

## New AD Series Ceramic Nozzles

**We're upgrading Nozzles for all Jacto AG sprayers**

**NEW!**

The AD series nozzles allow applications of a wide range of pressures, offering high performance and durability.

With a large number of combinations between 7 discs (AD) and 8 swirl cores (AC), the AD series provides variations in spray droplets, flow rate and angle to calibrate a sprayer more precisely. This allows the user to configure the application according to the size of the crop canopy and volume of application. The AD series nozzles provide excellent coverage in a wide variety of crops.

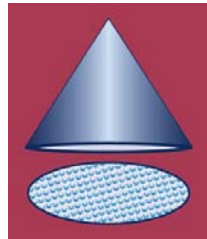


Recommended working pressures: 45 to 300 psi.

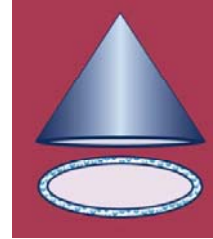
Spray angles from 23° to 90°.

**See nozzle chart on page 36.**

**FULL CONE**



**HOLLOW CONE**



**HOLLOW CONE**

Nozzles		Pressure (psi)							Angles	
Disc	Core	40	60	80	100	150	200	300	150 psi	300 psi
		Flow Rate (gal/min)								
AD1	AC13	0.07	0.08	0.09	0.10	0.12	0.13	0.15	66	68
AD2	AC13	0.08	0.10	0.11	0.12	0.14	0.16	0.18	74	75
AD3	AC13	0.09	0.11	0.12	0.13	0.16	0.18	0.20	77	78
AD4	AC13	0.12	0.14	0.16	0.17	0.20	0.23	0.27	84	85
AD1	AC23	0.07	0.08	0.10	0.11	0.12	0.14	0.16	63	65
AD2	AC23	0.10	0.13	0.14	0.16	0.19	0.21	0.25	72	72
AD3	AC23	0.12	0.14	0.16	0.18	0.21	0.24	0.28	77	77
AD4	AC23	0.15	0.19	0.21	0.23	0.28	0.32	0.38	88	87
AD5	AC23	0.18	0.22	0.25	0.28	0.34	0.38	0.46	96	95
AD6	AC23	0.21	0.26	0.29	0.32	0.39	0.45	0.54	100	99
AD1	AC25	0.10	0.12	0.14	0.16	0.18	0.21	0.26	49	51
AD2	AC25	0.16	0.19	0.22	0.25	0.29	0.34	0.41	61	61
AD3	AC25	0.19	0.23	0.26	0.29	0.35	0.40	0.48	69	69
AD4	AC25	0.29	0.35	0.40	0.45	0.54	0.62	0.75	82	82
AD5	AC25	0.35	0.42	0.48	0.54	0.65	0.75	0.90	85	84
AD6	AC25	0.44	0.54	0.62	0.70	0.85	0.97	1.19	89	88
AD7	AC25	0.52	0.63	0.73	0.81	0.98	1.18	1.37	92	91
AD1	AC45	0.12	0.15	0.17	0.19	0.22	0.26	0.31	39	40
AD2	AC45	0.20	0.25	0.28	0.32	0.38	0.44	0.53	56	56
AD3	AC45	0.23	0.28	0.33	0.36	0.44	0.51	0.62	52	62
AD4	AC45	0.36	0.43	0.50	0.56	0.68	0.78	0.95	73	72
AD5	AC45	0.45	0.55	0.64	0.71	0.86	0.99	1.22	76	75
AD6	AC45	0.58	0.72	0.83	0.93	1.15	1.33	1.64	80	79
AD7	AC45	0.68	0.84	0.97	1.11	1.35	1.57	1.94	86	85
AD1	AC46	0.15	0.18	0.21	0.23	0.28	0.32	0.39	17	17
AD2	AC46	0.27	0.33	0.37	0.42	0.50	0.57	0.68	20	18
AD3	AC46	0.32	0.39	0.45	0.51	0.61	0.70	0.86	23	21
AD4	AC46	0.56	0.68	0.78	0.88	1.07	1.23	1.52	32	31
AD5	AC46	0.77	0.94	1.10	1.25	1.50	1.73	2.13	41	40
AD6	AC46	1.10	1.35	1.58	1.73	2.16	2.50	3.06	49	47
AD7	AC46	1.39	1.72	1.97	2.22	2.73	3.15	3.85	55	53

**FULL CONE**

Nozzles		Pressure (psi)							Angles	
Disc	Core	40	60	80	100	150	200	300	150 psi	300 psi
		Flow Rate (gal/min)								
AD1	AC31					0.27	0.30	0.37	40	38
AD2	AC31					0.40	0.46	0.54	54	49
AD3	AC31					0.43	0.48	0.59	67	58
AD1	AC35					0.26	0.30	0.35	27	27
AD2	AC35					0.46	0.51	0.59	45	40
AD3	AC35					0.54	0.61	0.75	48	42
AD4	AC35					0.94	1.06	1.29	68	60
AD5	AC35	0.66	0.81	0.92	1.02	1.21	1.39	1.69	69	62
AD2	AC56	0.25	0.30	0.33	0.40	0.48	0.56	0.67	18	16
AD3	AC56	0.33	0.43	0.47	0.54	0.64	0.76	0.91	24	22
AD4	AC56	0.56	0.67	0.78	0.88	1.07	1.21	1.50	30	28
AD5	AC56	0.76	0.94	1.08	1.22	1.48	1.69	2.09	35	33
AD6	AC56	1.14	1.42	1.64	1.84	2.28	2.58	3.19	40	38
AD7	AC56	1.52	1.85	2.14	2.41	2.95	3.42	4.19	53	51

**DROPLET SIZE**

Nozzles	VMD (micron)		
	70 psi	150 psi	220 psi
AD1 AC13	109	86	77
AD2 AC25	153	134	121
AD3 AC46	243	184	151
AD3 AC13	142	119	108
AD3 AC23	212	180	173
AD4 AC45	206	171	146
AD3 AC45	211	175	156
AD5 AC45	218	178	151
AD4 AC23	168	151	140
AD6 AC25	213	187	156
AD3 AC45	211	175	156
AD4 AC25	199	173	156
AD5 AC23	199	174	160
AD5 AC25	220	191	167
AD3 AC31	-	202	168
AD3 AC35	-	192	157
AD3 AC56	-	226	183
AD4 AC56	-	228	183
AD5 AC56	-	219	177
AD5 AC35	-	208	172

**Ordering:**

Part No.	Description
034660	Ceramic disc AD-1
034678	Ceramic disc AD-2
028761	Ceramic disc AD-3
028779	Ceramic disc AD-4
028787	Ceramic disc AD-5
028795	Ceramic disc AD-6
028811	Ceramic disc AD-7
034843	Swirl core AC-13
028837	Swirl core AC-23
006478	Swirl core AC-25
005503	Swirl core AC-31
005511	Swirl core AC-35
028845	Swirl core AC-45
006460	Swirl core AC-46
005537	Swirl core AC-56

When ordering please specify nozzle description and part no.  
 Example: Ceramic nozzle (AD-1)  
 P/N 034660

Technical characteristics	
Series	Disc & Cone
Spray pattern	Hollow Cone
	Full Cone
Spray angle	23° to 90°
Material	Ceramic
Flow	Nozzle Number