



Hi-Flow 140°



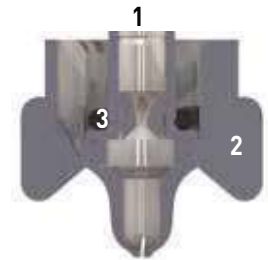
The Hypro® Hi-Flow nozzle is the best way to outfit a sprayer to achieve wide-angle coverage plus drift control. The 140° pattern ensures unmatched uniformity across the spray boom and allows lower spray heights to reduce the risk of drift during sensitive applications.

- Frequently used with fertilizer/herbicide mixtures for early season weed control
- Straight-through design to reduce clogging and drift
- Incredibly uniform application across the boom
- Lower spray heights and pre-orifice technology reduce drift
- PWM compatible

US Units

Nozzle Size	Droplet Size	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing										GAL/1000ft ²			
				MPH										20 inch nozzle spacing			
				4	5	6	8	10	12	15	20	2	3	4	5		
08	UC	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		
	UC	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		
	UC	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		
	UC	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		
	XC	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		
	XC	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		
XC	80	1.13	83.9	67.1	55.9	42.0	33.6	28.0	22.4	16.8	3.85	2.57	1.93	1.54			
10	UC	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		
	UC	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		
	UC	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		
	UC	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		
	XC	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		
	XC	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		
XC	80	1.41	105	83.8	69.8	52.3	41.9	34.9	27.9	20.9	4.81	3.21	2.40	1.92			
15	UC	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		
	UC	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		
	UC	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		
	UC	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		
	XC	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		
	XC	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		
XC	80	2.12	157	126	105	78.7	63.0	52.5	42.0	31.5	7.23	4.82	3.61	2.89			
20	UC	20	1.41	105	83.8	69.8	52.3	41.9	34.9	27.9	20.9	4.81	3.21	2.40	1.92		
	UC	30	1.73	128	103	85.6	64.2	51.4	42.8	34.3	25.7	5.90	3.93	2.95	2.36		
	UC	40	2.00	149	119	99.0	74.3	59.4	49.5	39.6	29.7	6.82	4.55	3.41	2.73		
	UC	50	2.24	166	133	111	83.2	66.5	55.4	44.4	33.3	7.64	5.09	3.82	3.06		
	XC	60	2.45	182	146	121	91.0	72.8	60.6	48.5	36.4	8.35	5.57	4.18	3.34		
	XC	70	2.65	197	157	131	98.4	78.7	65.6	52.5	39.4	9.04	6.02	4.52	3.61		
XC	80	2.83	210	168	140	105	84.1	70.0	56.0	42.0	9.65	6.43	4.83	3.86			
30	UC	20	2.12	157	126	105	78.7	63.0	52.5	42.0	31.5	7.23	4.82	3.61	2.89		
	UC	30	2.60	193	154	129	96.5	77.2	64.4	51.5	38.6	8.87	5.91	4.43	3.55		
	UC	40	3.00	223	178	149	111	89.1	74.3	59.4	44.6	10.2	6.82	5.12	4.09		
	UC	50	3.35	249	199	166	124	99.5	82.9	66.3	49.7	11.4	7.62	5.71	4.57		
	XC	60	3.67	272	218	182	136	109	90.8	72.7	54.5	12.5	8.34	6.26	5.01		
	XC	70	3.97	295	236	197	147	118	98.3	78.6	59.0	13.5	9.03	6.77	5.42		
XC	80	4.24	315	252	210	157	126	105	84.0	63.0	14.5	9.64	7.23	5.78			
40	UC	20	2.83	210	168	140	105	84.1	70.0	56.0	42.0	9.65	6.43	4.83	3.86		
	UC	30	3.46	257	206	171	128	103	85.6	68.5	51.4	11.8	7.87	5.90	4.72		
	UC	40	4.00	297	238	198	149	119	99.0	79.2	59.4	13.6	9.09	6.82	5.46		
	UC	50	4.47	332	266	221	166	133	111	88.5	66.4	15.2	10.2	7.62	6.10		
	XC	60	4.90	364	291	243	182	146	121	97.0	72.8	16.7	11.1	8.35	6.68		
	XC	70	5.29	393	314	262	196	157	131	105	78.6	18.0	12.0	9.02	7.22		
XC	80	5.66	420	336	280	210	168	140	112	84.1	19.3	12.9	9.65	7.72			
50	UC	20	3.54	263	210	175	131	105	87.6	70.1	52.6	12.1	8.05	6.04	4.83		
	UC	30	4.33	322	257	214	161	129	107	85.7	64.3	14.8	9.84	7.38	5.91		
	UC	40	5.00	371	297	248	186	149	124	99.0	74.3	17.1	11.4	8.53	6.82		
	UC	50	5.59	415	332	277	208	166	138	111	83.0	19.1	12.7	9.53	7.62		
	XC	60	6.12	454	364	303	227	182	151	121	90.9	20.9	13.9	10.4	8.35		
	XC	70	6.61	491	393	327	245	196	164	131	98.2	22.5	15.0	11.3	9.02		
XC	80	7.07	525	420	350	262	210	175	140	105	24.1	16.1	12.1	9.64			
60	UC	20	4.24	315	252	210	157	126	105	84.0	63.0	14.5	9.64	7.23	5.78		
	UC	30	5.20	386	309	257	193	154	129	103	77.2	17.7	11.8	8.87	7.09		
	UC	40	6.00	446	356	297	223	178	149	119	89.1	20.5	13.6	10.2	8.18		
	UC	50	6.71	498	399	332	249	199	166	133	99.6	22.9	15.3	11.4	9.15		
	XC	60	7.35	546	437	364	273	218	182	146	109	25.1	16.7	12.5	10.0		
	XC	70	7.94	590	472	393	295	236	197	157	118	27.1	18.1	13.5	10.8		
XC	80	8.49	630	504	420	315	252	210	168	126	29.0	19.3	14.5	11.6			

