PENTAIR HYPRO

Focused Precision. **FOR LIFE.**

ULTRA LO-DRIFT MAX

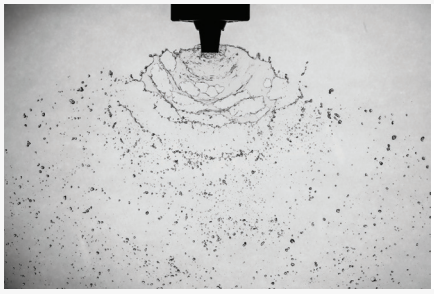
DUAL AIR-INDUCTION NOZZLE FOR MAXIMUM DRIFT CONTROL

FEATURES & BENEFITS

- Pentair Hypro designed one of the most effective drift reducing nozzles, providing up to 95% drift reduction based on internal droplet sizing of % droplets <141µ compared to Pentair Hypro 03 Flat fan at 3.0 bar.
- This nozzle can operate at a wide range of operating pressures while maintaining consistent droplet size for greater flexibility when applying Dicamba and 2, 4-D. The 130° spray angle allows for optimal pattern overlap and coverage at lower boom heights.
- FastCap version utilizes the SnapLock cap technology, reducing installation torque requirement by 73% (Internal testing - standard FastCap versus SnapLock cap).
- Compact robust footprint designed to not break easily when hitting crops or the ground.
- Ultra Lo-Drift Max is the ideal nozzle for systemic post-emergence herbicide applications where drift reduction is paramount.

Designed to provide the best coverage on hard to hit targets.

A Flat Fan nozzle may have equal coverage but at the cost of having a high percentage of driftable droplets.



Ultra Lo-Drift Max was designed to provide the best drift reduction for auxin-based herbicides.

