



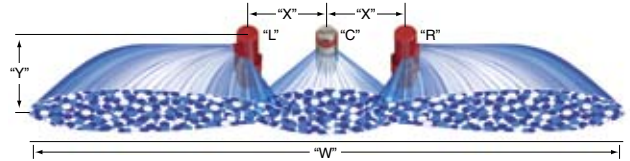
XP BoomJet® Boomless Flat Spray Nozzles

Typical Applications:

- Boomless field spray applications.
- Roadside and right-of-way applications.
- End row spraying.
- Orchard spraying.
- De-icing applications.
- Forestry.

Features:

- Unique orifice geometry produces a wide spray pattern while maintaining superior distribution across entire width.
- Pre-orifice design minimizes drift.
- Extra wide spray pattern—up to 18.5 feet (5.5 meters)—using a single nozzle.
- Removable polymer pre-orifice.
- Acetal or stainless steel construction for excellent chemical resistance.
- Recommended spray pressure range: 20–60 PSI (1.5–4 bar).



| CENTER NOZZLE "C" | PSI | DROP SIZE | CAPACITY THREE NOZZLES IN GPM | SPRAY WIDTH "W" (FEET) | | NOZZLE SPACING "X" = 20" | | | | | | | | | | | | | | | | | | | | |
|----------------------------|----------|-----------|-------------------------------|------------------------|------|--------------------------|------------|-------|-------|-------|--------------------------|--------|--------|-------|-------|-----------------------|-------|-------|-------|-------|--------------------------|--------|--------|-------|-------|-------|
| | | | | | | HEIGHT = 24" | | | | | | | | | | HEIGHT = 36" | | | | | | | | | | |
| | | | | | | GPA FOR THREE NOZZLES | | | | | GALLONS PER 1000 SQ. FT. | | | | | GPA FOR THREE NOZZLES | | | | | GALLONS PER 1000 SQ. FT. | | | | | |
| | | | | | | 24" HEIGHT | 36" HEIGHT | 4 MPH | 6 MPH | 8 MPH | 10 MPH | 15 MPH | 20 MPH | 2 MPH | 3 MPH | 4 MPH | 5 MPH | 4 MPH | 6 MPH | 8 MPH | 10 MPH | 15 MPH | 20 MPH | 2 MPH | 3 MPH | 4 MPH |
| (B)1/4XP10R (B)1/4XP10L | 1/4TTJ08 | 30 | XC | 2.43 | 23.3 | 25.3 | 12.9 | 8.6 | 6.5 | 5.2 | 3.4 | 2.6 | 0.59 | 0.39 | 0.30 | 0.24 | 11.9 | 7.9 | 5.9 | 4.8 | 3.2 | 2.4 | 0.54 | 0.36 | 0.27 | 0.22 |
| | | 40 | XC | 2.80 | 25.3 | 28.3 | 13.7 | 9.1 | 6.8 | 5.5 | 3.7 | 2.7 | 0.63 | 0.42 | 0.31 | 0.25 | 12.2 | 8.2 | 6.1 | 4.9 | 3.3 | 2.4 | 0.56 | 0.37 | 0.28 | 0.22 |
| | | 50 | XC | 3.13 | 28.3 | 30.3 | 13.7 | 9.1 | 6.8 | 5.5 | 3.6 | 2.7 | 0.63 | 0.42 | 0.31 | 0.25 | 12.8 | 8.5 | 6.4 | 5.1 | 3.4 | 2.6 | 0.59 | 0.39 | 0.29 | 0.23 |
| (B)1/4XP20R (B)1/4XP20L | 1/4TTJ08 | 30 | XC | 4.19 | 26.3 | 27.3 | 19.7 | 13.1 | 9.9 | 7.9 | 5.3 | 3.9 | 0.90 | 0.60 | 0.45 | 0.36 | 19.0 | 12.7 | 9.5 | 7.6 | 5.1 | 3.8 | 0.87 | 0.58 | 0.43 | 0.35 |
| | | 40 | XC | 4.80 | 30.3 | 31.3 | 19.6 | 13.1 | 9.8 | 7.8 | 5.2 | 3.9 | 0.90 | 0.60 | 0.45 | 0.36 | 19.0 | 12.7 | 9.5 | 7.6 | 5.1 | 3.8 | 0.87 | 0.58 | 0.43 | 0.35 |
| | | 50 | XC | 5.39 | 32.3 | 33.3 | 21 | 13.8 | 10.3 | 8.3 | 5.5 | 4.1 | 0.95 | 0.63 | 0.47 | 0.38 | 20 | 13.4 | 10.0 | 8.0 | 5.3 | 4.0 | 0.92 | 0.61 | 0.46 | 0.37 |
| (B)1/4XP25R (B)1/4XP25L | 1/4TTJ10 | 30 | XC | 5.13 | 27.3 | 30.3 | 23 | 15.5 | 11.6 | 9.3 | 6.2 | 4.7 | 1.1 | 0.71 | 0.53 | 0.43 | 21 | 14.0 | 10.5 | 8.4 | 5.6 | 4.2 | 0.96 | 0.64 | 0.48 | 0.38 |
| | | 40 | XC | 6.00 | 30.3 | 32.3 | 25 | 16.3 | 12.3 | 9.8 | 6.5 | 4.9 | 1.1 | 0.75 | 0.56 | 0.45 | 23 | 15.3 | 11.5 | 9.2 | 6.1 | 4.6 | 1.1 | 0.70 | 0.53 | 0.42 |
| | | 50 | XC | 6.62 | 32.3 | 33.3 | 25 | 16.9 | 12.7 | 10.1 | 6.8 | 5.1 | 1.2 | 0.77 | 0.58 | 0.46 | 25 | 16.4 | 12.3 | 9.8 | 6.6 | 4.9 | 1.1 | 0.75 | 0.56 | 0.45 |
| (B)1/2XP40R (B)1/2XP40L | 1/4TTJ15 | 30 | XC | 8.36 | 29.3 | 32.3 | 35 | 24 | 17.7 | 14.1 | 9.4 | 7.1 | 1.6 | 1.1 | 0.81 | 0.65 | 32 | 21 | 16.0 | 12.8 | 8.5 | 6.4 | 1.5 | 0.98 | 0.73 | 0.59 |
| | | 40 | XC | 9.50 | 31.3 | 34.3 | 38 | 25 | 18.8 | 15.0 | 10.0 | 7.5 | 1.7 | 1.1 | 0.86 | 0.69 | 34 | 23 | 17.1 | 13.7 | 9.1 | 6.9 | 1.6 | 1.0 | 0.78 | 0.63 |
| | | 50 | XC | 10.8 | 33.3 | 35.3 | 40 | 27 | 20 | 16.1 | 10.7 | 8.0 | 1.8 | 1.2 | 0.92 | 0.74 | 38 | 25 | 18.9 | 15.1 | 10.1 | 7.6 | 1.7 | 1.2 | 0.87 | 0.69 |
| 60 | XC | 11.8 | 35.3 | 38.3 | 41 | 28 | 21 | 16.5 | 11.0 | 8.3 | 1.9 | 1.3 | 0.95 | 0.76 | 38 | 25 | 19.1 | 15.3 | 10.2 | 7.6 | 1.7 | 1.2 | 0.87 | 0.70 | | |

