

BOOMLESS FLAT FAN NOZZLES - XT-BOOM X TENDER



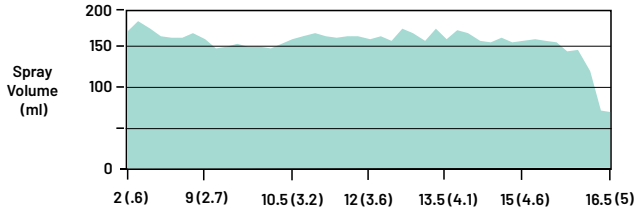
The XT introduces boomless spray technology, enabling spray to be targeted into places that conventional booms and other nozzles cannot reach. XT delivers a uniform spray pattern over a distance of up to 16 feet (4.9 m). Ideal for weed control in forests and pastureland.

- ◆ Ideal for applications where a conventional boom cannot be used due to obstacles
- ◆ Common uses include orchard, vineyard, forestry, pasture, turf and golf course spraying, as well as maintaining rights-of-way and fence rows
- ◆ Excellent low-drift option while extending spray reach
- ◆ Large droplet size reduces spray drift and promotes spray penetration
- ◆ Maintains a consistent spray swath over a pressure range of 30-60 psi (2-5 bar)
- ◆ Standard models with precision-molded polyacetal nozzle and threaded stainless steel body provide excellent durability and low maintenance

