

Variable Pressure 80° & 110°

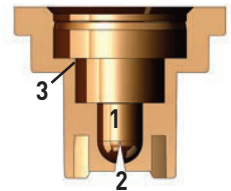


Variable Pressure tips maintain a consistent spray angle over a wide pressure range down to 15 PSI (1 BAR) and are available in 80° and 110° versions to work with different boom heights.

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

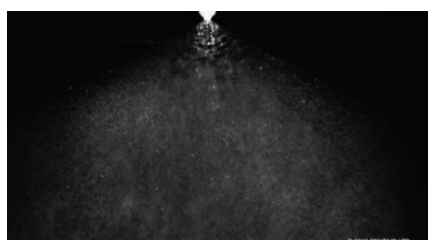
US Units

Tip Size	Droplet Size		Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing								GAL/1000ft ²			
	80°	110°			MPH								20 inch nozzle spacing			
015	M	M	15	0.09	6.7	5.3	4.5	3.3	2.7	2.2	1.8	1.3	0.31	0.20	0.15	0.12
	M	F	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
	F	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	M	M	15	0.12	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	M	F	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	15	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	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	15	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	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
	M	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	15	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
	-	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
	-	F	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	15	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	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	F	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	15	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
	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
	M	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
	F	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	C	15	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
	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	F	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	15	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
	-	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
	-	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
10	-	VC	15	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
	-	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
	-	C	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
	-	M	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	-	VC	15	0.92	68.3	54.6	45.5	34.2	27.3	22.8	18.2	13.7	3.14	2.09	1.57	1.25
	-	VC	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
	-	VC	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
	-	C	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
	-	C	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

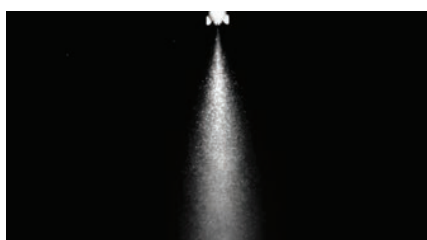


1. Non-Air Inducted; single inlet/ outlet design
2. Fully formed spray pattern at low pressures
3. Enhanced polyacetal for superior product life

Droplet size based on ASABE S572.1 standard.



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.



See www.hypospraytips.com/certifications for the latest drift reduction standard information.