| CENTER NOZZLE "C" | PSI | DROP SIZE | CAPACITY THREE NOZZLES IN GPM | SPRAY WIDTH "W" (FEET) | | NOZZLE SPACING "X" = 30" | | | | | | | | | | | | | | | | | | | | |
|----------------------------|------------------|-----------|-------------------------------|------------------------|------|--------------------------|------------|-------|-------|-------|--------------------------|--------|--------|-------|-------|-----------------------|-------|-------|-------|-------|--------------------------|--------|--------|-------|-------|-------|
| | | | | | | HEIGHT = 24" | | | | | | | | | | HEIGHT = 36" | | | | | | | | | | |
| | | | | | | GPA FOR THREE NOZZLES | | | | | GALLONS PER 1000 SQ. FT. | | | | | GPA FOR THREE NOZZLES | | | | | GALLONS PER 1000 SQ. FT. | | | | | |
| | | | | | | 24" HEIGHT | 36" HEIGHT | 4 MPH | 6 MPH | 8 MPH | 10 MPH | 15 MPH | 20 MPH | 2 MPH | 3 MPH | 4 MPH | 5 MPH | 4 MPH | 6 MPH | 8 MPH | 10 MPH | 15 MPH | 20 MPH | 2 MPH | 3 MPH | 4 MPH |
| (B)1/4XP10R (B)1/4XP10L | 1/4TTJ06 (50) | 30 | XC | 2.26 | 25.0 | 27.0 | 11.2 | 7.5 | 5.6 | 4.5 | 3.0 | 2.2 | 0.51 | 0.34 | 0.26 | 0.20 | 10.4 | 6.9 | 5.2 | 4.1 | 2.8 | 2.1 | 0.47 | 0.32 | 0.24 | 0.19 |
| | | 40 | XC | 2.60 | 27.0 | 30.0 | 11.9 | 7.9 | 6.0 | 4.8 | 3.2 | 2.4 | 0.55 | 0.36 | 0.27 | 0.22 | 10.7 | 7.2 | 5.4 | 4.3 | 2.9 | 2.1 | 0.49 | 0.33 | 0.25 | 0.20 |
| | | 50 | XC | 2.91 | 30.0 | 32.0 | 12.0 | 8.0 | 6.0 | 4.8 | 3.2 | 2.4 | 0.55 | 0.37 | 0.27 | 0.22 | 11.3 | 7.5 | 5.6 | 4.5 | 3.0 | 2.3 | 0.52 | 0.34 | 0.26 | 0.21 |
| (B)1/4XP20R (B)1/4XP20L | 1/4TTJ06 (50) | 30 | XC | 4.02 | 28.0 | 29.0 | 17.8 | 11.8 | 8.9 | 7.1 | 4.7 | 3.6 | 0.81 | 0.54 | 0.41 | 0.33 | 17.2 | 11.4 | 8.6 | 6.9 | 4.6 | 3.4 | 0.79 | 0.52 | 0.39 | 0.31 |
| | | 40 | XC | 4.60 | 32.0 | 33.0 | 17.8 | 11.9 | 8.9 | 7.1 | 4.7 | 3.6 | 0.81 | 0.54 | 0.41 | 0.33 | 17.3 | 11.5 | 8.6 | 6.9 | 4.6 | 3.5 | 0.79 | 0.53 | 0.39 | 0.32 |
| | | 50 | XC | 5.17 | 34.0 | 35.0 | 18.8 | 12.5 | 9.4 | 7.5 | 5.0 | 3.8 | 0.86 | 0.57 | 0.43 | 0.34 | 18.3 | 12.2 | 9.1 | 7.3 | 4.9 | 3.7 | 0.84 | 0.56 | 0.42 | 0.33 |
