

GUARDIANAIR TWIN 110°

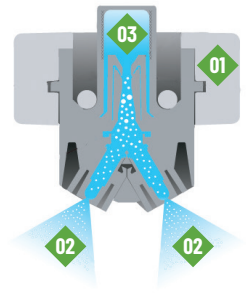


GuardianAIR Twin spray nozzles are the best choice for high coverage applications where on-target spray delivery is important. They are ideal for low crops with complex canopies, such as vegetables, where thorough coverage of the target and protection of the surroundings are of high importance.

- ◆ High-coverage forward and rear facing fans provide coverage on both sides of target.
- ◆ Engineered to provide better coverage with more drops per gallon or litre compared to other air-induced sprays
- ◆ Easy-to-install, patent-pending locking ring and o-ring seal design
- ◆ FastCap complete includes nozzle, cap, gasket and is available with or without a filter

US UNITS

Nozzle Size	Droplet Size	Pressure (PSI)	Flow Rate (GPM)	Speed (MPH) - 20 inch nozzle spacing															
				Gallons per Acre															
				2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40
02	C	30	0.17	20.6	10.3	6.9	5.1	4.1	3.4	2.9	2.6	2.3	2.1	1.9	1.7	1.6	1.5	1.4	1.3
	M	40	0.20	23.8	11.9	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2	2.0	1.8	1.7	1.6	1.5
	M	50	0.22	26.6	13.3	8.9	6.6	5.3	4.4	3.8	3.3	3.0	2.7	2.4	2.2	2.0	1.9	1.8	1.7
	M	60	0.24	29.1	14.5	9.7	7.3	5.8	4.8	4.2	3.6	3.2	2.9	2.6	2.4	2.2	2.1	1.9	1.8
	M	70	0.26	-	15.7	10.5	7.9	6.3	5.2	4.5	3.9	3.5	3.1	2.9	2.6	2.4	2.2	2.1	2.0
	M	80	0.28	-	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	2.1
025	UC	30	0.22	25.7	12.9	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6	2.3	2.1	2.0	1.8	1.7	1.6
	VC	40	0.25	29.7	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7	2.5	2.3	2.1	2.0	1.9
	C	50	0.28	-	16.6	11.1	8.3	6.6	5.5	4.7	4.2	3.7	3.3	3.0	2.8	2.6	2.4	2.2	2.1
	M	60	0.31	-	18.2	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6	3.3	3.0	2.8	2.6	2.4	2.3
	M	70	0.33	-	19.6	13.1	9.8	7.9	6.5	5.6	4.9	4.4	3.9	3.6	3.3	3.0	2.8	2.6	2.5
	M	80	0.35	-	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	2.6
03	VC	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	2.4	2.2	2.1	1.9
	C	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	2.7	2.5	2.4	2.2
	M	50	0.34	-	19.9	13.3	10.0	8.0	6.6	5.7	5.0	4.4	4.0	3.6	3.3	3.1	2.8	2.7	2.5
	M	60	0.37	-	21.8	14.5	10.9	8.7	7.3	6.2	5.5	4.8	4.4	4.0	3.6	3.4	3.1	2.9	2.7
	M	70	0.40	-	23.6	15.7	11.8	9.4	7.9	6.7	5.9	5.2	4.7	4.3	3.9	3.6	3.4	3.1	2.9
	M	80	0.42	-	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	3.2
