PENTAIR HYPRO* ASYMMETRIC ULTRA LO-DRIFT CERAMIC 120°

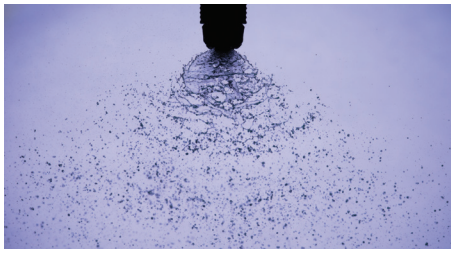
Extremely low-drift, twin air induction spray nozzle for optimized deposition and reduced spray drift at higher driving speeds. Ideal for high coverage applications of contact pesticides.

- High drift reduction over entire pressure range
- Twin flat spray jet 30°/50° with asymmetrical spray angles and flow rates
- Finer droplet spectrum to the front to drive direction for optimum wetting
- Coarser, more drift-resistant droplet spectrum to the rear

US UNITS

Nozzle Size	Droplet Size	Pressure (PSI)	Flow Rate (GPM)	Speed (MPH) - 20 inch nozzle spacing										
				Gallons per Acre										
				5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30
02	XC	15	0.12	7.1	4.8	3.6	2.9	2.4	2.0	1.8	1.6	1.4	1.3	1.2
	XC	20	0.15	8.9	5.9	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6	1.5
	XC	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
	VC	40	0.21	12.5	8.3	6.2	5.0	4.2	3.6	3.1	2.8	2.5	2.3	2.1
	VC	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
	C	75	0.27	16.0	10.7	8.0	6.4	5.3	4.6	4.0	3.6	3.2	2.9	2.7
	C	90	0.3	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0
	C	100	0.32	19.0	12.7	9.5	7.6	6.3	5.4	4.8	4.2	3.8	3.5	3.2
	M	115	0.34	20.2	13.5	10.1	8.1	6.7	5.8	5.0	4.5	4.0	3.7	3.4
025	XC	15	0.15	8.9	5.9	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6	1.5
	XC	20	0.18	10.7	7.1	5.3	4.3	3.6	3.1	2.7	2.4	2.1	1.9	1.8
	XC	30	0.21	12.5	8.3	6.2	5.0	4.2	3.6	3.1	2.8	2.5	2.3	2.1
	VC	40	0.26	15.4	10.3	7.7	6.2	5.1	4.4	3.9	3.4	3.1	2.8	2.6
	VC	60	0.3	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0
	C	75	0.34	20.2	13.5	10.1	8.1	6.7	5.8	5.0	4.5	4.0	3.7	3.4
	C	90	0.37	22.0	14.7	11.0	8.8	7.3	6.3	5.5	4.9	4.4	4.0	3.7
	C	100	0.4	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0
	M	115	0.43	25.5	17.0	12.8	10.2	8.5	7.3	6.4	5.7	5.1	4.6	4.3
03	XC	15	0.18	10.7	7.1	5.3	4.3	3.6	3.1	2.7	2.4	2.1	1.9	1.8
	XC	20	0.22	13.1	8.7	6.5	5.2	4.4	3.7	3.3	2.9	2.6	2.4	2.2
	XC	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
	VC	40	0.31	18.4	12.3	9.2	7.4	6.1	5.3	4.6	4.1	3.7	3.3	3.1
	VC	60	0.36	21.4	14.3	10.7	8.6	7.1	6.1	5.3	4.8	4.3	3.9	3.6
	C	75	0.40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0
	C	90	0.44	26.1	17.4	13.1	10.5	8.7	7.5	6.5	5.8	5.2	4.8	4.4