Metric Units

Tip Size	BCPC Droplet Size		ASEBE Droplet Size		Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha -50 cm spacing KM/H							
	80°	110°	80°	110°			7	8	10	12	15	20	25	30
015	M	F	M	M	1	0,35	60	53	42	35	28	21	17	14
	M	F	M	F	1,5	0,42	72	63	50	42	34	25	20	17
	F	F	F	F	2	0,49	84	74	59	49	39	29	24	20
	F	F	F	F	3	0,60	103	90	72	60	48	36	29	24
	F	F	F	F	4	0,69	118	104	83	69	55	41	33	28
02	F	F	F	F	5	0,77	132	116	92	77	62	46	37	31
	M	F	M	M	1	0,46	79	69	55	46	37	28	22	18
	M	F	M	F	1,5	0,57	98	86	68	57	46	34	27	23
	F	F	F	F	2	0,65	111	98	78	65	52	39	31	26
	F	F	F	F	3	0,80	137	120	96	80	64	48	38	32
025	F	F	F	F	4	0,92	158	138	110	92	74	55	44	37
	F	F	F	F	5	1,03	177	155	124	103	82	62	49	41
	-	M	-	M	1	0,58	99	87	70	58	46	35	28	23
	-	M	-	M	1,5	0,71	122	107	85	71	57	43	34	28
	-	F	-	F	2	0,82	141	123	98	82	66	49	39	33
03	-	F	-	F	3	1,00	171	150	120	100	80	60	48	40
	-	F	-	F	4	1,15	197	173	138	115	92	69	55	46
	-	F	-	F	5	1,29	221	194	155	129	103	77	62	52
	C	M	M	M	1	0,69	118	104	83	69	55	41	33	28
	C	M	M	M	1,5	0,85	146	128	102	85	68	51	41	34
035	M	F	M	F	2	0,98	168	147	118	98	78	59	47	39
	F	F	F	F	3	1,20	206	180	144	120	96	72	58	48
	F	F	F	F	4	1,39	238	209	167	139	111	83	67	56
	F	F	F	F	5	1,55	266	233	186	155	124	93	74	62
	-	C	-	M	1	0,81	139	122	97	81	65	49	39	32
04	-	C	-	M	1,5	0,99	170	149	119	99	79	59	48	40
	-	M	-	M	2	1,14	195	171	137	114	91	68	55	46
	-	M	-	F	3	1,40	240	210	168	140	112	84	67	56
	-	F	-	F	4	1,62	278	243	194	162	130	97	78	65
	-	F	-	F	5	1,81	310	272	217	181	145	109	87	72
05	C	C	C	M	1	0,92	158	138	110	92	74	55	44	37
	C	C	C	M	1,5	1,13	194	170	136	113	90	68	54	45
	M	M	M	M	2	1,31	225	197	157	131	105	79	63	52
	M	M	M	F	3	1,60	274	240	192	160	128	96	77	64
	M	F	F	F	4	1,85	317	278	222	185	148	111	89	74
06	M	F	F	F	5	2,07	355	311	248	207	166	124	99	83
	C	C	C	M	1	1,15	197	173	138	115	92	69	55	46
	C	C	C	M	1,5	1,41	242	212	169	141	113	85	68	56
	C	M	M	M	2	1,63	279	245	196	163	130	98	78	65
	M	M	M	F	3	2,00	343	300	240	200	160	120	96	80
08	M	M	M	F	4	2,31	396	347	277	231	185	139	111	92
	M	F	F	F	5	2,58	442	387	310	258	206	155	124	103
	C	C	C	C	1	1,39	238	209	167	139	111	83	67	56
	C	C	C	C	1,5	1,70	291	255	204	170	136	102	82	68
	C	M	C	M	2	1,96	336	294	235	196	157	118	94	78
10	M	M	M	C	3	2,40	411	360	288	240	192	144	115	96
	M	M	M	F	4	2,77	475	416	332	277	222	166	133	111
	M	M	M	M	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
15	-	-	-	M	2	2,61	447	392	313	261	209	157	125	104
	-	-	-	M	3	3,20	549	480	384	320	256	192	154	128
	-	-	-	M	4	3,70	634	555	444	370	296	222	178	148
	-	-	-	M	5	4,13	708	620	496	413	330	248	198	165
	-	-	-	VC	1	2,31	396	347	277	231	185	139	111	92
15	-	-	-	VC	1,5	2,83	485	425	340	283	226	170	136	113
	-	-	-	C	2	3,27	561	491	392	327	262	196	157	131
	-	-	-	M	3	4,00	686	600	480	400	320	240	192	160
	-	-	-	M	4	4,62	792	693	554	462	370	277	222	185
	-	-	-	M	5	5,16	885	774	619	516	413	310	248	206
15	-	-	-	VC	1	3,46	593	519	415	346	277	208	166	138
	-	-	-	VC	1,5	4,24	727	636	509	424	339	254	204	170
	-	-	-	VC	2	4,90	840	735	588	490	392	294	235	196
	-	-	-	C	3	6,00	1029	900	720	600	480	360	288	240
	-	-	-	M	4	6,93	1188	1040	832	693	554	416	333	277
15	-	-	-	M	5	7,75	1329	1163	930	775	620	465	372	310

BCPC CODING FINE MEDIUM COARSE

BCPC droplet size based on BCPC standard.