035	XC	30	0.30	-	18.0	12.0	9.0	7.2	6.0	5.1	4.5	4.0	3.6	3.3	3.0	2.8	2.6	2.4	2.3
	C	40	0.35	-	20.8	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8	3.5	3.2	3.0	2.8	2.6
	C	50	0.39	-	23.2	15.5	11.6	9.3	7.7	6.6	5.8	5.2	4.6	4.2	3.9	3.6	3.3	3.1	2.9
	M	60	0.43	-	25.5	17.0	12.7	10.2	8.5	7.3	6.4	5.7	5.1	4.6	4.2	3.9	3.6	3.4	3.2
	M	70	0.46	-	27.5	18.3	13.8	11.0	9.2	7.9	6.9	6.1	5.5	5.0	4.6	4.2	3.9	3.7	3.4
	M	80	0.49	-	29.4	19.6	14.7	11.8	9.8	8.4	7.4	6.5	5.9	5.3	4.9	4.5	4.2	3.9	3.7
04	VC	30	0.35	-	20.6	13.7	10.3	8.2	6.9	5.9	5.1	4.6	4.1	3.7	3.4	3.2	2.9	2.7	2.6
	C	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	3.7	3.4	3.2	3.0
	C	50	0.45	-	26.6	17.7	13.3	10.6	8.9	7.6	6.6	5.9	5.3	4.8	4.4	4.1	3.8	3.5	3.3
	M	60	0.49	-	29.1	19.4	14.5	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.8	4.5	4.2	3.9	3.6
	M	70	0.53	-	31.0	21.0	15.7	12.6	10.5	9.0	7.9	7.0	6.3	5.7	5.2	4.8	4.5	4.2	3.9
	M	80	0.57	-	32.4	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	4.2
05	VC	30	0.43	-	25.7	17.1	12.9	10.3	8.6	7.3	6.4	5.7	5.1	4.7	4.3	4.0	3.7	3.4	3.2
	C	40	0.50	-	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	3.7
	C	50	0.56	-	32.1	21.6	16.6	13.3	11.1	9.5	8.3	7.4	6.6	6.0	5.5	5.1	4.7	4.4	4.2
	M	60	0.61	-	34.2	23.2	18.2	14.5	12.1	10.4	9.1	8.1	7.3	6.6	6.1	5.6	5.2	4.8	4.5
	M	70	0.66	-	36.2	24.6	19.6	15.7	13.1	11.2	9.8	8.7	7.9	7.1	6.5	6.0	5.6	5.2	4.9
	M	80	0.71	-	38.0	26.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4	7.6	7.0	6.5	6.0	5.6	5.3
06	VC	30	0.52	-	20.6	15.4	12.3	10.3	8.8	7.7	6.9	6.2	5.6	5.1	4.7	4.4	4.1	3.9	3.6
	C	40	0.60	-	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1	4.8	4.5	4.2
	C	50	0.67	-	26.6	19.9	15.9	13.3	11.4	10.0	8.9	8.0	7.2	6.6	6.1	5.7	5.3	5.0	4.7
	M	60	0.73	-	29.1	21.8	17.5	14.5	12.5	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.5	5.2
	M	70	0.79	-	31.0	23.6	18.9	15.7	13.5	11.8	10.5	9.4	8.6	7.9	7.3	6.7	6.3	5.9	5.6
	M	80	0.85	-	32.4	25.2	20.2	16.8	14.4	12.6	11.2	10.1	9.2	8.4	7.8	7.2	6.7	6.3	6.0
08	VC	30	0.69	-	27.4	20.6	16.5	13.7	11.8	10.3	9.1	8.2	7.5	6.9	6.3	5.9	5.5	5.1	4.8
	C	40	0.80	-	33.8	24.9	19.8	16.5	14.3	12.6	11.3	10.2	9.3	8.5	7.9	7.3	6.8	6.3	5.9
	C	50	0.89	-	36.6	27.3	21.7	18.1	15.7	13.9	12.5	11.3	10.3	9.4	8.6	7.9	7.3	6.8	6.3
	M	60	0.98	-	39.1	29.7	23.3	19.4	16.6	14.5	12.9	11.6	10.6	9.7	9.0	8.3	7.8	7.3	6.6
	M	70	1.06	-	41.0	31.6	24.6	20.7	17.7	15.4	13.7	12.3	11.1	10.1	9.3	8.6	8.0	7.5	7.0
	M	80	1.13	-	42.4	32.9	25.9	22.0	18.0	15.7	14.0	12.6	11.4	10.5	9.7	9.0	8.4	7.9	7.4