Droplet size based on ASABE S572.1 standard.



1. Straight flow design for superior resistance to plugging and creation of driftable droplets
2. Unitized spray nozzle design for easy single piece operation
3. Removable pre-orifice for easy cleaning

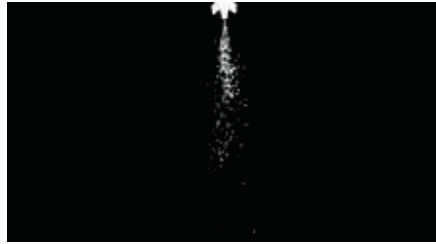


Floater Adapter for Hi-Flow Nozzles

Part Number	Description
9950-0001	Floater Adapter Kit for Hi-Flow Nozzles (3/4" Cam Lock to Bayonet)



140° wide, large droplet spray pattern for industry leading coverage of liquid fertilizers.



Straight through design squeezes fluid flow to create the spray pattern versus deflecting fluid flow and creating un-needed spray drift.

Metric Units

Nozzle Size	Droplet Size	Pressure [BAR]	Flow Rate [LPM]	Application Rate L/Ha - 50 cm Spacing							
				7	8	10	12	15	20	25	30
08	UC	1,5	2,26	387	339	271	226	181	136	108	90
	UC	2	2,61	447	392	313	261	209	157	125	104
	UC	2,5	2,92	501	438	350	292	234	175	140	117
	UC	3	3,20	549	480	384	320	256	192	154	128
	XC	4	3,70	634	555	444	370	296	222	178	148
	XC	5	4,13	708	620	496	413	330	248	198	165
10	UC	1,5	2,8	480	420	336	280	224	168	134	112
	UC	2	3,3	566	495	396	330	264	198	158	132
	UC	2,5	3,7	634	555	444	370	296	222	178	148
	UC	3	4,0	686	600	480	400	320	240	192	160
	XC	4	4,6	789	690	552	460	368	276	221	184
	XC	5	5,2	891	780	624	520	416	312	250	208
15	UC	1,5	4,2	720	630	504	420	336	252	202	168
	UC	2	4,9	840	735	588	490	392	294	235	196
	UC	2,5	5,5	943	825	660	550	440	330	264	220
	UC	3	6,0	1029	900	720	600	480	360	288	240
	XC	4	6,9	1183	1035	828	690	552	414	331	276
	XC	5	7,7	1320	1155	924	770	616	462	370	308
20	UC	1,5	5,7	977	855	684	570	456	342	274	228
	UC	2	6,5	1114	975	780	650	520	390	312	260
	UC	2,5	7,3	1251	1095	876	730	584	438	350	292
	UC	3	8,0	1371	1200	960	800	640	480	384	320
	XC	4	9,2	1577	1380	1104	920	736	552	442	368
	XC	5	10,3	1766	1545	1236	1030	824	618	494	412
30	UC	1,5	8,5	1457	1275	1020	850	680	510	408	340
	UC	2	9,8	1680	1470	1176	980	784	588	470	392
	UC	2,5	11,0	1886	1650	1320	1100	880	660	528	440
	UC	3	12,0	2057	1800	1440	1200	960	720	576	480
	XC	4	13,9	2383	2085	1668	1390	1112	834	667	556
	XC	5	15,5	2657	2325	1860	1550	1240	930	744	620
40	UC	1,5	11,3	1937	1695	1356	1130	904	678	542	452
	UC	2	13,1	2246	1965	1572	1310	1048	786	629	524
	UC	2,5	14,6	2503	2190	1752	1460	1168	876	701	584
	UC	3	16,0	2743	2400	1920	1600	1280	960	768	640
	XC	4	18,5	3171	2775	2220	1850	1480	1110	888	740
	XC	5	20,7	3549	3105	2484	2070	1656	1242	994	828
50	UC	1,5	14,1	2417	2115	1692	1410	1128	846	677	564
	UC	2	16,3	2794	2445	1956	1630	1304	978	782	652
	UC	2,5	18,3	3137	2745	2196	1830	1464	1098	878	732
	UC	3	20,0	3429	3000	2400	2000	1600	1200	960	800
	XC	4	23,1	3960	3465	2772	2310	1848	1386	1109	924
	XC	5	25,8	4423	3870	3096	2580	2064	1548	1238	1032
60	UC	1,5	17,0	2914	2550	2040	1700	1360	1020	816	680
	UC	2	19,6	3360	2940	2352	1960	1568	1176	941	784
	UC	2,5	21,9	3754	3285	2628	2190	1752	1314	1051	876
	UC	3	24,0	4114	3600	2880	2400	1920	1440	1152	960
	XC	4	27,7	4749	4155	3324	2770	2216	1662	1330	1108
	XC	5	31,0	5314	4650	3720	3100	2480	1860	1488	1240
60	XC	6	33,9	5811	5085	4068	3390	2712	2034	1627	1356

Droplet size based on ASABE S572.1 standard.