ASABE 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	15-70 PSI (1-5 BAR)
Configuration	Tips, FastCap
Part Numbers	
Tips 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
Tips 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	
22W11MF64	

*Approved by JKI

Country	UK			France	Germany				Netherlands
Website	www.pesticides.gov.uk			www.irstea.fr	www.jki.bund.de				www.helpdeskwater.nl
Testing standard	1* LERAP	2* LERAP	3* LERAP	Z.N.T.	JKI (formerly BBA)				TCT
Drift reference nozzle	FF110° blue 03 at 3 bar			FF110° yellow 02 at 2.5 bar		FF 110° blue 03 / 110° lilac 025 at 3 bar LD			FF110° blue 03 at 3 bar
Drift reduction	25-50%	50-75%	75% +	66%	Ref#	50%	75%	90%	75%
GuardianAIR™ Twin 02	2.25 - 2.5	2.0 - 2.25		2.0 - 2.5*					
GuardianAIR™ Twin 025	2.25 - 2.5	2.0 - 2.25		2.0 - 2.5*	G-1872	2.0 - 2.5			
GuardianAIR™ Twin 03	3.0 - 4.0	2.0 - 3.0		2.0 - 3.5*	G-1874	2.0 - 3.0			
GuardianAIR™ Twin 035	NEW	NEW		NEW	NEW	NEW			
GuardianAIR™ Twin 04	2.0 - 3.0	-		2.0 - 3.0*	G-1875	2.0 - 2.5			
GuardianAIR™ Twin 05	3.0 - 3.5	2.0 - 3.0		2.0 - 3.5*	G-1876	2.0 - 3.0			
GuardianAIR™ Twin 06	3.0 - 3.5	2.0 - 3.0		2.0 - 3.5*	G-1877	2.0 - 4.0			
GuardianAIR™ Twin 08	3.0 - 4.0	2.0 - 3.0		2.0 - 3.5*	G-1878	2.0 - 6.0			
GuardianAIR™ 015		1.3 - 2.0	1.0 - 1.25	1.0 - 2.0					1.0 - 1.25
GuardianAIR™ 02		1.3 - 2.0	1.0 - 1.25	1.0 - 3.0	G-1812	1.0 - 2.0*			1.0 - 1.25
GuardianAIR™ 025		1.6 - 2.5	1.0 - 1.5	1.0 - 3.0	G-1817	2.0 - 2.5			1.0 - 1.5
GuardianAIR™ 03		1.6 - 2.5	1.0 - 1.5	1.0 - 4.0	G-1813	1.6 - 2.5	1.0 - 1.5		1.0 - 1.5
GuardianAIR™ 035		1.6 - 4.0	1.0 - 1.5	1.0 - 4.0	G-1811	1.6 - 2.5	1.0 - 1.5		1.0 - 1.5
GuardianAIR™ 04		1.6 - 4.0	1.0 - 1.5	1.0 - 4.0	G-1814	1.6 - 2.5	1.0 - 1.5		1.0 - 1.5
GuardianAIR™ 05		1.6 - 4.0	1.0 - 1.5	1.0 - 4.0	G-1815	1.6 - 2.5	1.0 - 1.5		1.0 - 1.5
Ultra Low drift 03					G-1778	2.5 - 8.0			
Ultra Low drift 04					G-1779		3.1 - 8.0	2.5 - 3.0*	
Ultra Low drift 05					G-1780			2.5 - 8.0	
DriftBETA 015			2.0	2.0					2.0
DriftBETA 02			2.0	2.0					2.0
DriftBETA 025			2.0	2.0					
DriftBETA 03			2.0 - 3.0	2.0 - 3.0					2.0 - 3.0
DriftBETA 04			2.0 - 3.0	2.0 - 3.0					2.0 - 3.0
DriftBETA 05			2.0 - 6.0	2.0 - 6.0					2.0 - 6.0
DriftBETA 06			2.0 - 6.0	2.0 - 6.0					2.0 - 6.0
Lo-Drift 06			2.0 - 3.0		G-1862				2.0 - 3.0

* These JKI and Z.N.T. approvals or drift ratings are provisional, awaiting confirmation and publication in official approvals lists.

In addition VP03 (G-1852), VP04 (G-1853), VP05 (G-1854), LD025 (G-1857), LD04 (G-1860) and LD05 (G-1861) hold JKI approvals without drift classification.