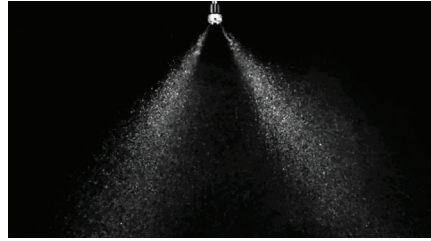


01. Integrated Locking Collar allows for precise and easy installation
02. Twin Air Inducted spray patterns (30° offset) for superior coverage
03. Available with or without filter options

Droplet size based on ASABE S572.1 standard.



110° air inducted spray pattern for class leading coverage on a variety of targets.



Sturdy twin 30° incline/decline patterns provide superior canopy penetration through pattern integrity.



Z.N.T.

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

METRIC UNITS

Nozzle Size	Droplet Size	Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha - 50 cm Spacing							Drift Reduction Standards			
				KM/H							LERAP	JKI	Z.N.T.	
				7	8	10	12	15	20	25				30
02	C	2	0.65	111	98	78	65	52	39	31	26	★★ 50-75% 2.0-2.25 BAR ★ 25-50% 2.25-2.5 BAR		66% 2.0-2.5 BAR
	M	3	0.80	137	120	96	80	64	48	38	32			
	M	4	0.92	158	138	110	92	74	55	44	37			
	M	5	1.03	177	155	124	103	82	62	49	41			
	M	6	1.13	194	170	136	113	90	68	54	45			
	F	7	1.22	209	183	146	122	98	73	59	49			
025	UC	2	0.82	141	123	98	82	66	49	39	33	★★ 50-75% 2.0-2.25 BAR ★ 25-50% 2.25-2.5 BAR	50% 2.0-2.5 BAR Ref # G-1872	66% 2.0-2.5 BAR
	VC	3	1.00	171	150	120	100	80	60	48	40			
	M	4	1.15	197	173	138	115	92	69	55	46			
	M	5	1.29	221	194	155	129	103	77	62	52			
	M	6	1.41	242	212	169	141	113	85	68	56			
	M	7	1.53	262	230	184	153	122	92	73	61			
03	VC	2	0.98	168	147	118	98	78	59	47	39	★★ 50-75% 2.0-3.0 BAR ★ 25-50% 3.0-4.0 BAR	50% 2.0-3.0 BAR Ref # G-1874	66% 2.0-3.0 BAR
	C	3	1.20	206	180	144	120	96	72	58	48			
	M	4	1.39	238	209	167	139	111	83	67	56			
	M	5	1.55	266	233	186	155	124	93	74	62			
	M	6	1.70	291	255	204	170	136	102	82	68			
	M	7	1.83	314	275	220	183	146	110	88	73			
035	XC	2	1.14	195	171	137	114	91	68	55	46	★★ 50-75% 2.0-2.5 BAR	75% 1.5-2.0 BAR 50% 2.1-3.0 BAR Ref # G-1988	
	C	3	1.40	240	210	168	140	112	84	67	56			
	M	4	1.62	278	243	194	162	130	97	78	65			
	M	5	1.81	310	272	217	181	145	109	87	72			
	M	6	1.98	339	297	238	198	158	119	95	79			
	M	7	2.14	367	321	257	214	171	128	103	86			
04	VC	2	1.29	225	197	157	131	105	79	63	52	★ 25-50% 2.0-3.0 BAR	50% 2.0-2.5 BAR Ref # G-1875	66% 2.0-3.0 BAR
	C	3	1.60	274	240	192	160	128	96	77	64			
	M	4	1.85	317	278	222	185	148	111	89	74			
	M	5	2.07	355	311	248	207	166	124	99	83			
	M	6	2.26	387	339	271	226	181	136	108	90			
	M	7	2.44	418	366	293	244	195	146	117	98			
05	VC	2	1.63	279	245	196	163	130	98	78	65	★★ 50-75% 2.0-3.0 BAR ★ 25-50% 3.0-3.5 BAR	50% 2.0-3.0 BAR Ref # G-1876	66% 2.0-3.0 BAR
	C	3	2.00	343	300	240	200	160	120	96	80			
	M	4	2.31	396	347	277	231	185	139	111	92			
	M	5	2.58	442	387	310	258	206	155	124	103			
	M	6	2.83	485	425	340	283	226	170	136	113			
	M	7	3.06	525	459	367	306	245	184	147	122			
06	C	2	1.96	336	294	235	196	157	118	94	78	★★ 50-75% 2.0-3.0 BAR ★ 25-50% 3.0-3.5 BAR	50% 2.0-4.0 BAR Ref # G-1877	66% 2.0-3.0 BAR
	C	3	2.40	411	360	288	240	192	144	115	96			
	M	4	2.77	475	416	332	277	222	166	133	111			
	M	5	3.10	531	465	372	310	248	186	149	124			
	M	6	3.39	581	509	407	339	271	203	163	136			
	M	7	3.67	629	551	440	367	294	220	176	147			
08	VC	2	2.61	447	392	313	261	209	157	125	104	★★ 50-75% 2.0-3.0 BAR ★ 25-50% 3.0-4.0 BAR	50% 2.0-6.0 BAR Ref # G-1878	66% 2.0-3.0 BAR
	C	3	3.20	549	480	384	320	256	192	154	128			
	C	4	3.70	634	555	444	370	296	222	178	148			
	M	5	4.13	708	620	496	413	330	248	198	165			
	M	6	4.53	777	680	544	453	362	272	217	181			
	M	7	4.89	838	734	587	489	391	293	235	196			
08	M	8	5.23	897	785	628	523	418	314	251	209			

Droplet size based on ASABE S572.1 standard.
Use at 3 bar for optimum coverage.

Features	
Common Use	Plant Health
Pattern	Tapered Flat Fan
Technology	Air Induction
Material	Polyacetal
Spray Angle	110°
Pressure Range	30-115 PSI (2-8 BAR)
Configuration	FastCap Complete
Optimum Boom Height	
15" (35 cm) Spacing	15" (35 cm)
20" (50 cm) Spacing	20" (50 cm)
Part Numbers (Bags of 10)	
FastCaps 110° with filter	FastCaps 110° without filter
GAT110-02	GAT110-02A
GAT110-025	GAT110-025A
GAT110-03	GAT110-03A
GAT110-035	GAT110-035A
GAT110-04	GAT110-04A
GAT110-05	GAT110-05A
GAT110-06	GAT110-06A
GAT110-08	GAT110-08A
Replacement Parts	
TS02-50	50 mesh strainer for all sizes
65-BS205	O-Ring
3003579A	Replaceable cage for non-filter versions

Available for order through HYPRO -EU only (Cambridge, UK)