Features	
Common Use	Fertilizer
Pattern	Tapered Flat Fan
Technology	Pre-Orifice
Material	Polyacetal
Spray Angle	140°
Pressure Range	20-80 PSI (1.5-6 BAR)
Configuration	FastCap
Optimum Boom Height	
15" (35 cm) Spacing	10" (25 cm)
20" (50 cm) Spacing	12" (30 cm)
Part Numbers	
FastCaps 140°	
HF140-08	
HF140-10	
HF140-15	
HF140-20	
HF140-30	
HF140-40	
HF140-50	
HF140-60	
Replacement Cap Gasket	
65-BS205	

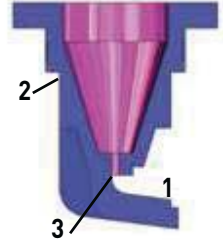


DeflecTip 80°-160°



The DeflecTip wide-angle flood fan nozzle creates a wide pattern at very low pressures while creating mainly medium and coarse droplets. It is well suited for mounting on machinery where a wide angle or a low spray height is desired and on sprayers using very low pressures, including manual sprayers.

- Sprays at very low pressures
- Medium to coarse spray is suited for a variety of applications
- Larger sizes are suitable for liquid fertilizer applications
- Large circular orifice reduces the chances of blocking
- For use of single nozzles with knapsack/backpack sprayers (See page 200)



1. Simple; deflecting spray pattern
2. Polycetal; single piece design
3. Available in many sizes to meet your flow rate needs

