



HYPRO XT® BOOM XTENDER TIPS
XT Boomless Technology

The XT introduces boomless spray technology enabling spray to be targeted into places that conventional booms and other nozzles cannot reach. The XT delivers a uniform, even spray pattern over a distance of up to 21 feet. In addition, its unique stepped slot design reduces the number of fine droplets so that spray drift is a thing of the past!

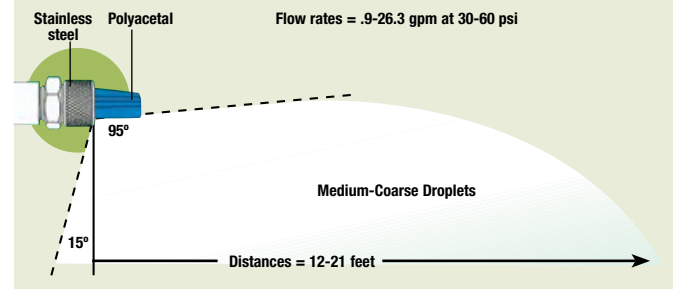
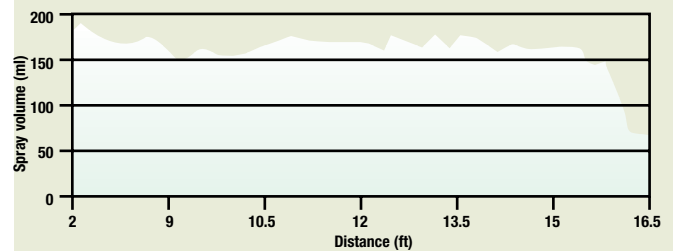
Features and Benefits:

- Ideal for applications where a conventional boom cannot be used due to man-made or natural obstacles; e.g., powerpoles, guardrails, fences, trees, etc.
- Excellent for use as last boom tip to reduce spray drift.
- Precision molded polyacetal tip and machined stainless steel body provides excellent durability.
- All stainless steel bodies have standard male pipe threads.
- Maintains a consistent spray swath of 12-21 feet over a pressure range of 30-60 psi.
- Can be used with simple or advanced manual or automatic rate controllers.
- Large droplet size reduces spray drift and promotes crop penetration.
- Off-center, flat fan spray pattern of 110° and over.
- Easy to install, low maintenance.

Spray Characteristics:

- Flat fan 15°/95° off-center.
- Medium to coarse droplet size.
- High GPM, wide spray swath.
- Even spray pattern.

