 | 11.6 | 12.2 | 13.7 | 14.9 | 13.7 |

| Nozzle/PSI/GPM | #37 Nozzle @ 5,5 bar, 150.6 lpm | | | | | |
|----------------------------|---------------------------------|------|------|------|------|------|
| Trajectory | 7° | 10° | 15° | 20° | 25° | 30° |
| "A" Radius (m) | 19.8 | 21.0 | 23.8 | 25.0 | 26.2 | 25.6 |
| "B" Spray Height (m) | 1.5 | 2.1 | 2.7 | 4.3 | 5.5 | 6.7 |
| "C" Distance from Head (m) | 9.2 | 11.9 | 12.5 | 14.0 | 15.3 | 14.0 |

835S Trajectory Performance - U.S.

| Nozzle/PSI/GPM | #31 Nozzle @ 65 psi, 15.5 GPM | | | | | | #32 Nozzle @ 65 psi, 20.5 GPM | | | | | | #33 Nozzle @ 65 psi, 22.9 GPM | | | | | |
|------------------------|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|
| Trajectory | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° |
| "A" Radius | 46' | 46' | 50' | 53' | 54' | 50' | 46' | 49' | 51' | 55' | 63' | 54' | 54' | 56' | 59' | 62' | 66' | 61' |
| "B" Spray Height | 4' | 4' | 5' | 8' | 11' | 13' | 3' | 4' | 6' | 9' | 12' | 15' | 4' | 5' | 7' | 9' | 13' | 15' |
| "C" Distance from Head | 25' | 25' | 26' | 33' | 33' | 33' | 20' | 24' | 28' | 34' | 34' | 34' | 23' | 28' | 32' | 34' | 35' | 35' |

| Nozzle/PSI/GPM | #34 Nozzle @ 65 psi, 30.0 GPM | | | | | | #35 Nozzle @ 65 psi, 32.4 GPM | | | | | | #36 Nozzle @ 80 psi, 34.0 GPM | | | | | |
|------------------------|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|
| Trajectory | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° |
| "A" Radius | 58' | 60' | 63' | 67' | 74' | 70' | 59' | 61' | 64' | 70' | 76' | 74' | 64' | 68' | 76' | 80' | 84' | 82' |
| "B" Spray Height | 4' | 4' | 6' | 11' | 14' | 17' | 4' | 5' | 7' | 11' | 15' | 17' | 5' | 7' | 9' | 14' | 17' | 22' |
| "C" Distance from Head | 24' | 26' | 35' | 39' | 39' | 39' | 30' | 32' | 36' | 43' | 43' | 43' | 25' | 38' | 40' | 45' | 49' | 45' |

| Nozzle/PSI/GPM | #37 Nozzle @ 80 psi, 39.8 GPM | | | | | |
|------------------------|-------------------------------|-----|-----|-----|-----|-----|
| Trajectory | 7° | 10° | 15° | 20° | 25° | 30° |
| "A" Radius | 65' | 69' | 78' | 82' | 86' | 84' |
| "B" Spray Height | 5' | 7' | 9' | 14' | 18' | 22' |
| "C" Distance from Head | 30' | 39' | 41' | 46' | 50' | 46' |

Information is for reference only. Actual results may vary.

855S Trajectory Performance - Metric

| Nozzle/PSI/GPM | #51 Nozzle @4,5 bar, 59.4 lpm | | | | | | #52 Nozzle @4,5 bar, 78.7 lpm | | | | | | #53 Nozzle @4,5 bar, 88.6 lpm | | | | | |
|----------------------------|-------------------------------|------|------|------|------|------|-------------------------------|------|------|------|------|------|-------------------------------|------|------|------|------|------|
| Trajectory | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° |
| "A" Radius (m) | 14.0 | 14.0 | 15.6 | 16.2 | 16.5 | 15.3 | 14.9 | 15.3 | 15.6 | 16.8 | 19.5 | 19.8 | 16.5 | 17.1 | 18.0 | 18.9 | 20.7 | 18.6 |
| "B" Spray Height (m) | 1.2 | 1.2 | 1.8 | 3.1 | 4.0 | 4.6 | 1.2 | 1.2 | 1.8 | 2.7 | 3.4 | 4.0 | 1.5 | 1.8 | 2.1 | 2.7 | 4.0 | 4.6 |
| "C" Distance from Head (m) | 7.9 | 8.2 | 9.8 | 11.6 | 12.2 | 12.5 | 6.7 | 7.9 | 9.5 | 10.7 | 10.4 | 9.2 | 9.2 | 10.1 | 9.8 | 10.7 | 11.3 | 11.3 |