US Units

Nozzle Size	Droplet Size	Spray Angle @45 psi	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing										GAL/1000ft ²				
					MPH										20 inch nozzle spacing				
					4	5	6	8	10	12	15	20	2	3	4	5			
0.5	VC	80°	10	0.05	3.7	3.0	2.5	1.9	1.5	1.2	1.0	0.7	0.17	0.11	0.09	0.07			
	M		20	0.07	5.3	4.2	3.5	2.6	2.1	1.8	1.4	1.1	0.24	0.16	0.12	0.10			
	F		30	0.09	6.4	5.1	4.3	3.2	2.6	2.1	1.7	1.3	0.30	0.20	0.15	0.12			
	F		40	0.10	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14			
	F		50	0.11	8.3	6.6	5.5	4.2	3.3	2.8	2.2	1.7	0.38	0.25	0.19	0.15			
0.75	F	95°	60	0.12	9.1	7.3	6.1	4.5	3.6	3.0	2.4	1.8	0.42	0.28	0.21	0.17			
	VC		10	0.08	5.6	4.5	3.7	2.8	2.2	1.9	1.5	1.1	0.26	0.17	0.13	0.10			
	M		20	0.11	7.9	6.3	5.3	3.9	3.2	2.6	2.1	1.6	0.36	0.24	0.18	0.14			
	M		30	0.13	9.6	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18			
	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			
1.0	F	105°	50	0.17	12.5	10.0	8.3	6.2	5.0	4.2	3.3	2.5	0.57	0.38	0.29	0.23			
	F		60	0.18	13.6	10.9	9.1	6.8	5.5	4.5	3.6	2.7	0.63	0.42	0.31	0.25			
	C		10	0.10	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14			
	M		20	0.14	10.5	8.4	7.0	5.3	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19			
	F		30	0.17	12.9	10.3	8.6	6.4	5.1	4.3	3.4	2.6	0.59	0.39	0.30	0.24			
1.5	F	105°	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		50	0.22	16.6	13.3	11.1	8.3	6.6	5.5	4.4	3.3	0.76	0.51	0.38	0.30			
	F		60	0.24	18.2	14.5	12.1	9.1	7.3	6.1	4.8	3.6	0.84	0.56	0.42	0.33			
	VC		10	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	0.21	15.8	12.6	10.5	7.9	6.3	5.3	4.2	3.2	0.72	0.48	0.36	0.29			
2.0	M	105°	30	0.26	19.3	15.4	12.9	9.6	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35			
	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			
	F		50	0.34	24.9	19.9	16.6	12.5	10.0	8.3	6.6	5.0	1.14	0.76	0.57	0.46			
	F		60	0.37	27.3	21.8	18.2	13.6	10.9	9.1	7.3	5.5	1.25	0.84	0.63	0.50			
	M		10	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			
2.5	M	110°	20	0.28	21.0	16.8	14.0	10.5	8.4	7.0	5.6	4.2	0.96	0.64	0.48	0.39			
	M		30	0.35	25.7	20.6	17.1	12.9	10.3	8.6	6.9	5.1	1.18	0.79	0.59	0.47			
	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			
	F		50	0.45	33.2	26.6	22.1	16.6	13.3	11.1	8.9	6.6	1.52	1.02	0.76	0.61			
	F		60	0.49	36.4	29.1	24.2	18.2	14.5	12.1	9.7	7.3	1.67	1.11	0.84	0.67			
3.0	C	110°	10	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		20	0.35	26.3	21.0	17.5	13.1	10.5	8.8	7.0	5.3	1.21	0.80	0.60	0.48			
	M		30	0.43	32.2	25.7	21.4	16.1	12.9	10.7	8.6	6.4	1.48	0.98	0.74	0.59			
	M		40	0.50	37.1	29.7	24.8	18.6	14.9	12.4	9.9	7.4	1.70	1.14	0.85	0.68			
	F		50	0.56	41.5	33.2	27.7	20.8	16.6	13.8	11.1	8.3	1.91	1.27	0.95	0.76			
4.0	F	120°	60	0.61	45.5	36.4	30.3	22.7	18.2	15.2	12.1	9.1	2.09	1.39	1.04	0.84			
	C		10	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		20	0.42	31.5	25.2	21.0	15.8	12.6	10.5	8.4	6.3	1.45	0.96	0.72	0.58			
	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		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			
5.0	M	125°	50	0.67	49.8	39.8	33.2	24.9	19.9	16.6	13.3	10.0	2.29	1.52	1.14	0.91			
	M		60	0.73	54.6	43.6	36.4	27.3	21.8	18.2	14.5	10.9	2.51	1.67	1.25	1.00			
	M		10	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		20	0.57	42.0	33.6	28.0	21.0	16.8	14.0	11.2	8.4	1.93	1.29	0.96	0.77			
	M		30	0.69	51.4	41.2	34.3	25.7	20.6	17.1	13.7	10.3	2.36	1.57	1.18	0.94			
7.5	M	145°	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	66.4	53.1	44.3	33.2	26.6	22.1	17.7	13.3	3.05	2.03	1.52	1.22			
	M		60	0.98	72.7	58.2	48.5	36.4	29.1	24.2	19.4	14.5	3.34	2.23	1.67	1.34			
	M		10	0.50	37.1	29.7	24.8	18.6	14.9	12.4	9.9	7.4	1.70	1.14	0.85	0.68			
	M		20	0.71	52.5	42.0	35.0	26.3	21.0	17.5	14.0	10.5	2.41	1.61	1.21	0.96			
10	M	160°	30	0.87	64.3	51.4	42.9	32.2	25.7	21.4	17.1	12.9	2.95	1.97	1.48	1.18			
	M		40	1.00	74.3	59.4	49.5	37.1	29.7	24.8	19.8	14.9	3.41	2.27	1.70	1.36			
	F		50	1.12	83.0	66.4	55.3	41.5	33.2	27.7	22.1	16.6	3.81	2.54	1.91	1.52			
	F		60	1.22	90.9	72.7	60.6	45.5	36.4	30.3	24.2	18.2	4.18	2.78	2.09	1.67			
	C		10	0.75	55.7	44.6	37.1	27.8	22.3	18.6	14.9	11.1	2.56	1.70	1.28	1.02			
15	C	145°	20	1.06	78.8	63.0	52.5	39.4	31.5	26.3	21.0	15.8	3.62	2.41	1.81	1.45			
	C		30	1.30	96.5	77.2	64.3	48.2	38.6	32.2	25.7	19.3	4.43	2.95	2.21	1.77			
	C		40	1.50	111.4	89.1	74.3	55.7	44.6	37.1	29.7	22.3	5.11	3.41	2.56	2.05			
	C		50	1.68	124.5	99.6	83.0	62.3	49.8	41.5	33.2	24.9	5.72	3.81	2.86	2.29			
	M		60	1.84	136.4	109.1	90.9	68.2	54.6	45.5	36.4	27.3	6.26	4.18	3.13	2.51			
20	C	140°	10	1.00	74.3	59.4	49.5	37.1	29.7	24.8	19.8	14.9	3.41	2.27	1.70	1.36			
	M		20	1.41	105.0	84.0	70.0	52.5	42.0	35.0	28.0	21.0	4.82	3.21	2.41	1.93			
	M		30	1.73	128.6	102.9	85.7	64.3	51.4	42.9	34.3	25.7	5.90	3.94	2.95	2.36			
	M		40	2.00	148.5	118.8	99.0	74.3	59.4	49.5	39.6	29.7	6.82	4.55	3.41	2.73			
	M		50	2.24	166.0	132.8	110.7	83.0	66.4	55.3	44.3	33.2	7.62	5.08	3.81	3.05			
15	C	145°	60	2.45	181.9	145.5	121.2	90.9	72.7	60.6	48.5	36.4	8.35	5.57	4.18	3.34			
	C		10	1.50	111.4	89.1	74.3	55.7	44.6	37.1	29.7	22.3	5.11	3.41	2.56	2.05			
	C		20	2.12	157.5	126.0	105.0	78.8	63.0	52.5	42.0	31.5	7.23	4.82	3.62	2.89			
	C		30	2.60	192.9	154.3	128.6	96.5	77.2	64.3	51.4	38.6	8.86	5.90	4.43	3.54			
	C		40	3.00	222.8	178.2	148.5	111.4	89.1	74.3	59.4	44.6	10.23	6.82	5.11	4.09			
20	M	140°	50	3.35	249.0	199.2	166.0	124.5	99.6	83.0	66.4	49.8	11.43	7.62	5.72	4.57			
	C		60	3.67	272.8	218.2	181.9	136.4	109.1	90.9	72.7	54.6	12.53	8.35	6.26	5.01			
	VC		10	2.00	148.5	118.8	99.0	74.3	59.4	49.5	39.6	29.7	6.82	4.55	3.41	2.73			
	C		20	2.83	210.0	168.0	140.0	105.0	84.0	70.0	56.0	42.0	9.64	6.43	4.82	3.86			
	C		30	3.46	257.2	205.8	171.5	128.6											