| (B)1/4XP25R (B)1/4XP25L | 1/4TTJ08 | 30 | XC | 4.95 | 29.0 | 32.0 | 21 | 14.1 | 10.6 | 8.4 | 5.6 | 4.2 | 0.97 | 0.64 | 0.48 | 0.39 | 19.1 | 12.8 | 9.6 | 7.7 | 5.1 | 3.8 | 0.88 | 0.58 | 0.44 | 0.35 |
| | | 40 | XC | 5.80 | 32.0 | 34.0 | 22 | 15.0 | 11.2 | 9.0 | 6.0 | 4.5 | 1.0 | 0.68 | 0.51 | 0.41 | 21 | 14.1 | 10.6 | 8.4 | 5.6 | 4.2 | 0.97 | 0.64 | 0.48 | 0.39 |
| | | 50 | XC | 6.39 | 34.0 | 35.0 | 23 | 15.5 | 11.6 | 9.3 | 6.2 | 4.7 | 1.1 | 0.71 | 0.53 | 0.43 | 23 | 15.1 | 11.3 | 9.0 | 6.0 | 4.5 | 1.0 | 0.69 | 0.52 | 0.41 |
| (B)1/2XP40R (B)1/2XP40L | 1/4TTJ10 | 30 | XC | 7.93 | 31.0 | 34.0 | 32 | 21 | 15.8 | 12.7 | 8.4 | 6.3 | 1.4 | 0.97 | 0.72 | 0.58 | 29 | 19.2 | 14.4 | 11.5 | 7.7 | 5.8 | 1.3 | 0.88 | 0.66 | 0.53 |
| | | 40 | XC | 9.00 | 33.0 | 36.0 | 34 | 23 | 16.9 | 13.5 | 9.0 | 6.8 | 1.5 | 1.0 | 0.77 | 0.62 | 31 | 21 | 15.5 | 12.4 | 8.3 | 6.2 | 1.4 | 0.94 | 0.71 | 0.57 |
| | | 50 | XC | 10.2 | 35.0 | 37.0 | 36 | 24 | 18.0 | 14.4 | 9.6 | 7.2 | 1.7 | 1.1 | 0.83 | 0.66 | 34 | 23 | 17.1 | 13.6 | 9.1 | 6.8 | 1.6 | 1.0 | 0.78 | 0.62 |
| (B)1/2XP80R (B)1/2XP80L | 1/4TTJ15 | 30 | XC | 15.0 | 35.0 | 38.0 | 53 | 35 | 27 | 21 | 14.1 | 10.6 | 2.4 | 1.6 | 1.2 | 0.97 | 49 | 33 | 24 | 19.5 | 13.0 | 9.8 | 2.2 | 1.5 | 1.1 | 0.89 |
| | | 40 | XC | 17.5 | 37.0 | 40.0 | 59 | 39 | 29 | 23 | 15.6 | 11.7 | 2.7 | 1.8 | 1.3 | 1.1 | 54 | 36 | 27 | 22 | 14.4 | 10.8 | 2.5 | 1.7 | 1.2 | 0.99 |
| | | 50 | XC | 19.1 | 38.0 | 41.0 | 62 | 41 | 31 | 25 | 16.6 | 12.4 | 2.8 | 1.9 | 1.4 | 1.1 | 58 | 38 | 29 | 23 | 15.4 | 11.5 | 2.6 | 1.8 | 1.3 | 1.1 |
| 60 | XC | 21.0 | 40.0 | 42.0 | 65 | 43 | 32 | 26 | 17.3 | 13.0 | 3.0 | 2.0 | 1.5 | 1.2 | 62 | 41 | 31 | 25 | 16.5 | 12.4 | 2.8 | 1.9 | 1.4 | 1.1 | | |

Note: Always double check your application rates.
Tabulations are based on spraying water at 70°F (21°C).
See pages 173–187 for drop size classification, useful formulas and information.

(B)=BSPT

