

VARIABLE PRESSURE 80° & 110°

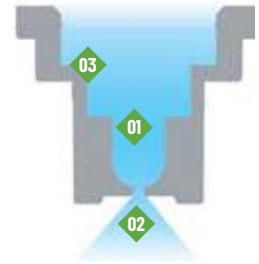


Variable Pressure nozzle maintain a consistent spray angle over a wide pressure range down to 20 PSI (1 BAR) and are available in 80° and 110° versions to work with different boom heights.

- ◆ Adjustable droplet size according to pressure
- ◆ Maintains good spray distribution and makes larger droplets at low pressures
- ◆ FastCap includes nozzle, cap and gasket
- ◆ Excellent nozzle for a wide variety of herbicide and insecticide applications
- ◆ PWM system compatible

US UNITS

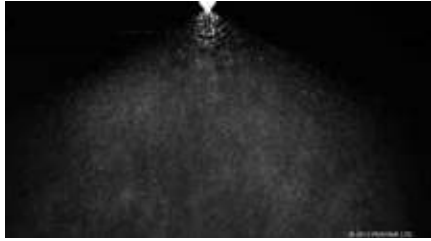
Nozzle Size	Droplet Size		Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing								GAL/1000ft ² 20 inch nozzle spacing				
	80°	110°			MPH								2	3	4	5	
015	-	-	20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15	
	F	F	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18	
	F	F	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	
	F	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	
	F	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	
	VF	VF	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	-	-	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	
	F	F	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	
	F	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	
	F	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	
	F	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	
	F	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	
	-	F	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	
	-	F	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	
	-	F	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	
	-	F	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	
	-	F	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	M	M	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	
	F	F	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	
	F	F	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	
	F	F	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	
	F	F	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	
	F	F	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	
035	-	M	20	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	30	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	
	-	F	40	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	
	-	F	50	0.39	29.0	23.2	19.3	14.5	11.6	9.7	7.7	5.8	1.33	0.89	0.66	0.53	
	-	F	60	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	
	-	F	70	0.46	34.2	27.3	22.8	17.1	13.7	11.4	9.1	6.8	1.57	1.05	0.78	0.63	
04	C	M	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	
	M	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	
	M	F	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	
	F	F	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	
	F	F	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	
	F	F	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	M	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	M	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	
	M	F	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	
	M	F	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	
	M	F	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	C	M	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	
	C	M	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	
	M	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	
	M	F	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	
	M	F	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	
	M	F	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	-	C	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	
	-	M	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	
	-	M	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	
	-	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	
	-	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	
	-	F	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	
10	-	C	20	0.71	52.7	42.2	35.1	26.4	21.1	17.6	14.1	10.5	2.42	1.61	1.21	0.97	
	-	M	30	0.87	64.6	51.7	43.1	32.3	25.8	21.5	17.2	12.9	2.97	1.98	1.48	1.19	
	-	M	40	1.00	74.3	59.4	49.5	37.1	29.7	24.8	19.8	14.9	3.41	2.27	1.71	1.36	
	-	M	50	1.12	83.2	66.5	55.4	41.6	33.3	27.7	22.2	16.6	3.82	2.55	1.91	1.53	
	-	M	60	1.22	90.6	72.5	60.4	45.3	36.2	30.2	24.2	18.1	4.16	2.77	2.08	1.66	
	-	F	70	1.32	98.0	78.4	65.3	49.0	39.2	32.7	26.1	19.6	4.50	3.00	2.25	1.80	
15	-	C	20	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	
	-	C	30	1.30	96.5	77.2	64.4	48.3	38.6	32.2	25.7	19.3	4.43	2.96	2.22	1.77	
	-	M	40	1.50	111	89.1	74.3	55.7	44.6	37.1	29.7	22.3	5.12	3.41	2.56	2.05	
	-	M	50	1.68	125	99.8	83.2	62.4	49.9	41.6	33.3	24.9	5.73	3.82	2.86	2.29	
	-	M	60	1.84	137	109	91.1	68.3	54.6	45.5	36.4	27.3	6.27	4.18	3.14	2.51	
	-	M	70	1.98	147	118	98.0	73.5	58.8	49.0	39.2	29.4	6.75	4.50	3.38	2.70	



01. Non-Air Inducted; single inlet/outlet design
02. Fully formed spray pattern at low pressures
03. Enhanced polyacetal for superior product life

Droplet size based on ASABE S572.1 standard.

VARIABLE PRESSURE 80° & 110°



Low pressure performance allows for complete pattern formation and even coverage down to 15 psi (1 BAR).



Dense spray pattern of medium to fine droplets provides superior coverage.