Typical spray pattern produced by the XT Series



BROADCAST AND TURF APPLICATIONS				APPLICATION RATE (GPA) (Miles per hour)												GAL/1000FT Squared					SWATH WIDTH (ft)
THREAD	XT MODEL	PSI	GPM	4	5	6	7	8	10	12	14	16	18	20	2	3	4	5	40 PSI		
1/4" MNPT	TPXT010	30	.09	8.9	7.1	6.0	5.1	4.5	3.6	3.0	2.6	2.2	2.0	1.8	0.41	0.27	0.20	0.16	12		
		40	1.0	10.3	8.3	6.9	5.9	5.2	4.1	3.4	2.9	2.6	2.3	2.1	0.47	0.31	0.24	0.19			
		50	1.1	11.5	9.2	7.7	6.6	5.8	4.6	3.8	3.3	2.9	2.6	2.3	0.53	0.35	0.26	0.21			
		60	1.2	12.6	10.1	8.4	7.2	6.3	5.1	4.2	3.6	3.2	2.8	2.5	0.58	0.39	0.29	0.23			
1/4" MNPT	TPXT020 TPXT020FC	30	1.7	12.6	10.1	8.4	7.2	6.3	5.0	4.2	3.6	3.2	2.8	2.5	0.58	0.38	0.29	0.23	17		
		40	2.0	14.6	11.6	9.7	8.3	7.3	5.8	4.9	4.2	3.6	3.2	2.9	0.67	0.44	0.33	0.27			
		50	2.2	16.3	13.0	10.9	9.3	8.1	6.5	5.4	4.7	4.1	3.6	3.3	0.75	0.50	0.37	0.30			
		60	2.4	17.8	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.5	4.0	3.6	0.82	0.54	0.41	0.33			
1/4" MNPT	TPXT024 TPXT024FC	30	2.1	14.3	11.4	9.5	8.2	7.1	5.7	4.8	4.1	3.6	3.2	2.9	0.65	0.44	0.33	0.26	18		
		40	2.4	16.5	13.2	11.0	9.4	8.3	6.6	5.5	4.7	4.1	3.7	3.3	0.76	0.50	0.38	0.30			
		50	2.7	18.0	14.8	12.3	10.5	9.2	7.4	6.1	5.3	4.6	4.1	3.7	0.84	0.56	0.42	0.34			
		60	2.9	20.0	16.2	13.5	11.5	10.1	8.1	6.7	5.8	5.1	4.5	4.0	1.00	0.65	0.49	0.39			
3/8" MNPT	TPXT043 TPXT043FC	30	3.7	23.0	18.4	15.4	13.2	11.5	9.2	7.7	6.6	5.8	5.1	4.6	1.10	0.70	0.53	0.42	20		
		40	4.3	27.0	21.3	17.7	15.2	13.3	10.6	8.9	7.6	6.7	5.9	5.3	1.20	0.81	0.61	0.49			
		50	4.8	30.0	23.8	19.8	17.0	14.9	11.9	9.9	8.5	7.4	6.6	5.9	1.40	0.91	0.68	0.54			
		60	5.3	33.0	26.1	21.7	18.6	16.3	13.0	10.9	9.3	8.1	7.2	6.5	1.50	1.00	0.75	0.60			
1/2" MNPT	TPXT080	30	6.9	41.0	33.0	27.0	23.0	20.0	16.3	13.6	11.7	10.2	9.1	8.2	1.90	1.20	0.90	0.75	21		
		40	8.0	47.0	38.0	31.0	27.0	24.0	19.0	15.7	13.5	11.8	10.5	9.4	2.20	1.40	1.10	0.86			
		50	8.9	53.0	42.0	35.0	30.0	26.0	21.0	17.6	15.1	13.2	11.7	10.5	2.40	1.60	1.20	1.00			
		60	9.8	58.0	46.0	38.0	33.0	29.0	23.0	19.0	16.5	14.4	12.8	11.5	2.60	1.80	1.30	1.10			
3/4" MNPT	TPXT167	30	14.5	99.0	80.0	66.0	57.0	50.0	40.0	33.0	28.0	25.0	22.1	19.9	4.60	3.00	2.30	1.80	18		
		40	16.7	115.0	92.0	77.0	66.0	57.0	46.0	38.0	33.0	29.0	25.5	23.0	5.30	3.50	2.60	2.10			
		50	18.7	128.0	103.0	86.0	73.0	64.0	51.0	43.0	37.0	32.0	28.5	25.7	5.90	3.90	2.90	2.40			
		60	20.5	141.0	112.0	94.0	80.0	70.0	56.0	47.0	40.0	35.0	31.2	28.1	6.40	4.30	3.20	2.60			
3/4" MNPT	TPXT215	30	18.6	115.0	92.0	77.0	66.0	58.0	46.0	38.0	33.0	28.8	25.6	23.0	5.30	3.50	2.60	2.10	20		
		40	21.5	133.0	106.0	89.0	76.0	67.0	53.0	44.0	38.0	33.0	30.0	26.6	6.10	4.10	3.00	2.40			
		50	24.0	149.0	119.0	99.0	85.0	74.0	59.0	50.0	42.0	37.0	33.0	30.0	6.80	4.50	3.40	2.70			
		60	26.3	163.0	130.0	109.0	93.0	81.0	65.0	54.0	47.0	41.0	36.0	33.0	7.50	5.00	3.70	3.00			

HYPRO™

GUARDIANAIR™ SPRAY TIPS

Enhanced Coverage Air-Inclusion Spray Tips



The Hypro® GuardianAIR™ spray tip is the first and only tip to feature technology developed by Hypro for the Syngenta® Amistar™ spray tip. A unique rearward spray incline provides more uniform coverage with 10 GPM spray rates. Higher flow tips used at faster speeds have a greater spray incline.

