

# LO-DRIFT 80° & 110°



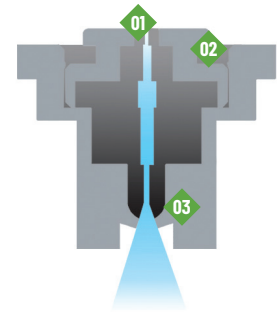
The Lo-Drift is the original drift-reducing nozzle. The special two-part construction includes a pre-orifice, which reduces the number of drift prone droplets.

- ◆ Significantly reduces spray drift, widening the operational window
- ◆ Balanced droplet size for effective, on-target spray
- ◆ PWM system compatible

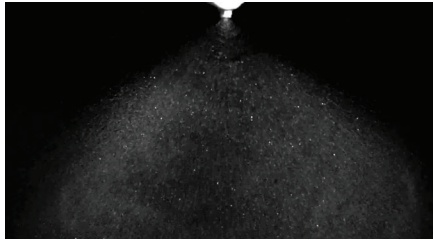
## US UNITS

Nozzle Size	Droplet Size		Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing										GAL/1000 Ft <sup>2</sup> 20 inch nozzle spacing			
	80°	110°			MPH										2	3	4	5
					4	5	6	8	10	12	15	20						
015	M	M	20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15		
	M	M	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18		
	M	M	40	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20		
	M	F	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23		
	M	F	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25		
	M	F	70	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27		
02	C	M	20	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19		
	C	M	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23		
	M	F	40	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27		
	M	F	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30		
	M	F	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33		
	M	F	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35		
025	-	M	20	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25		
	-	M	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30		
	-	M	40	0.25	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34		
	-	M	50	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38		
	-	M	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42		
	-	M	70	0.33	24.5	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.13	0.75	0.56	0.45		
03	C	C	20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29		
	C	M	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35		
	C	M	40	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41		
	M	M	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46		
	M	M	60	0.37	27.5	22.0	18.3	13.7	11.0	9.2	7.3	5.5	1.26	0.84	0.63	0.50		
	M	M	70	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55		
04	C	C	20	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38		
	C	M	30	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48		
	C	M	40	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55		
	M	M	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61		
	M	M	60	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.11	0.84	0.67		
	M	M	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72		
05	C	C	20	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48		
	C	C	30	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.5	6.4	1.47	0.98	0.73	0.59		
	C	M	40	0.50	37.1	29.7	24.8	18.6	14.9	12.4	9.9	7.4	1.71	1.14	0.85	0.68		
	C	M	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76		
	C	M	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83		
	M	F	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90		
06	VC	VC	20	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57		
	VC	C	30	0.52	38.6	30.9	25.7	19.3	15.4	12.9	10.3	7.7	1.77	1.18	0.89	0.71		
	C	M	40	0.60	44.6	35.6	29.7	22.3	17.8	14.9	11.9	8.9	2.05	1.36	1.02	0.82		
	C	M	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91		
	C	M	60	0.73	54.2	43.4	36.1	27.1	21.7	18.1	14.5	10.8	2.49	1.66	1.24	1.00		
	C	M	70	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08		
08	XC	VC	20	0.57	42.3	33.9	28.2	21.2	16.9	14.1	11.3	8.5	1.94	1.30	0.97	0.78		
	VC	C	30	0.69	51.2	41.0	34.2	25.6	20.5	17.1	13.7	10.2	2.35	1.57	1.18	0.94		
	VC	C	40	0.80	59.4	47.5	39.6	29.7	23.8	19.8	15.8	11.9	2.73	1.82	1.36	1.09		
	C	M	50	0.89	66.1	52.9	44.1	33.0	26.4	22.0	17.6	13.2	3.03	2.02	1.52	1.21		
	C	M	60	0.98	72.8	58.2	48.5	36.4	29.1	24.3	19.4	14.6	3.34	2.23	1.67	1.34		
	C	M	70	1.06	78.7	63.0	52.5	39.4	31.5	26.2	21.0	15.7	3.61	2.41	1.81	1.45		

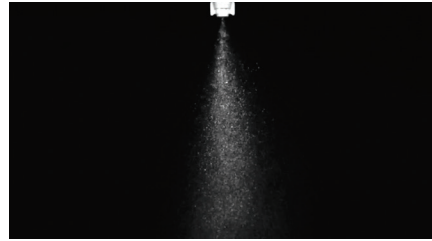
Droplet size based on ASABE S572.1 standard.