METRIC UNITS

Nozzle Size	ASEBE Droplet Size		Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha - 50 cm spacing							
	80°	110°			KM/H							
	7	8			10	12	15	20	25	30		
015	-	-	1	0.35	60	53	42	35	28	21	17	14
	-	-	1.5	0.42	72	63	50	42	34	25	20	17
	F	F	2	0.49	84	74	59	49	39	29	24	20
	F	F	3	0.60	103	90	72	60	48	36	29	24
	VF	VF	4	0.69	118	104	83	69	55	41	33	28
02	-	-	1	0.46	79	69	55	46	37	28	22	18
	-	-	1.5	0.57	98	86	68	57	46	34	27	23
	F	F	2	0.65	111	98	78	65	52	39	31	26
	F	F	3	0.80	137	120	96	80	64	48	38	32
	F	F	4	0.92	158	138	110	92	74	55	44	37
025	-	-	1	0.58	99	87	70	58	46	35	28	23
	-	M	1.5	0.71	122	107	85	71	57	43	34	28
	-	F	2	0.82	141	123	98	82	66	49	39	33
	-	F	3	1.00	171	150	120	100	80	60	48	40
	-	F	4	1.15	197	173	138	115	92	69	55	46
03	-	F	5	1.29	221	194	155	129	103	77	62	52
	C	M	1	0.69	118	104	83	69	55	41	33	28
	M	M	1.5	0.85	146	128	102	85	68	51	41	34
	M	F	2	0.98	168	147	118	98	78	59	47	39
	F	F	3	1.20	206	180	144	120	96	72	58	48
035	-	F	4	1.39	238	209	167	139	111	83	67	56
	-	F	5	1.55	266	233	186	155	124	93	74	62
	-	M	1	0.81	139	122	97	81	65	49	39	32
	-	M	1.5	0.99	170	149	119	99	79	59	48	40
	-	M	2	1.14	195	171	137	114	91	68	55	46
04	-	F	3	1.40	240	210	168	140	112	84	67	56
	-	F	4	1.62	278	243	194	162	130	97	78	65
	-	F	5	1.81	310	272	217	181	145	109	87	72
	C	M	1	0.92	158	138	110	92	74	55	44	37
	C	M	1.5	1.13	194	170	136	113	90	68	54	45
05	M	M	2	1.31	225	197	157	131	105	79	63	52
	M	F	3	1.60	274	240	192	160	128	96	77	64
	F	F	4	1.85	317	278	222	185	148	111	89	74
	F	F	5	2.07	355	311	248	207	166	124	99	83
	C	M	1	1.15	197	173	138	115	92	69	55	46
06	C	M	1.5	1.41	242	212	169	141	113	85	68	56
	C	M	2	1.63	279	245	196	163	130	98	78	65
	M	F	3	2.00	343	300	240	200	160	120	96	80
	M	F	4	2.31	396	347	277	231	185	139	111	92
	M	F	5	2.58	442	387	310	258	206	155	124	103
08	C	C	1	1.39	238	209	167	139	111	83	67	56
	C	M	1.5	1.70	291	255	204	170	136	102	82	68
	C	M	2	1.96	336	294	235	196	157	118	94	78
	M	M	3	2.40	411	360	288	240	192	144	115	96
	M	F	4	2.77	475	416	332	277	222	166	133	111
10	M	F	5	3.10	531	465	372	310	248	186	149	124
	-	C	1	1.85	317	278	222	185	148	111	89	74
	-	C	1.5	2.26	387	339	271	226	181	136	108	90
	-	M	2	2.61	447	392	313	261	209	157	125	104
	-	M	3	3.20	549	480	384	320	256	192	154	128
15	-	M	4	3.70	634	555	444	370	296	222	178	148
	-	F	5	4.13	708	620	496	413	330	248	198	165
	-	C	1	2.31	396	347	277	231	185	139	111	92
	-	C	1.5	2.83	485	425	340	283	226	170	136	113
	-	M	2	3.27	561	491	392	327	262	196	157	131
15	-	M	3	4.00	686	600	480	400	320	240	192	160
	-	M	4	4.62	792	693	554	462	370	277	222	185
	-	F	5	5.16	885	774	619	516	413	310	248	206
	-	VC	1	3.46	593	519	415	346	277	208	166	138
	-	C	1.5	4.24	727	636	509	424	339	254	204	170
15	-	C	2	4.90	840	735	588	490	392	294	235	196
	-	M	3	6.00	1029	900	720	600	480	360	288	240
	-	M	4	6.93	1188	1040	832	693	554	416	333	277
	-	M	5	7.75	1329	1163	930	775	620	465	372	310

Droplet size based on ASABE S572.1 standard.

Features	
Common Use	General
Pattern	Tapered Flat Fan
Technology	Elliptical 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 (Bags of 10)	
Nozzles 80°	FastCaps 80°
VP80-015	FC-VP80-015
VP80-02	FC-VP80-02
VP80-03	FC-VP80-03
VP80-04	FC-VP80-04
VP80-05	FC-VP80-05
VP80-06	FC-VP80-06
Nozzles 110°	FastCaps 110°
VP110-015	FC-VP110-015
VP110-02	FC-VP110-02
VP110-025	FC-VP110-025
VP110-03*	FC-VP110-03
VP110-035	FC-VP110-035
VP110-04*	FC-VP110-04
VP110-05*	FC-VP110-05
VP110-06	FC-VP110-06
VP110-08	FC-VP110-08
VP110-10	FC-VP110-10
VP110-15	FC-VP110-15
Replacement Cap Gasket	
10BG-2270-0150	

*Approved by JKI