SPECIFICATIONS - US UNITS

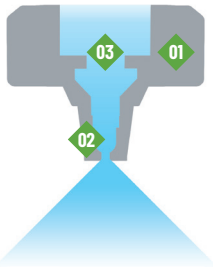
US UNITS

Nozzle Size	Droplet Size	Pressure (PSI)	Flow (GPM)	Speed (MPH) - 20 inch nozzle spacing										
				Gallons per Acre										
				5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
02	UC	30	0.17	10.1	6.7	5.0	4.0	3.4	2.9	2.5	2.2	2.0	1.8	1.7
	UC	40	0.20	11.9	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2	2.0
	UC	50	0.22	13.1	8.7	6.5	5.2	4.4	3.7	3.3	2.9	2.6	2.4	2.2
	UC	60	0.24	14.3	9.5	7.1	5.7	4.8	4.1	3.6	3.2	2.9	2.6	2.4
	XC	70	0.26	15.4	10.3	7.7	6.2	5.1	4.4	3.9	3.4	3.1	2.8	2.6
	XC	80	0.28	16.6	11.1	8.3	6.7	5.5	4.8	4.2	3.7	3.3	3.0	2.8
	XC	90	0.30	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0
	XC	100	0.31	18.4	12.3	9.2	7.4	6.1	5.3	4.6	4.1	3.7	3.3	3.1
025	UC	30	0.22	13.1	8.7	6.5	5.2	4.4	3.7	3.3	2.9	2.6	2.4	2.2
	UC	40	0.25	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7	2.5
	UC	50	0.28	16.6	11.1	8.3	6.7	5.5	4.8	4.2	3.7	3.3	3.0	2.8
	UC	60	0.31	18.4	12.3	9.2	7.4	6.1	5.3	4.6	4.1	3.7	3.3	3.1
	UC	70	0.33	19.6	13.1	9.8	7.8	6.5	5.6	4.9	4.4	3.9	3.6	3.3
	UC	80	0.35	20.8	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8	3.5
	XC	90	0.38	22.6	15.0	11.3	9.0	7.5	6.4	5.6	5.0	4.5	4.1	3.8
	XC	100	0.40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0
03	UC	30	0.26	15.4	10.3	7.7	6.2	5.1	4.4	3.9	3.4	3.1	2.8	2.6
	UC	40	0.30	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0
	UC	50	0.34	20.2	13.5	10.1	8.1	6.7	5.8	5.0	4.5	4.0	3.7	3.4
	UC	60	0.37	22.0	14.7	11.0	8.8	7.3	6.3	5.5	4.9	4.4	4.0	3.7
	UC	70	0.40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0
	XC	80	0.42	24.9	16.6	12.5	10.0	8.3	7.1	6.2	5.5	5.0	4.5	4.2
	XC	90	0.45	-	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.9	4.5
	XC	100	0.48	-	18.9	14.2	11.3	9.5	8.1	7.1	6.3	5.7	5.2	4.7
04	UC	30	0.35	20.8	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8	3.5
	UC	40	0.40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0
	UC	50	0.45	-	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.9	4.5
	UC	60	0.49	-	19.4	14.6	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.9
	UC	70	0.53	-	21.0	15.7	12.6	10.5	9.0	7.9	7.0	6.3	5.7	5.2
	XC	80	0.57	-	22.6	16.9	13.5	11.3	9.7	8.5	7.5	6.8	6.2	5.6
	XC	90	0.60	-	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9
	XC	100	0.63	-		18.8	15.0	12.5	10.7	9.4	8.4	7.5	6.8	6.3
05	UC	30	0.43	-	17.0	12.8	10.2	8.5	7.3	6.4	5.7	5.1	4.6	4.3
	UC	40	0.50	-	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4	5.0
	UC	50	0.56	-	22.2	16.6	13.3	11.1	9.5	8.3	7.4	6.7	6.0	5.5
	UC	60	0.61	-	24.2	18.1	14.5	12.1	10.4	9.1	8.1	7.2	6.6	6.0
	UC	70	0.66	-	-	19.6	15.7	13.1	11.2	9.8	8.7	7.8	7.1	6.5
	UC	80	0.71	-	-	21.1	16.9	14.1	12.0	10.5	9.4	8.4	7.7	7.0
	UC	90	0.75	-	-	22.3	17.8	14.9	12.7	11.1	9.9	8.9	8.1	7.4
	XC	100	0.79	-	-	23.5	18.8	15.6	13.4	11.7	10.4	9.4	8.5	7.8
06	UC	30	0.52	-	20.6	15.4	12.4	10.3	8.8	7.7	6.9	6.2	5.6	5.1
	UC	40	0.60	-	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9
	UC	50	0.67	-	-	19.9	15.9	13.3	11.4	9.9	8.8	8.0	7.2	6.6
	UC	60	0.73	-	-	21.7	17.3	14.5	12.4	10.8	9.6	8.7	7.9	7.2
	UC	70	0.79	-	-	23.5	18.8	15.6	13.4	11.7	10.4	9.4	8.5	7.8
	UC	80	0.85	-	-	-	20.2	16.8	14.4	12.6	11.2	10.1	9.2	8.4
	UC	90	0.90	-	-	-	21.4	17.8	15.3	13.4	11.9	10.7	9.7	8.9
	XC	100	0.95	-	-	-	22.6	18.8	16.1	14.1	12.5	11.3	10.3	9.4
08	UC	30	0.69	-	-	20.5	16.4	13.7	11.7	10.2	9.1	8.2	7.5	6.8
	UC	40	0.80	-	-	23.8	19.0	15.8	13.6	11.9	10.6	9.5	8.6	7.9
	UC	50	0.89	-	-	-	21.1	17.6	15.1	13.2	11.7	10.6	9.6	8.8
	UC	60	0.98	-	-	-	23.3	19.4	16.6	14.6	12.9	11.6	10.6	9.7
	UC	70	1.06	-	-	-	-	21.0	18.0	15.7	14.0	12.6	11.4	10.5
	UC	80	1.13	-	-	-	-	22.4	19.2	16.8	14.9	13.4	12.2	11.2
	XC	90	1.20	-	-	-	-	23.8	20.4	17.8	15.8	14.3	13.0	11.9
	XC	100	1.26	-	-	-	-	24.9	21.4	18.7	16.6	15.0	13.6	12.5

Droplet size classification and color coding based on ANSI/ASAE S572.3standard
Nozzle size color coding based on ISO 10625:2005(E) standard.

**For pressures lower than 15 PSI, nozzle spray angle may be reduced and will require a boom height of 30in to maintain spray distribution.

PENTAIR HYPRO FAST CAP TECHNOLOGY

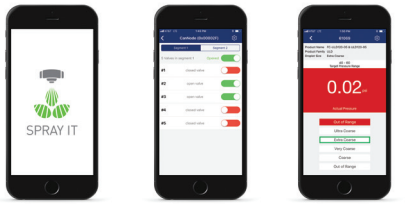


01 SnapLock cap version available for easy installation and removal

02 Duckbill style exit orifice for wide angle and fewer fines

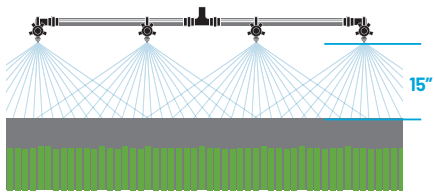
03 Pre-orifice and diffuser designed to create larger droplets and minimize fines across a wide operating range.