| Nozzle/PSI/GPM | #54 Nozzle @ 4,5 bar, 118.1 lpm | | | | | | #55 Nozzle @ 4,5 bar, 127.9 lpm | | | | | | #56 Nozzle @ 5,5 bar, 135.1 lpm | | | | | |
|----------------------------|---------------------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|
| Trajectory | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° |
| "A" Radius (m) | 17.7 | 18.3 | 19.2 | 20.4 | 22.6 | 21.4 | 18.0 | 18.9 | 20.1 | 21.4 | 23.2 | 23.5 | 22.0 | 22.3 | 22.9 | 25.0 | 25.9 | 25.0 |
| "B" Spray Height (m) | 1.5 | 1.8 | 2.4 | 3.1 | 4.6 | 5.2 | 1.8 | 1.8 | 2.7 | 3.4 | 4.6 | 5.2 | 1.5 | 2.1 | 2.7 | 4.3 | 5.2 | 6.7 |
| "C" Distance from Head (m) | 9.5 | 10.4 | 12.2 | 12.5 | 12.5 | 12.8 | 10.4 | 11.0 | 13.1 | 13.7 | 13.7 | 13.7 | 7.6 | 11.6 | 12.2 | 13.7 | 14.9 | 13.7 |

| Nozzle/PSI/GPM | #57 Nozzle @ 5,5 bar, 158.6 lpm | | | | | | #58 Nozzle @ 5,5 bar, 174.9 lpm | | | | | | #59 Nozzle @ 5,5 bar, 201.7 lpm | | | | | |
|----------------------------|---------------------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|
| Trajectory | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° |
| "A" Radius (m) | 22.0 | 22.6 | 23.5 | 25.3 | 27.1 | 25.9 | 22.9 | 23.5 | 25.3 | 26.5 | 28.1 | 26.8 | 23.5 | 23.8 | 25.6 | 27.1 | 29.3 | 28.1 |
| "B" Spray Height (m) | 1.5 | 2.1 | 2.7 | 4.3 | 5.5 | 6.7 | 1.8 | 2.1 | 3.1 | 4.6 | 5.5 | 6.7 | 2.1 | 2.4 | 3.4 | 4.9 | 6.4 | 7.6 |
| "C" Distance from Head (m) | 9.2 | 11.9 | 12.5 | 14.0 | 15.3 | 14.0 | 11.6 | 12.2 | 13.1 | 14.3 | 15.9 | 14.6 | 12.8 | 13.4 | 13.7 | 14.3 | 16.2 | 14.9 |

855S Trajectory Performance - U.S.

| Nozzle/PSI/GPM | #51 Nozzle @65 psi, 15.7 GPM | | | | | | #52 Nozzle @65 psi, 20.8 GPM | | | | | | #53 Nozzle @65 psi, 23.4 GPM | | | | | |
|------------------------|------------------------------|-----|-----|-----|-----|-----|------------------------------|-----|-----|-----|-----|-----|------------------------------|-----|-----|-----|-----|-----|
| Trajectory | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° |
| "A" Radius | 46' | 46' | 51' | 53' | 54' | 50' | 49' | 50' | 51' | 55' | 64' | 65' | 54' | 56' | 59' | 62' | 68' | 61' |
| "B" Spray Height | 4' | 4' | 6' | 10' | 13' | 15' | 4' | 4' | 6' | 9' | 11' | 13' | 5' | 6' | 7' | 9' | 13' | 15' |
| "C" Distance from Head | 26' | 27' | 32' | 38' | 40' | 41' | 22' | 26' | 31' | 35' | 34' | 30' | 30' | 33' | 32' | 35' | 37' | 37' |

| Nozzle/PSI/GPM | #54 Nozzle @ 65 psi, 31.2 GPM | | | | | | #55 Nozzle @ 65 psi, 33.8 GPM | | | | | | #56 Nozzle @ 80 psi, 35.7 GPM | | | | | |
|------------------------|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|
| Trajectory | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° |
| "A" Radius | 58' | 60' | 63' | 67' | 74' | 70' | 59' | 62' | 66' | 70' | 76' | 77' | 72' | 73' | 75' | 82' | 85' | 82' |
| "B" Spray Height | 5' | 6' | 8' | 10' | 15' | 17' | 6' | 6' | 9' | 11' | 15' | 17' | 5' | 7' | 9' | 14' | 17' | 22' |
| "C" Distance from Head | 31' | 34' | 40' | 41' | 41' | 42' | 34' | 36' | 43' | 45' | 45' | 45' | 25' | 38' | 40' | 45' | 49' | 45' |

| Nozzle/PSI/GPM | #57 Nozzle @ 80 psi, 41.9 GPM | | | | | | #58 Nozzle @ 80 psi, 46.2 GPM | | | | | | #59 Nozzle @ 80 psi, 53.3 GPM | | | | | |
|------------------------|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|
| Trajectory | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° | 7° | 10° | 15° | 20° | 25° | 30° |
| "A" Radius | 72' | 74' | 77' | 83' | 89' | 85' | 75' | 77' | 83' | 87' | 92' | 88' | 77' | 78' | 84' | 89' | 96' | 92' |
| "B" Spray Height | 5' | 7' | 9' | 14' | 18' | 22' | 6' | 7' | 10' | 15' | 18' | 22' | 7' | 8' | 11' | 16' | 21' | 25' |
| "C" Distance from Head | 30' | 39' | 41' | 46' | 50' | 46' | 38' | 40' | 43' | 47' | 52' | 48' | 42' | 44' | 45' | 47' | 53' | 49' |

Information is for reference only. Actual results may vary.