	C	100	0.48	28.5	19.0	14.3	11.4	9.5	8.1	7.1	6.3	5.7	5.2	4.8
	M	115	0.51	30.3	20.2	15.1	12.1	10.1	8.7	7.6	6.7	6.1	5.5	5.0
04	XC	15	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	20	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	30	0.34	20.2	13.5	10.1	8.1	6.7	5.8	5.0	4.5	4.0	3.7	3.4
	VC	40	0.42	24.9	16.6	12.5	10.0	8.3	7.1	6.2	5.5	5.0	4.5	4.2
	VC	60	0.48	28.5	19.0	14.3	11.4	9.5	8.1	7.1	6.3	5.7	5.2	4.8
	C	75	0.54	32.1	21.4	16.0	12.8	10.7	9.2	8.0	7.1	6.4	5.8	5.3
	C	90	0.59	35.0	23.4	17.5	14.0	11.7	10.0	8.8	7.8	7.0	6.4	5.8
	C	100	0.64	38.0	25.3	19.0	15.2	12.7	10.9	9.5	8.4	7.6	6.9	6.3
	M	115	0.68	40.4	26.9	20.2	16.2	13.5	11.5	10.1	9.0	8.1	7.3	6.7
05	XC	15	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	20	0.37	22.0	14.7	11.0	8.8	7.3	6.3	5.5	4.9	4.4	4.0	3.7
	XC	30	0.43	25.5	17.0	12.8	10.2	8.5	7.3	6.4	5.7	5.1	4.6	4.3
	VC	40	0.52	30.9	20.6	15.4	12.4	10.3	8.8	7.7	6.9	6.2	5.6	5.1
	C	60	0.60	35.6	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9
	C	75	0.67	39.8	26.5	19.9	15.9	13.3	11.4	9.9	8.8	8.0	7.2	6.6
	C	90	0.74	44.0	29.3	22.0	17.6	14.7	12.6	11.0	9.8	8.8	8.0	7.3
	M	100	0.80	47.5	31.7	23.8	19.0	15.8	13.6	11.9	10.6	9.5	8.6	7.9
	M	115	0.85	50.5	33.7	25.2	20.2	16.8	14.4	12.6	11.2	10.1	9.2	8.4
06	XC	15	0.36	21.4	14.3	10.7	8.6	7.1	6.1	5.3	4.8	4.3	3.9	3.6
	XC	20	0.44	26.1	17.4	13.1	10.5	8.7	7.5	6.5	5.8	5.2	4.8	4.4
	VC	30	0.51	30.3	20.2	15.1	12.1	10.1	8.7	7.6	6.7	6.1	5.5	5.0
	C	40	0.62	36.8	24.6	18.4	14.7	12.3	10.5	9.2	8.2	7.4	6.7	6.1
	C	60	0.72	42.8	28.5	21.4	17.1	14.3	12.2	10.7	9.5	8.6	7.8	7.1
	C	75	0.81	48.1	32.1	24.1	19.2	16.0	13.7	12.0	10.7	9.6	8.7	8.0
	M	90	0.88	52.3	34.8	26.1	20.9	17.4	14.9	13.1	11.6	10.5	9.5	8.7
	M	100	0.95	56.4	37.6	28.2	22.6	18.8	16.1	14.1	12.5	11.3	10.3	9.4
	M	115	1.00	59.4	39.6	29.7	23.8	19.8	17.0	14.9	13.2	11.9	10.8	9.9
08	XC	20	0.59	35.0	23.4	17.5	14.0	11.7	10.0	8.8	7.8	7.0	6.4	5.8
	XC	30	0.68	40.4	26.9	20.2	16.2	13.5	11.5	10.1	9.0	8.1	7.3	6.7
	VC	40	0.83	49.3	32.9	24.7	19.7	16.4	14.1	12.3	11.0	9.9	9.0	8.2
	C	60	0.96	57.0	38.0	28.5	22.8	19.0	16.3	14.3	12.7	11.4	10.4	9.5
	C	75	1.1	65.3	43.6	32.7	26.1	21.8	18.7	16.3	14.5	13.1	11.9	10.9
	M	90	1.2	71.3	47.5	35.6	28.5	23.8	20.4	17.8	15.8	14.3	13.0	11.9
	M	100	1.3	77.2	51.5	38.6	30.9	25.7	22.1	19.3	17.2	15.4	14.0	12.9
	M	115	1.4	83.2	55.4	41.6	33.3	27.7	23.8	20.8	18.5	16.6	15.1	13.9