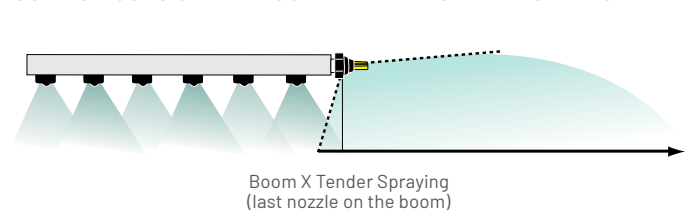
US UNITS

| Nozzle Size (MNPT) | Pressure (PSI) | Flow Rate (GPM) | Gallons per Acre at swath shown | | | | | | | | GAL/1000ft ² | | | | Swath (Ft) at 40 PSI 48 in high |
|--------------------|----------------|-----------------|---------------------------------|------|------|------|------|------|------|------|-------------------------|------|------|------|---------------------------------|
| | | | MPH | | | | | | | | 2 | 3 | 4 | 5 | |
| 10 (1/4") | 30 | 0.9 | 8.9 | 7.1 | 5.9 | 4.5 | 3.6 | 3.0 | 2.4 | 1.8 | 0.41 | 0.27 | 0.20 | 0.16 | 13 |
| | 40 | 1.0 | 9.9 | 7.9 | 6.6 | 5.0 | 4.0 | 3.3 | 2.6 | 2.0 | 0.45 | 0.30 | 0.23 | 0.18 | |
| | 50 | 1.1 | 10.9 | 8.7 | 7.3 | 5.4 | 4.4 | 3.6 | 2.9 | 2.2 | 0.50 | 0.33 | 0.25 | 0.20 | |
| | 60 | 1.2 | 11.9 | 9.5 | 7.9 | 5.9 | 4.8 | 4.0 | 3.2 | 2.4 | 0.55 | 0.36 | 0.27 | 0.22 | |
| 20 (1/4") | 30 | 1.7 | 13.6 | 10.9 | 9.0 | 6.8 | 5.4 | 4.5 | 3.6 | 2.7 | 0.62 | 0.42 | 0.31 | 0.25 | 15 |
| | 40 | 2.0 | 16.0 | 12.8 | 10.6 | 8.0 | 6.4 | 5.3 | 4.3 | 3.2 | 0.73 | 0.49 | 0.37 | 0.29 | |
| | 50 | 2.2 | 17.6 | 14.1 | 11.7 | 8.8 | 7.0 | 5.9 | 4.7 | 3.5 | 0.81 | 0.54 | 0.40 | 0.32 | |
| | 60 | 2.4 | 19.2 | 15.3 | 12.8 | 9.6 | 7.7 | 6.4 | 5.1 | 3.8 | 0.88 | 0.59 | 0.44 | 0.35 | |
| 24 (1/4") | 30 | 2.1 | 16.2 | 13.0 | 10.8 | 8.1 | 6.5 | 5.4 | 4.3 | 3.2 | 0.75 | 0.50 | 0.37 | 0.30 | 16 |
| | 40 | 2.4 | 18.6 | 14.9 | 12.4 | 9.3 | 7.4 | 6.2 | 5.0 | 3.7 | 0.85 | 0.57 | 0.43 | 0.34 | |
| | 50 | 2.7 | 20.9 | 16.7 | 13.9 | 10.4 | 8.4 | 7.0 | 5.6 | 4.2 | 0.96 | 0.64 | 0.48 | 0.38 | |
| | 60 | 2.9 | 22.4 | 17.9 | 15.0 | 11.2 | 9.0 | 7.5 | 6.0 | 4.5 | 1.03 | 0.69 | 0.51 | 0.41 | |
| 43 (3/8") | 30 | 3.7 | 31.6 | 25.3 | 21.1 | 15.8 | 12.6 | 10.5 | 8.4 | 6.3 | 1.45 | 0.97 | 0.72 | 0.58 | 14 |
| | 40 | 4.3 | 36.7 | 29.4 | 24.5 | 18.3 | 14.7 | 12.2 | 9.8 | 7.3 | 1.68 | 1.12 | 0.84 | 0.67 | |
| | 50 | 4.8 | 41.0 | 32.8 | 27.3 | 20.5 | 16.4 | 13.7 | 10.9 | 8.2 | 1.88 | 1.25 | 0.94 | 0.75 | |
| | 60 | 5.3 | 45.2 | 36.2 | 30.2 | 22.6 | 18.1 | 15.1 | 12.1 | 9.0 | 2.08 | 1.38 | 1.04 | 0.83 | |
| 80 (1/2") | 30 | 6.9 | 68.3 | 54.6 | 45.5 | 34.2 | 27.3 | 22.8 | 18.2 | 13.7 | 3.14 | 2.09 | 1.57 | 1.25 | 13 |
| | 40 | 8.0 | 79.2 | 63.4 | 52.8 | 39.6 | 31.7 | 26.4 | 21.1 | 15.8 | 3.64 | 2.42 | 1.82 | 1.45 | |
| | 50 | 8.9 | 88.1 | 70.5 | 58.7 | 44.1 | 35.2 | 29.4 | 23.5 | 17.6 | 4.04 | 2.70 | 2.02 | 1.62 | |
| | 60 | 9.8 | 97.0 | 77.6 | 64.7 | 48.5 | 38.8 | 32.3 | 25.9 | 19.4 | 4.45 | 2.97 | 2.23 | 1.78 | |
| 167 (3/4") | 30 | 14.5 | 128 | 103 | 85.4 | 64.1 | 51.3 | 42.7 | 34.2 | 25.6 | 5.88 | 3.92 | 2.94 | 2.35 | 15 |
| | 40 | 16.7 | 148 | 118 | 98.4 | 73.8 | 59.0 | 49.2 | 39.4 | 29.5 | 6.78 | 4.52 | 3.39 | 2.71 | |
| | 50 | 18.7 | 165 | 132 | 110 | 82.6 | 66.1 | 55.1 | 44.1 | 33.1 | 7.59 | 5.06 | 3.79 | 3.03 | |
| | 60 | 20.5 | 181 | 145 | 121 | 90.6 | 72.5 | 60.4 | 48.3 | 36.2 | 8.32 | 5.54 | 4.16 | 3.33 | |
| 215 (3/4") | 30 | 18.6 | 144 | 115 | 95.9 | 71.9 | 57.5 | 48.0 | 38.4 | 28.8 | 6.60 | 4.40 | 3.30 | 2.64 | 16 |
| | 40 | 21.5 | 166 | 133 | 111 | 83.1 | 66.5 | 55.4 | 44.3 | 33.3 | 7.63 | 5.09 | 3.82 | 3.05 | |
| | 50 | 24.0 | 186 | 149 | 124 | 92.8 | 74.3 | 61.9 | 49.5 | 37.1 | 8.52 | 5.68 | 4.26 | 3.41 | |
| | 60 | 26.3 | 203 | 163 | 136 | 102 | 81.4 | 67.8 | 54.2 | 40.7 | 9.34 | 6.22 | 4.67 | 3.73 | |