Metric Units

Nozzle Size	Droplet Size	Spray Angle @ 3 bar	Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha - 50 cm Spacing KM/H							
					7	8	10	12	15	20	25	30
0.5	VC	80°	1.0	0.23	39	34	27	23	18	14	11	9
	M		1.5	0.28	48	42	34	28	22	17	13	11
	F		2.0	0.32	55	48	39	32	26	19	15	13
	F		2.5	0.36	62	54	43	36	29	22	17	14
	F		3.0	0.39	68	59	47	39	32	24	19	16
	F		4.0	0.46	78	68	55	46	36	27	22	18
0.75	XC	95°	1.0	0.34	59	51	41	34	27	21	16	14
	M		1.5	0.42	72	63	50	42	34	25	20	17
	M		2.0	0.48	83	73	58	48	39	29	23	19
	F		2.5	0.54	93	81	65	54	43	32	26	22
	F		3.0	0.59	102	89	71	59	47	36	28	24
	F		4.0	0.68	117	103	82	68	55	41	33	27
1.0	C	105°	1.0	0.46	78	68	55	46	36	27	22	18
	M		1.5	0.56	96	84	67	56	45	34	27	22
	F		2.0	0.64	111	97	77	64	52	39	31	26
	F		2.5	0.72	124	108	86	72	58	43	35	29
	F		3.0	0.79	135	118	95	79	63	47	38	32
	F		4.0	0.91	156	137	109	91	73	55	44	36
1.5	VC	105°	1.0	0.68	117	103	82	68	55	41	33	27
	M		1.5	0.84	144	126	101	84	67	50	40	34
	M		2.0	0.97	166	145	116	97	77	58	46	39
	F		2.5	1.08	185	162	130	108	86	65	52	43
	F		3.0	1.18	203	178	142	118	95	71	57	47
	F		4.0	1.37	234	205	164	137	109	82	66	55
2.0	M	105°	1.0	0.91	156	137	109	91	73	55	44	36
	M		1.5	1.12	191	168	134	112	89	67	54	45
	M		2.0	1.29	221	193	155	129	103	77	62	52
	F		2.5	1.44	247	216	173	144	115	86	69	58
	F		3.0	1.58	271	237	190	158	126	95	76	63
	F		4.0	1.82	313	274	219	182	146	109	88	73
2.5	C	110°	1.0	1.14	195	171	137	114	91	68	55	46
	M		1.5	1.40	239	209	168	140	112	84	67	56
	M		2.0	1.61	276	242	193	161	129	97	77	64
	M		2.5	1.80	309	270	216	180	144	108	86	72
	F		3.0	1.97	338	296	237	197	158	118	95	79
	F		4.0	2.28	391	342	274	228	182	137	109	91
3.0	C	110°	1.0	1.37	234	205	164	137	109	82	66	55
	M		1.5	1.68	287	251	201	168	134	101	80	67
	M		2.0	1.93	332	290	232	193	155	116	93	77
	M		2.5	2.16	371	324	259	216	173	130	104	86
	M		3.0	2.37	406	355	284	237	190	142	114	95
	M		4.0	2.74	469	410	328	274	219	164	131	109
4.0	M	120°	1.0	1.82	313	274	219	182	146	109	88	73
	M		1.5	2.23	383	335	268	223	179	134	107	89
	M		2.0	2.58	442	387	309	258	206	155	124	103
	M		2.5	2.88	494	432	346	288	231	173	138	115
	M		3.0	3.16	541	474	379	316	253	190	152	126
	F		4.0	3.65	625	547	438	365	292	219	175	146
5.0	M	125°	1.0	2.3	391	342	274	228	182	137	109	91
	M		1.5	2.8	479	419	335	279	223	168	134	112
	M		2.0	3.2	553	484	387	322	258	193	155	129
	M		2.5	3.6	618	541	432	360	288	216	173	144
	M		3.0	3.9	677	592	474	395	316	237	190	158
	F		4.0	4.6	782	684	547	456	365	274	219	182
7.5	C	145°	1.0	3.4	586	513	410	342	274	205	164	137
	C		1.5	4.2	718	628	503	419	335	251	201	168
	C		2.0	4.8	829	725	580	484	387	290	232	193
	C		2.5	5.4	927	811	649	541	432	324	259	216
	C		3.0	5.9	1015	888	711	592	474	355	284	237
	M		4.0	6.8	1172	1026	821	684	547	410	328	274
10	C	160°	1.0	4.6	782	684	547	456	365	274	219	182
	M		1.5	5.6	957	838	670	558	447	335	268	223
	M		2.0	6.4	1105	967	774	645	516	387	309	258
	M		2.5	7.2	1236	1081	865	721	577	432	346	288
	M		3.0	7.9	1354	1184	948	790	632	474	379	316
	M		4.0	9.1	1563	1368	1094	912	729	547	438	365
15	C	145°	1.0	6.8	1172	1026	821	684	547	410	328	274
	C		1.5	8.4	1436	1256	1005	838	670	503	402	335
	C		2.0	9.7	1658	1451	1160	967	774	580	464	387
	C		2.5	10.8	1854	1622	1297	1081	865	649	519	432
	C		3.0	11.8	2030	1777	1421	1184	948	711	569	474
	M		4.0	13.7	2345	2051	1641	1368	1094	821	656	547
20	VC	140°	1.0	9.1	1563	1368	1094	912	729	547	438	365
	C		1.5	11.2	1914	1675	1340	1117	893	670	536	447
	C		2.0	12.9	2210	1934	1547	1289	1032	774	619	516
	C		2.5	14.4	2471	2162	1730	1442	1153	865	692	577
	C		3.0	15.8	2707	2369	1895	1579	1263	948	758	632
	C		4.0	18.2	3126	2735	2188	1824	1459	1094	875	729