PENTAIR HYPRO® ASYMMETRIC ULTRA LO-DRIFT CERAMIC 120°



High-speed imaging of spray pattern produced by Pentair Hypro Asymmetric Ultra Lo-Drift Ceramic spray nozzles

METRIC UNITS

Nozzle Size	Droplet Size	Pressure (BAR)	Flow Rate (LPM)	Speed (KW/H) Application Rate L/Ha - 50 cm Spacing													
				40	60	80	100	120	140	160	180	200	220	240	260	280	300
02	XC	1	0.46	13.8	9.2	6.9	5.5	4.6	3.9	3.5	3.1	2.8	2.5	2.3	2.1	2.0	1.8
	XC	1.5	0.56	16.8	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1	2.8	2.6	2.4	2.2
	XC	2	0.65	19.5	13.0	9.8	7.8	6.5	5.6	4.9	4.3	3.9	3.5	3.3	3.0	2.8	2.6
	VC	3	0.80	24.0	16.0	12.0	9.6	8.0	6.9	6.0	5.3	4.8	4.4	4.0	3.7	3.4	3.2
	VC	4	0.92	27.6	18.4	13.8	11.0	9.2	7.9	6.9	6.1	5.5	5.0	4.6	4.2	3.9	3.7
	C	5	1.03	30.9	20.6	15.5	12.4	10.3	8.8	7.7	6.9	6.2	5.6	5.2	4.8	4.4	4.1
	C	6	1.13	33.9	22.6	17.0	13.6	11.3	9.7	8.5	7.5	6.8	6.2	5.7	5.2	4.8	4.5
	C	7	1.22	36.6	24.4	18.3	14.6	12.2	10.5	9.2	8.1	7.3	6.7	6.1	5.6	5.2	4.9
	M	8	1.30	39.0	26.0	19.5	15.6	13.0	11.1	9.8	8.7	7.8	7.1	6.5	6.0	5.6	5.2
025	XC	1	0.57	17.1	11.4	8.6	6.8	5.7	4.9	4.3	3.8	3.4	3.1	2.9	2.6	2.4	2.3
	XC	1.5	0.70	21.0	14.0	10.5	8.4	7.0	6.0	5.3	4.7	4.2	3.8	3.5	3.2	3.0	2.8
	XC	2	0.81	24.3	16.2	12.2	9.7	8.1	6.9	6.1	5.4	4.9	4.4	4.1	3.7	3.5	3.2
	VC	3	0.99	29.7	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2	4.0
	VC	4	1.15	34.5	23.0	17.3	13.8	11.5	9.9	8.6	7.7	6.9	6.3	5.8	5.3	4.9	4.6
	C	5	1.28	38.4	25.6	19.2	15.4	12.8	11.0	9.6	8.5	7.7	7.0	6.4	5.9	5.5	5.1
	C	6	1.40	42.0	28.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4	7.6	7.0	6.5	6.0	5.6
	C	7	1.52	45.6	30.4	22.8	18.2	15.2	13.0	11.4	10.1	9.1	8.3	7.6	7.0	6.5	6.1
	M	8	1.62	48.6	32.4	24.3	19.4	16.2	13.9	12.2	10.8	9.7	8.8	8.1	7.5	6.9	6.5
03	XC	1	0.69	20.7	13.8	10.4	8.3	6.9	5.9	5.2	4.6	4.1	3.8	3.5	3.2	3.0	2.8
	XC	1.5	0.84	25.2	16.8	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.6	4.2	3.9	3.6	3.4
	XC	2	0.97	29.1	19.4	14.6	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.9	4.5	4.2	3.9
	VC	3	1.19	35.7	23.8	17.9	14.3	11.9	10.2	8.9	7.9	7.1	6.5	6.0	5.5	5.1	4.8
	VC	4	1.37	41.1	27.4	20.6	16.4	13.7	11.7	10.3	9.1	8.2	7.5	6.9	6.3	5.9	5.5
	C	5	1.53	45.9	30.6	23.0	18.4	15.3	13.1	11.5	10.2	9.2	8.3	7.7	7.1	6.6	6.1
	C	6	1.68	50.4	33.6	25.2	20.2	16.8	14.4	12.6	11.2	10.1	9.2	8.4	7.8	7.2	6.7
	C	7	1.81	54.3	36.2	27.2	21.7	18.1	15.5	13.6	12.1	10.9	9.9	9.1	8.4	7.8	7.2
	M	8	1.94	58.2	38.8	29.1	23.3	19.4	16.6	14.6	12.9	11.6	10.6	9.7	9.0	8.3	7.8
04	XC	1	0.91	27.3	18.2	13.7	10.9	9.1	7.8	6.8	6.1	5.5	5.0	4.6	4.2	3.9	3.6
	XC	1.5	1.12	33.6	22.4	16.8	13.4	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5
	XC	2	1.29	38.7	25.8	19.4	15.5	12.9	11.1	9.7	8.6	7.7	7.0	6.5	6.0	5.5	5.2
	VC	3	1.58	47.4	31.6	23.7	19.0	15.8	13.5	11.9	10.5	9.5	8.6	7.9	7.3	6.8	6.3
	VC	4	1.82	54.6	36.4	27.3	21.8	18.2	15.6	13.7	12.1	10.9	9.9	9.1	8.4	7.8	7.3
	C	5	2.04	61.2	40.8	30.6	24.5	20.4	17.5	15.3	13.6	12.2	11.1	10.2	9.4	8.7	8.2