TYPICAL SPRAY PATTERN PRODUCED BY XT SERIES

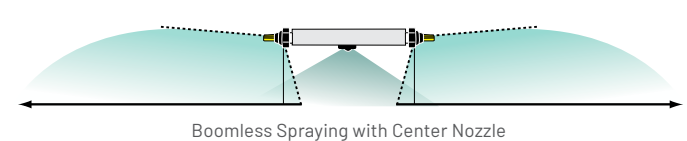
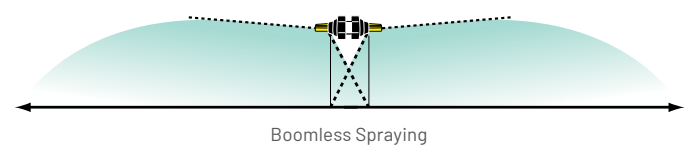
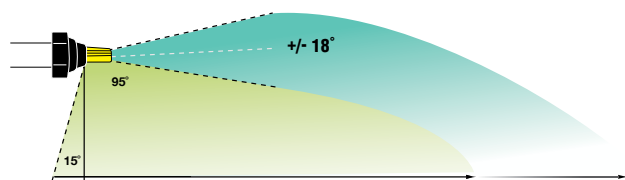


COMMON USES OF THE BOOM X TENDER SPRAY NOZZLES



ADJUSTABLE SWATH WIDTH

Swath width can be increased or decreased by adjusting the angle of the nozzle +/- 18°.



BOOMLESS FLAT FAN NOZZLES - XT-BOOM X TENDER



Boom X Tender nozzles are ideal for boomless spraying or as the last nozzle on a boom.



Hypro's Boom X Tender nozzles provide excellent coverage throughout the swath width for superior results.



Gasket, insert and o-ring kits available to rebuild MNPT versions.