Droplet size based on ASABE S572.1 standard.

Features	
Common Use	Weeds & Fertilizer
Pattern	Flood
Technology	Deflection
Material	Polyacetal
Spray Angle	80°-160°
Pressure Range	10-60 PSI (1-3 BAR)
Configuration	Nozzle
Part Numbers	
Nozzles	Caps (25 Pack)
30DT0.5	CAP30-20
30DT0.75	CAP30-20
30DT1.0	CAP30-20
30DT1.5	CAP30-20
30DT2.0	CAP30-20
30DT2.5	CAP30-20
30DT3.0	CAP30-20
30DT4.0	CAP30-20
30DT5.0	CAP30-20
30DT7.5	CAP30-20
30DT10	CAP30-20
30DT15	CAP30-20
30DT20	CAP30-20



Ceramic APM 80°-160°



The Albus® APM wide-angle flood fan nozzle creates a wide pattern at very low pressures while creating mainly medium and coarse droplets. It is well suited for mounting on machinery where a wide angle or a low spray height is desired and on sprayers using very low pressures, including manual sprayers. The ceramic orifice and deflector make the APM the longest-wearing flood nozzle.

- Sprays at very low pressures
- Medium to coarse spray is suited for a variety of applications
- Large round orifice resists plugging
- Wear-resistant Albus® ceramic orifice and deflector