- Optimized for the performance and productivity of the most common lower application rates, around 10 GPA.
- Produces air-induced sprays for reduced drift and environmental impact while increasing droplet deposition and retention on the foliage.
- Provides better coverage with more drops per gallon compared to other common air-induced spray tips.
- Spray incline is speed-optimized to allow more uniform coverage on the front and back of the foliage for a wide range of speeds.
- Boosts productivity with tip sizes for speeds from 3 to over 20 MPH, including the only size “035” tip of its kind with a 10 – 14 MPH sweet spot.
- Each tip is clearly marked with an arrow indicating the direction of travel.
- Available in 7 sizes to fit either a standard QJ25611-^{*} cap or integrated as a FastCap®, which includes the cap and gasket for easy installation.
- Pressure Range – 15 to 115 PSI; Spray Angle - 110°.

PART	DESCRIPTION
TPFCGA110-015	FastCap® GuardianAIR Spray Tip (w/ cap & gasket)
TPFCGA110-02	FastCap® GuardianAIR Spray Tip (w/ cap & gasket)
TPFCGA110-025	FastCap® GuardianAIR Spray Tip (w/ cap & gasket)
TPFCGA110-03	FastCap® GuardianAIR Spray Tip (w/ cap & gasket)
TPFCGA110-035	FastCap® GuardianAIR Spray Tip (w/ cap & gasket)
TPFCGA110-04	FastCap® GuardianAIR Spray Tip (w/ cap & gasket)
TPFCGA110-05	FastCap® GuardianAIR Spray Tip (w/ cap & gasket)
TPGA110-015	GuardianAIR Spray Tip
TPGA110-02	GuardianAIR Spray Tip
TPGA110-025	GuardianAIR Spray Tip
TPGA110-03	GuardianAIR Spray Tip
TPGA110-035	GuardianAIR Spray Tip
TPGA110-04	GuardianAIR Spray Tip
TPGA110-05	GuardianAIR Spray Tip



HYPRO TWINCAP™

The Hypro TwinCap™ is a simple, compact way to use two spray tips back to back to create a high coverage twin spray.

- Holds & aligns standard dimension fan pattern spray tips such as GuardianAIR, Hypro Ultra Low Drift, and TeeJet tips that fit the standard TeeJet QJ25611 cap.

PART	DESCRIPTION
152607TC	Hypro TwinCap

GUARDIANAIR™ TWIN SPRAY TIPS

30° Opposed Twin Angle Air-Inclusion Spray Tips



The Hypro® GuardianAIR Twin™ spray tip is the best choice for high coverage applications where on-target spray delivery is important. They are ideal for low crops with complex canopies, such as vegetables, where thorough coverage of the target and protection of the surroundings are of high importance.

- Ideal for high-coverage application of post-emerge plant health protectants.
- High-coverage 30° forward and 30° rear facing fans help penetrate complex canopies requiring more thorough coverage.
- Incorporates the fundamental characteristics of uniform coverage and reduced drift from the world-renowned GuardianAIR tip range.
- Easy-to-install patent-pending locking ring and o-ring seal design makes installation a snap and sealing a sure thing.
- Dust is sealed out by the locking ring to reduce contamination of the nozzle when removing it from the sprayer.
- Integrated strainers are matched to the nozzle size to prevent over-straining or plugging.
- Available in 7 sizes from “02” to “08” (including “025”) and colour coded to indicate the flow for the entire spray assembly.
- Pressure Range – 30 to 115 PSI; Spray Angle - 110°.

PART	DESCRIPTION
TPGAT110-02	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)
TPGAT110-025	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)
TPGAT110-03	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)
TPGAT110-035	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)
TPGAT110-04	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)
TPGAT110-05	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)
TPGAT110-06	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)
TPGAT110-08	GuardianAIR Twin Spray Tip (w/ cap, gasket, strainer)
TS02-50	50-mesh replacement strainer for all tip sizes
65-BS205	Replacement Cap Gasket for all sizes



GUARDIAN SPRAY TIP

- All-in-one FastCap (cap/tip/strainer/gasket) design eliminates loose parts.
- 120° Spray angle with 20° incline can be aimed forward or rearward to suit the desired application.
- Available in 015, 02, 025, 03, 04, 05, 06, and 08 sizes; specify size.

PART	DESCRIPTION
TPGRD120- ^{**}	Guardian FastCap Spray Tip (please specify size)



HYPRO ULTRA LOW DRIFT™ 120° SPRAY TIP

- Creates air-filled droplets that significantly reduce spray drift.
- Available in 01, 015, 02, 025, 03, 04, 05, 06, and 08 sizes; specify size.

PART	DESCRIPTION
TPULD120- ^{**}	Ultra Low Drift Spray Tip (please specify size)