METRIC UNITS

| Nozzle Size (MNPT) | Pressure (BAR) | Flow Rate (LPM) | Application Rate L/Ha - at swath shown | | | | | | | | | | | Swath Width (M) @ 2.76 BAR 1.22 meters high |
|--------------------|----------------|-----------------|--|------|------|------|------|------|------|-----|-----|-----|-----|--|
| | | | KM/H | | | | | | | | | | | |
| | | | 4 | 5 | 6 | 7 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | |
| 10 (1/4 inch) | 2 | 3.2 | 124 | 99 | 83 | 71 | 62 | 50 | 41 | 35 | 31 | 28 | 25 | 3.9 |
| | 3 | 3.9 | 152 | 121 | 101 | 87 | 76 | 61 | 51 | 43 | 38 | 34 | 30 | |
| | 4 | 4.6 | 175 | 140 | 117 | 100 | 88 | 70 | 58 | 50 | 44 | 39 | 35 | |
| 20 (1/4 inch) | 2 | 6.4 | 201 | 161 | 134 | 115 | 101 | 81 | 67 | 58 | 50 | 45 | 40 | 4.8 |
| | 3 | 7.9 | 247 | 197 | 165 | 141 | 123 | 99 | 82 | 71 | 62 | 55 | 49 | |
| | 4 | 9.1 | 285 | 228 | 190 | 163 | 142 | 114 | 95 | 81 | 71 | 63 | 57 | |
| 24 (1/4 inch) | 2 | 7.7 | 237 | 189 | 158 | 135 | 118 | 95 | 79 | 68 | 59 | 53 | 47 | 4.9 |
| | 3 | 9.5 | 290 | 232 | 193 | 166 | 145 | 116 | 97 | 83 | 73 | 64 | 58 | |
| | 4 | 10.9 | 335 | 268 | 223 | 191 | 167 | 134 | 112 | 96 | 84 | 74 | 67 | |
| 43 (3/8 inch) | 2 | 13.9 | 473 | 378 | 315 | 270 | 236 | 189 | 158 | 135 | 118 | 105 | 95 | 4.4 |
| | 3 | 17 | 579 | 463 | 386 | 331 | 289 | 232 | 193 | 165 | 145 | 129 | 116 | |
| | 4 | 19.6 | 668 | 535 | 446 | 382 | 334 | 267 | 223 | 191 | 167 | 149 | 134 | |
| 80 (1/2 inch) | 2 | 25.8 | 992 | 793 | 661 | 567 | 496 | 397 | 331 | 283 | 248 | 220 | 198 | 3.9 |
| | 3 | 31.6 | 1215 | 972 | 810 | 694 | 607 | 486 | 405 | 347 | 304 | 270 | 243 | |
| | 4 | 36.5 | 1403 | 1122 | 935 | 802 | 701 | 561 | 468 | 401 | 351 | 312 | 281 | |
| 167 (3/4 inch) | 2 | 53.8 | 1878 | 1502 | 1252 | 1073 | 939 | 751 | 626 | 537 | 469 | 417 | 376 | 4.3 |
| | 3 | 65.9 | 2300 | 1840 | 1533 | 1314 | 1150 | 920 | 767 | 657 | 575 | 511 | 460 | |
| | 4 | 76.1 | 2656 | 2125 | 1771 | 1518 | 1328 | 1062 | 885 | 759 | 664 | 590 | 531 | |
| 215 (3/4 inch) | 2 | 69.3 | 2122 | 1697 | 1414 | 1212 | 1061 | 849 | 707 | 606 | 530 | 471 | 424 | 4.9 |
| | 3 | 84.9 | 2598 | 2079 | 1732 | 1485 | 1299 | 1039 | 866 | 742 | 650 | 577 | 520 | |
| | 4 | 98 | 3000 | 2400 | 2000 | 1715 | 1500 | 1200 | 1000 | 857 | 750 | 667 | 600 | |

Swath widths and application rates in charts are based on height of 48 inches (1.2 metres), a different height will give different swath widths

| Features | |
|----------------|-------------------------|
| Common Use | Weeds |
| Pattern | Boomless Fan |
| Technology | Pre-Orifice |
| Material | Stainless or Polyacetal |
| Spray Angle | 105° |
| Pressure Range | 30-60 PSI (2-5 BAR) |
| Configuration | MNPT & FastCap |

| Part Numbers | | |
|--------------|---------------|-----------------------------|
| FastCaps | MNPT (Thread) | Parts Kits for MNPT version |
| FC-XT010 | XT010 (1/4") | XT010-GIOKIT |
| FC-XT020 | XT020 (1/4") | XT020-GIOKIT |
| FC-XT024 | XT024 (1/4") | XT024-GIOKIT |
| FC-XT043 | XT043 (3/8") | XT043-GIOKIT |
| - | XT080 (1/2") | XT080-GIOKIT |
| - | XT167 (3/4") | XT167-GIOKIT |
| - | XT215 (3/4") | XT215-GIOKIT |

| Replacement FastCap Seal |
|--------------------------|
| 10BG-2270-0150 |



| Model | Description |
|-----------|--|
| 9950-0033 | Boom X Tender Tee/Swivel Kit for use with 1/4" NPT or Fastcap XT Nozzles |

$$\text{GPM} = \frac{\text{GPA} \times \text{MPH} \times \text{swath width (in)}}{5,940}$$

$$\text{GPM} = \frac{\text{GPA} \times 5,940}{\text{MPH} \times \text{swath width (in)}}$$

$$\text{LPM} = \frac{\text{L/ha} \times \text{Kmph} \times \text{swath width (m)}}{600}$$

$$\text{L/ha} = \frac{\text{LPM} \times 600}{\text{Kmph} \times \text{swath width (m)}}$$