US Units

Nozzle Size	Droplet Size	Spray Angle @ 30 PSI	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing MPH								GAL/1000ft ² 20 inch nozzle spacing			
					4	5	6	8	10	12	15	20	2	3	4	5
0.12	M	80°	10	0.12	4.5	3.6	3.0	2.2	1.8	1.5	1.2	0.9	0.41	0.27	0.20	0.16
	M		20	0.17	6.3	5.0	4.2	3.2	2.5	2.1	1.7	1.3	0.58	0.39	0.29	0.23
	M		30	0.21	7.8	6.2	5.2	3.9	3.1	2.6	2.1	1.6	0.72	0.48	0.36	0.29
	M		40	0.24	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.82	0.55	0.41	0.33
	M		50	0.27	10.0	8.0	6.7	5.0	4.0	3.3	2.7	2.0	0.92	0.61	0.46	0.37
	M		60	0.29	10.8	8.6	7.2	5.4	4.3	3.6	2.9	2.2	0.99	0.66	0.49	0.40
0.2	M	110°	10	0.20	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.68	0.45	0.34	0.27
	M		20	0.28	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.95	0.64	0.48	0.38
	M		30	0.35	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.19	0.80	0.60	0.48
	M		40	0.40	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.36	0.91	0.68	0.55
	M		50	0.45	16.7	13.4	11.1	8.4	6.7	5.6	4.5	3.3	1.53	1.02	0.77	0.61
	M		60	0.49	18.2	14.6	12.1	9.1	7.3	6.1	4.9	3.6	1.67	1.11	0.84	0.67
0.3	C	125°	10	0.30	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	1.02	0.68	0.51	0.41
	C		20	0.42	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	1.43	0.95	0.72	0.57
	M		30	0.52	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	1.77	1.18	0.89	0.71
	M		40	0.60	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	2.05	1.36	1.02	0.82
	M		50	0.67	24.9	19.9	16.6	12.4	9.9	8.3	6.6	5.0	2.28	1.52	1.14	0.91
	M		60	0.73	27.1	21.7	18.1	13.6	10.8	9.0	7.2	5.4	2.49	1.66	1.24	1.00
0.4	C	135°	10	0.40	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.36	0.91	0.68	0.55
	C		20	0.57	21.2	16.9	14.1	10.6	8.5	7.1	5.6	4.2	1.94	1.30	0.97	0.78
	M		30	0.69	25.6	20.5	17.1	12.8	10.2	8.5	6.8	5.1	2.35	1.57	1.18	0.94
	M		40	0.80	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	2.73	1.82	1.36	1.09
	M		50	0.89	33.0	26.4	22.0	16.5	13.2	11.0	8.8	6.6	3.03	2.02	1.52	1.21
	M		60	0.98	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	3.34	2.23	1.67	1.34
0.5	C	140°	10	0.50	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.71	1.14	0.85	0.68
	C		20	0.71	26.4	21.1	17.6	13.2	10.5	8.8	7.0	5.3	2.42	1.61	1.21	0.97
	M		30	0.87	32.3	25.8	21.5	16.1	12.9	10.8	8.6	6.5	2.97	1.98	1.48	1.19
	M		40	1.00	37.1	29.7	24.8	18.6	14.9	12.4	9.9	7.4	3.41	2.27	1.71	1.36
	M		50	1.12	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	3.82	2.55	1.91	1.53
	M		60	1.22	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	4.16	2.77	2.08	1.66
0.74	VC	160°	10	0.70	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	2.39	1.59	1.19	0.95
	C		20	0.99	36.8	29.4	24.5	18.4	14.7	12.3	9.8	7.4	3.38	2.25	1.69	1.35
	C		30	1.21	44.9	35.9	29.9	22.5	18.0	15.0	12.0	9.0	4.13	2.75	2.06	1.65
	C		40	1.40	52.0	41.6	34.7	26.0	20.8	17.3	13.9	10.4	4.77	3.18	2.39	1.91
	C		50	1.57	58.3	46.6	38.9	29.1	23.3	19.4	15.5	11.7	5.35	3.57	2.68	2.14
	C		60	1.71	63.5	50.8	42.3	31.7	25.4	21.2	16.9	12.7	5.83	3.89	2.92	2.33
0.94	VC	160°	10	0.91	33.8	27.0	22.5	16.9	13.5	11.3	9.0	6.8	3.10	2.07	1.55	1.24
	C		20	1.29	47.9	38.3	31.9	23.9	19.2	16.0	12.8	9.6	4.40	2.93	2.20	1.76
	C		30	1.58	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	5.39	3.59	2.69	2.16
	C		40	1.82	67.6	54.1	45.0	33.8	27.0	22.5	18.0	13.5	6.21	4.14	3.10	2.48
	C		50	2.03	75.4	60.3	50.2	37.7	30.1	25.1	20.1	15.1	6.92	4.61	3.46	2.77
	C		60	2.23	82.8	66.2	55.2	41.4	33.1	27.6	22.1	16.6	7.60	5.07	3.80	3.04

Droplet size based on ASABE S572.1 standard.