PENTAIR HYPRO SPRAY IT APP

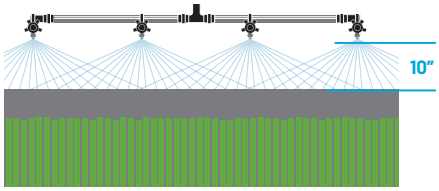


Download the FREE Pentair Hypro Spray It app for simple nozzle selection from the Apple or Android app store.

- Select by Chemical
- Select by Application
- Search by Part Number or Name
- Where to Buy Listings



110° SPRAY PATTERN HEIGHT WITH 50% OVERLAP



130° SPRAY PATTERN 50% OVERLAP HEIGHT

SPECIFICATIONS - METRIC UNITS

METRIC UNITS

Nozzle Size	Droplet Size	Pressure (BAR)	Flow (LPM)	Application Rate L/Ha-50 cm nozzle spacing												
				KM/H												
				6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0
02	UC	2	0.64	128.7	96.5	77.2	64.4	55.2	48.3	42.9	38.6	35.1	32.2	29.7	27.6	25.7	24.1
	UC	3	0.79	157.4	118.0	94.4	78.7	67.4	59.0	52.5	47.2	42.9	39.3	36.3	33.7	31.5	29.5
	UC	4	0.91	181.7	136.3	109.0	90.8	77.9	68.1	60.6	54.5	49.6	45.4	41.9	38.9	36.3	34.1
	XC	5	0.98	196.8	147.6	118.1	98.4	84.4	73.8	65.6	59.1	53.7	49.2	45.4	42.2	39.4	36.9
	XC	6	1.06	212.0	159.0	127.2	106.0	90.8	79.5	70.7	63.6	57.8	53.0	48.9	45.4	42.4	39.7
	XC	7	1.17	234.6	175.9	140.7	117.3	100.5	88.0	78.2	70.4	64.0	58.6	54.1	50.3	46.9	44.0
025	UC	2	0.83	166.6	124.9	99.9	83.3	71.4	62.5	55.5	50.0	45.4	41.6	38.4	35.7	33.3	31.2
	UC	3	0.95	189.3	142.0	113.6	94.6	81.1	71.0	63.1	56.8	51.6	47.3	43.7	40.6	37.9	35.5
	UC	4	1.17	234.7	176.0	140.8	117.3	100.6	88.0	78.2	70.4	64.0	58.7	54.2	50.3	46.9	44.0
	UC	5	1.25	249.8	187.4	149.9	124.9	107.1	93.7	83.3	75.0	68.1	62.5	57.7	53.5	50.0	46.8
	UC	6	1.32	265.0	198.7	159.0	132.5	113.6	99.4	88.3	79.5	72.3	66.2	61.1	56.8	53.0	49.7
	XC	7	1.51	-	227.2	181.8	151.5	129.9	113.6	101.0	90.9	82.6	75.7	69.9	64.9	60.6	56.8
03	UC	2	0.98	196.8	147.6	118.1	98.4	84.4	73.8	65.6	59.1	53.7	49.2	45.4	42.2	39.4	36.9
	UC	3	1.14	227.1	170.3	136.3	113.6	97.3	85.2	75.7	68.1	61.9	56.8	52.4	48.7	45.4	42.6
	UC	4	1.40	280.1	210.1	168.1	140.1	120.1	105.0	93.4	84.0	76.4	70.0	64.6	60.0	56.0	52.5
	UC	5	1.51	-	227.1	181.7	151.4	129.8	113.6	100.9	90.8	82.6	75.7	69.9	64.9	60.6	56.8
	XC	6	1.59	-	238.5	190.8	159.0	136.3	119.2	106.0	95.4	86.7	79.5	73.4	68.1	63.6	59.6
	XC	7	1.81	-	271.2	217.0	180.8	155.0	135.6	120.5	108.5	98.6	90.4	83.5	77.5	72.3	67.8
04	UC	2	1.32	265.0	198.7	159.0	132.5	113.6	99.4	88.3	79.5	72.3	66.2	61.1	56.8	53.0	49.7
	UC	3	1.51	-	227.1	181.7	151.4	129.8	113.6	100.9	90.8	82.6	75.7	69.9	64.9	60.6	56.8
	UC	4	1.85	-	278.2	222.6	185.5	159.0	139.1	123.7	111.3	101.2	92.7	85.6	79.5	74.2	69.6
	UC	5	2.01	-	-	240.8	200.6	172.0	150.5	133.8	120.4	109.4	100.3	92.6	86.0	80.3	75.2
	XC	6	2.16	-	-	258.9	215.8	184.9	161.8	143.8	129.5	117.7	107.9	99.6	92.5	86.3	80.9
	XC	7	2.39	-	-	287.4	239.5	205.3	179.6	159.6	143.7	130.6	119.7	110.5	102.6	95.8	89.8
05	UC	2	1.63	-	244.2	195.3	162.8	139.5	122.1	108.5	97.7	88.8	81.4	75.1	69.8	65.1	61.0
	UC	3	1.89	-	283.9	227.1	189.3	162.2	142.0	126.2	113.6	103.2	94.6	87.4	81.1	75.7	71.0
	UC	4	2.31	-	-	277.1	230.9	197.9	173.2	153.9	138.5	126.0	115.5	106.6	99.0	92.4	86.6
	UC	5	2.50	-	-	299.8	249.8	214.1	187.4	166.6	149.9	136.3	124.9	115.3	107.1	99.9	93.7
	UC	6	2.69	-	-	-	268.8	230.4	201.6	179.2	161.3	146.6	134.4	124.0	115.2	107.5	100.8
	XC	7	2.99		-	-	299.0	256.3	224.3	199.4	179.4	163.1	149.5	138.0	128.2	119.6	112.1
06	UC	2	1.97	-	295.3	236.2	196.8	168.7	147.6	131.2	118.1	107.4	98.4	90.8	84.4	78.7	73.8
	UC	3	2.27	-	-	272.5	227.1	194.7	170.3	151.4	136.3	123.9	113.6	104.8	97.3	90.8	85.2
	UC	4	2.76	-	-	-	276.3	236.9	207.3	184.2	165.8	150.7	138.2	127.5	118.4	110.5	103.6
	UC	5	2.99	-	-	-	299.0	256.3	224.3	199.4	179.4	163.1	149.5	138.0	128.2	119.6	112.1
	UC	6	3.22	-	-	-	-	275.8	241.3	214.5	193.1	175.5	160.9	148.5	137.9	128.7	120.7
	XC	7	3.60	-	-	-	-	-	269.7	239.7	215.8	196.2	179.8	166.0	154.1	143.8	134.9
08	UC	2	2.61	-	-	-	261.2	223.9	195.9	174.1	156.7	142.5	130.6	120.6	111.9	104.5	97.9
	UC	3	3.03	-	-	-	-	259.6	227.1	201.9	181.7	165.2	151.4	139.8	129.8	121.1	113.6
	UC	4	3.71	-	-	-	-	-	278.2	247.3	222.6	202.3	185.5	171.2	159.0	148.4	139.1
	UC	5	4.01	-	-	-	-	-	-	267.5	240.8	218.9	200.6	185.2	172.0	160.5	150.5
	UC	6	4.28	-	-	-	-	-	-	285.2	256.7	233.3	213.9	197.4	183.3	171.1	160.4
	XC	7	4.77	-	-	-	-	-	-	-	286.2	260.2	238.5	220.1	204.4	190.8	178.9