01. Non-Air Inducted; Pre-orifice design for excellent performance with suspension solutions
02. Dual component construction  
Material: Polyacetal



110° wide, drift reducing design that is excellent for suspension based tank mixes.



Pre-orifice design limits the formation of small droplets; reducing drift potential with a medium droplet spectrum.



See <http://pentair.com/certifications> for the latest drift reduction standard information.

## METRIC UNITS

Nozzle Size	ASABE Droplet Size		Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha - 50 cm spacing KM/H								Drift Reduction Standards
	80°	110°			7	8	10	12	15	20	25	30	LERAP
015	M	M	2	0.49	84	74	59	49	39	29	24	20	
	M	M	3	0.60	103	90	72	60	48	36	29	24	
	M	F	4	0.69	118	104	83	69	55	41	33	28	
02	C	M	2	0.65	111	98	78	65	52	39	31	26	
	M	F	3	0.80	137	120	96	80	64	48	38	32	
	M	F	4	0.92	158	138	110	92	74	55	44	37	
025	-	M	2	0.82	141	123	98	82	66	49	39	33	
	-	M	3	1.00	171	150	120	100	80	60	48	40	
	-	F	4	1.15	197	173	138	115	92	69	55	46	
03	C	M	2	0.98	168	147	118	98	78	59	47	39	
	C	M	3	1.20	206	180	144	120	96	72	58	48	
	M	M	4	1.39	238	209	167	139	111	83	67	56	
04	C	M	2	1.31	225	197	157	131	105	79	63	52	
	C	M	3	1.60	274	240	192	160	128	96	77	64	
	M	M	4	1.85	317	278	222	185	148	111	89	74	
05	C	C	2	1.63	279	245	196	163	130	98	78	65	
	C	M	3	2.00	343	300	240	200	160	120	96	80	
	C	M	4	2.31	396	347	277	231	185	139	111	92	
06	VC	C	2	1.96	336	294	235	196	157	118	94	78	★★★ 75% + 2.0-3.0 BAR
	C	M	3	2.40	411	360	288	240	192	144	115	96	
	C	M	4	2.77	475	416	332	277	222	166	133	111	
08	VC	C	2	2.61	447	392	313	261	209	157	125	104	
	VC	C	3	3.20	549	480	384	320	256	192	154	128	
	C	M	4	3.70	634	555	444	370	296	222	178	148	

Droplet size based on ASABE S572.1 standard.

Features	
Common Use	Plant Health
Pattern	Tapered Flat Fan
Technology	Pre-Orifice
Material	Polyacetal
Spray Angle	80° & 110°
Pressure Range	20-70 PSI (1-5 BAR)
Configuration	Nozzles, FastCap
Optimum Boom Height	
80° - 15" (35 cm) Spacing	22" (56 cm)
80° - 20" (50 cm) Spacing	30" (76 cm)
110° - 15" (35 cm) Spacing	15" (35 cm)
110° - 20" (50 cm) Spacing	20" (50 cm)
Part Numbers	
Nozzles 80°	Caps (25 Packs)
LD80-015	CAP00-015
LD80-02	CAP00-02
LD80-03	CAP00-03
LD80-04	CAP00-04
LD80-05	CAP00-05
LD80-06	CAP00-06
LD80-08	CAP00-08
Nozzles 110°	Caps (25 Packs)
LD110-015	CAP00-015
LD110-02	CAP00-02
LD110-025*	CAP00-025
LD110-03	CAP00-03
LD110-04*	CAP00-04
LD110-05*	CAP00-05
LD110-06*	CAP00-06
LD110-08	CAP00-08

\*Approved by JKI