Metric Units

Nozzle Size	Droplet Size	Spray Angle @ 2 bar	Pressure (Bar)	Flow Rate (LPM)	Liters/Hectare 100 cm nozzle spacing									
					6	8	10	12	14	16	17	20	25	30
0.12	M	80°	0.5	0.39	39.0	29.3	23.4	19.5	16.7	14.6	13.0	11.7	9.4	7.8
	M		1	0.55	55.0	41.3	33.0	27.5	23.6	20.6	18.3	16.5	13.2	11.0
	M		1.5	0.67	67.0	50.3	40.2	33.5	28.7	25.1	22.3	20.1	16.1	13.4
	M		2	0.78	78.0	58.5	46.8	39.0	33.4	29.3	26.0	23.4	18.7	15.6
	M		2.5	0.87	87.0	65.3	52.2	43.5	37.3	32.6	29.0	26.1	20.9	17.4
	M		3	0.95	95.0	71.3	57.0	47.5	40.7	35.6	31.7	28.5	22.8	19.0
	M		3.5	1.03	103.0	77.3	61.8	51.5	44.1	38.6	34.3	30.9	24.7	20.6
0.2	M	110°	0.5	0.64	64.0	48.0	38.4	32.0	27.4	24.0	21.3	19.2	15.4	12.8
	M		1	0.91	91.0	68.3	54.6	45.5	39.0	34.1	30.3	27.3	21.8	18.2
	M		1.5	1.12	112.0	84.0	67.2	56.0	48.0	42.0	37.3	33.6	26.9	22.4
	M		2	1.29	129.0	96.8	77.4	64.5	55.3	48.4	43.0	38.7	31.0	25.8
	M		2.5	1.44	144.0	108.0	86.4	72.0	61.7	54.0	48.0	43.2	34.6	28.8
	M		3	1.58	158.0	118.5	94.8	79.0	67.7	59.3	52.7	47.4	37.9	31.6
	M		3.5	1.71	171.0	128.3	102.6	85.5	73.3	64.1	57.0	51.3	41.0	34.2
0.3	C	125°	0.5	0.97	97.0	72.8	58.2	48.5	41.6	36.4	32.3	29.1	23.3	19.4
	C		1	1.37	137.0	102.8	82.2	68.5	58.7	51.4	45.7	41.1	32.9	27.4
	C		1.5	1.68	168.0	126.0	100.8	84.0	72.0	63.0	56.0	50.4	40.3	33.6
	M		2	1.94	194.0	145.5	116.4	97.0	83.1	72.8	64.7	58.2	46.6	38.8
	M		2.5	2.17	217.0	162.8	130.2	108.5	93.0	81.4	72.3	65.1	52.1	43.4
	M		3	2.38	238.0	178.5	142.8	119.0	102.0	89.3	79.3	71.4	57.1	47.6
	M		3.5	2.57	257.0	192.8	154.2	128.5	110.1	96.4	85.7	77.1	61.7	51.4
0.4	C	135°	0.5	1.3	130.0	97.5	78.0	65.0	55.7	48.8	43.3	39.0	31.2	26.0
	C		1	1.84	184.0	138.0	110.4	92.0	78.9	69.0	61.3	55.2	44.2	36.8
	C		1.5	2.25	225.0	168.8	135.0	112.5	96.4	84.4	75.0	67.5	54.0	45.0
	M		2	2.6	260.0	195.0	156.0	130.0	111.4	97.5	86.7	78.0	62.4	52.0
	M		2.5	2.9	290.0	217.5	174.0	145.0	124.3	108.8	96.7	87.0	69.6	58.0
	M		3	3.18	318.0	238.5	190.8	159.0	136.3	119.3	106.0	95.4	76.3	63.6
	M		3.5	3.43	343.0	257.3	205.8	171.5	147.0	128.6	114.3	102.9	82.3	68.6
0.5	C	140°	0.5	1.62	162.0	121.5	97.2	81.0	69.4	60.8	54.0	48.6	38.9	32.4
	C		1	2.29	229.0	171.8	137.4	114.5	98.1	85.9	76.3	68.7	55.0	45.8
	C		1.5	2.8	280.0	210.0	168.0	140.0	120.0	105.0	93.3	84.0	67.2	56.0
	C		2	3.23	323.0	242.3	193.8	161.5	138.4	121.1	107.7	96.9	77.5	64.6
	M		2.5	3.61	361.0	270.8	216.6	180.5	154.7	135.4	120.3	108.3	86.6	72.2
	M		3	3.96	396.0	297.0	237.6	198.0	169.7	148.5	132.0	118.8	95.0	79.2
	M		3.5	4.28	428.0	321.0	256.8	214.0	183.4	160.5	142.7	128.4	102.7	85.6
0.7	VC	160°	0.5	2.3	230.0	172.5	138.0	115.0	98.6	86.3	76.7	69.0	55.2	46.0
	C		1	3.25	325.0	243.8	195.0	162.5	139.3	121.9	108.3	97.5	78.0	65.0
	C		1.5	3.98	398.0	298.5	238.8	199.0	170.6	149.3	132.7	119.4	95.5	79.6
	C		2	4.6	460.0	345.0	276.0	230.0	197.1	172.5	153.3	138.0	110.4	92.0
	C		2.5	5.14	514.0	385.5	308.4	257.0	220.3	192.8	171.3	154.2	123.4	102.8
	C		3	5.63	563.0	422.3	337.8	281.5	241.3	211.1	187.7	168.9	135.1	112.6
	C		3.5	6.08	608.0	456.0	364.8	304.0	260.6	228.0	202.7	182.4	145.9	121.6
0.91	VC	160°	0.5	3	300.0	225.0	180.0	150.0	128.6	112.5	100.0	90.0	72.0	60.0
	C		1	4.24	424.0	318.0	254.4	212.0	181.7	159.0	141.3	127.2	101.8	84.8
	C		1.5	5.19	519.0	389.3	311.4	259.5	222.4	194.6	173.0	155.7	124.6	103.8
	C		2	6	600.0	450.0	360.0	300.0	257.1	225.0	200.0	180.0	144.0	120.0
	C		2.5	6.7	670.0	502.5	402.0	335.0	287.1	251.3	223.3	201.0	160.8	134.0
	C		3	7.35	735.0	551.3	441.0	367.5	315.0	275.6	245.0	220.5	176.4	147.0
	C		3.5	7.93	793.0	594.8	475.8	396.5	339.9	297.4	264.3	237.9	190.3	158.6
			4	8.48	848.0	636.0	508.8	424.0	363.4	318.0	282.7	254.4	203.5	169.6

Droplet size based on ASABE S572.1 standard.

Features	
Common Use	Weeds & Fertilizer
Pattern	Flood
Technology	Deflection
Material	Ceramic
Spray Angle	80° - 160°
Pressure Range	10-60 PSI (1-4 BAR)
Configuration	Nozzles
Part Numbers	
Nozzles	Caps (25 Pack)
APM-YELLOW	CAP04-20
APM-ORANGE	CAP04-20
APM-RED	CAP04-20
APM-GREEN	CAP04-20
APM-BLUE	CAP04-20
APM-GRAY	CAP04-20
APM-BLACK	CAP04-20