Droplet size classification and color coding based on ANSI/ASAE S572.3standard
Nozzle size color coding based on ISO 10625:2005(E) standard.

**For pressures lower than 1 BAR, nozzle spray angle may be reduced and will require a boom height of 76cm to maintain spray distribution.

Features	
Common Use	Systemic Herbicide
Pattern	Tapered Flat Fan
Technology	Air Induction
Material	Polyacetal
Spray Angle	130°
Pressure Range	30-100 PSI (2-6.9 BAR)
Configuration	Tips, FastCaps

Optimum Boom Height	
15" (35cm) Spacing	12-25" (30-60 cm)
20" (50cm) Spacing	18-30" (45-75 cm)

Part Numbers	
Tips	**FastCaps**
ULDM130-02	FC-ULDM130-02
ULDM130-025	FC-ULDM130-025
ULDM130-03	FC-ULDM130-03
ULDM130-04	FC-ULDM130-04
ULDM130-05	FC-ULDM130-05
ULDM130-06	FC-ULDM130-06
ULDM130-08	FC-ULDM130-08

Replacement Tip Strainer	
TS02-100	100 Mesh Strainer (Sizes 025-03)
TS02-50	50 Mesh Strainer (Sizes 04-08)

Replacement Gasket

10BG-2270-0150

Color Code	Classification
XF	Extremely Fine
VF	Very Fine
F	Fine
M	Medium
C	Coarse
VC	Very Coarse
XC	Extremely Coarse
UC	Ultra Coarse