	C	6	2.23	66.9	44.6	33.5	26.8	22.3	19.1	16.7	14.9	13.4	12.2	11.2	10.3	9.6	8.9
	C	7	2.41	72.3	48.2	36.2	28.9	24.1	20.7	18.1	16.1	14.5	13.1	12.1	11.1	10.3	9.6
	M	8	2.58	77.4	51.6	38.7	31.0	25.8	22.1	19.4	17.2	15.5	14.1	12.9	11.9	11.1	10.3
05	XC	1	1.14	34.2	22.8	17.1	13.7	11.4	9.8	8.6	7.6	6.8	6.2	5.7	5.3	4.9	4.6
	XC	1.5	1.39	41.7	27.8	20.9	16.7	13.9	11.9	10.4	9.3	8.3	7.6	7.0	6.4	6.0	5.6
	XC	2	1.61	48.3	32.2	24.2	19.3	16.1	13.8	12.1	10.7	9.7	8.8	8.1	7.4	6.9	6.4
	VC	3	1.97	59.1	39.4	29.6	23.6	19.7	16.9	14.8	13.1	11.8	10.7	9.9	9.1	8.4	7.9
	C	4	2.28	68.4	45.6	34.2	27.4	22.8	19.5	17.1	15.2	13.7	12.4	11.4	10.5	9.8	9.1
	C	5	2.55	76.5	51.0	38.3	30.6	25.5	21.9	19.1	17.0	15.3	13.9	12.8	11.8	10.9	10.2
	C	6	2.79	83.7	55.8	41.9	33.5	27.9	23.9	20.9	18.6	16.7	15.2	14.0	12.9	12.0	11.2
	M	7	3.01	90.3	60.2	45.2	36.1	30.1	25.8	22.6	20.1	18.1	16.4	15.1	13.9	12.9	12.0
	M	8	3.22	96.6	64.4	48.3	38.6	32.2	27.6	24.2	21.5	19.3	17.6	16.1	14.9	13.8	12.9
06	XC	1	1.36	40.8	27.2	20.4	16.3	13.6	11.7	10.2	9.1	8.2	7.4	6.8	6.3	5.8	5.4
	XC	1.5	1.67	50.1	33.4	25.1	20.0	16.7	14.3	12.5	11.1	10.0	9.1	8.4	7.7	7.2	6.7
	VC	2	1.93	57.9	38.6	29.0	23.2	19.3	16.5	14.5	12.9	11.6	10.5	9.7	8.9	8.3	7.7
	C	3	2.36	70.8	47.2	35.4	28.3	23.6	20.2	17.7	15.7	14.2	12.9	11.8	10.9	10.1	9.4
	C	4	2.73	81.9	54.6	41.0	32.8	27.3	23.4	20.5	18.2	16.4	14.9	13.7	12.6	11.7	10.9
	C	5	3.05	91.5	61.0	45.8	36.6	30.5	26.1	22.9	20.3	18.3	16.6	15.3	14.1	13.1	12.2
	M	6	3.34	100.2	66.8	50.1	40.1	33.4	28.6	25.1	22.3	20.0	18.2	16.7	15.4	14.3	13.4
	M	7	3.61	108.3	72.2	54.2	43.3	36.1	30.9	27.1	24.1	21.7	19.7	18.1	16.7	15.5	14.4
	M	8	3.86	115.8	77.2	57.9	46.3	38.6	33.1	29.0	25.7	23.2	21.1	19.3	17.8	16.5	15.4
08	XC	1.5	2.23	66.9	44.6	33.5	26.8	22.3	19.1	16.7	14.9	13.4	12.2	11.2	10.3	9.6	8.92
	XC	2	2.58	77.4	51.6	38.7	31.0	25.8	22.1	19.4	17.2	15.5	14.1	12.9	11.9	11.1	10.3
	VC	3	3.16	94.8	63.2	47.4	37.9	31.6	27.1	23.7	21.1	19.0	17.2	15.8	14.6	13.5	12.6
	C	4	3.65	109.5	73.0	54.8	43.8	36.5	31.3	27.4	24.3	21.9	19.9	18.3	16.8	15.6	14.6
	C	5	4.08	122.4	81.6	61.2	49.0	40.8	35.0	30.6	27.2	24.5	22.3	20.4	18.8	17.5	16.3
	M	6	4.47	134.1	89.4	67.1	53.6	44.7	38.3	33.5	29.8	26.8	24.4	22.4	20.6	19.2	17.9
	M	7	4.83	144.9	96.6	72.5	58.0	48.3	41.4	36.2	32.2	29.0	26.3	24.2	22.3	20.7	19.3
	M	8	5.19	155.7	103.8	77.9	62.3	51.9	44.5	38.9	34.6	31.14	28.3	26.0	24.0	22.2	20.8

Features	
Common Use	Plant Health
Pattern	Tapered Flat Fan
Technology	Air Induction
Material	Ceramic
Spray Angle	Front 120° Back 90°
Configuration	In-Cap

Application Selection Guide	
Foliar Contact	Excellent
Foliar Systemic	Excellent
Soil Applied	Excellent

Part Numbers
Nozzles 120°
AULDC120-02
AULDC120-025
AULDC120-03
AULDC120-04
AULDC120-05
AULDC120-06
AULDC120-08

Replacement Cap Gasket	
TS01-50	50# strainer for size 04-08
TS01-100	100# strainer for size 02-03

Fertilizer Herbicide Fungicide Insecticide