



STANDARD SPRAY ANGLE
50° SPRAY ANGLE

**FLAT
SPRAY NOZZLES**

SPECIFICATIONS - 50°

VVJB & VVLJB

U.S. GALLONS PER MINUTE												CAPACITY SIZE	APPROX. ORIFICE DIAMETER (INCHES)	NOZZLE TYPE PIPE SIZE NPT			
5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI	200 PSI	300 PSI	400 PSI	500 PSI			1/8	1/4	1/8	1/4
0.03	0.05	0.07	0.09	0.10	0.12	0.14	0.16	0.22	0.27	0.32	0.35	01	0.026	VVJB	VVJB	VVLJB	VVLJB
0.05	0.08	0.11	0.13	0.15	0.18	0.21	0.24	0.34	0.41	0.47	0.53	015	0.031	VVJB	VVJB	VVLJB	VVLJB
0.07	0.10	0.14	0.17	0.20	0.25	0.28	0.32	0.45	0.55	0.63	0.71	02	0.036	VVJB	VVJB	VVLJB	VVLJB
0.09	0.13	0.18	0.22	0.25	0.31	0.35	0.40	0.56	0.68	0.79	0.88	025	0.040	VVJB	VVJB	VVLJB	VVLJB
0.11	0.15	0.21	0.26	0.30	0.37	0.42	0.47	0.67	0.82	0.95	1.1	03	0.043	VVJB	VVJB	VVLJB	VVLJB
0.14	0.20	0.28	0.35	0.40	0.49	0.57	0.63	0.89	1.1	1.3	1.4	04	0.052	VVJB	VVJB	VVLJB	VVLJB
0.18	0.25	0.35	0.43	0.50	0.61	0.71	0.79	1.1	1.4	1.6	1.8	05	0.057	VVJB	VVJB	VVLJB	VVLJB
0.21	0.30	0.42	0.52	0.60	0.74	0.85	0.95	1.3	1.6	1.9	2.1	06	0.062	VVJB	VVJB	VVLJB	VVLJB
0.28	0.40	0.57	0.69	0.80	0.98	1.1	1.3	1.8	2.2	2.5	2.8	08	0.072	VVJB	VVJB	VVLJB	VVLJB

Standard Materials: Brass, Carbon Steel, 316 Stainless Steel, PVC and PTFE
Note: PTFE Not Available in Sizes Below 025; PVC Not Available in Sizes Below 01

UJB

U.S. GALLONS PER MINUTE												CAPACITY SIZE	APPROX. ORIFICE DIAMETER (INCHES)	NOZZLE TYPE PIPE SIZE NPT							
5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI	200 PSI	300 PSI	400 PSI	500 PSI			1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
0.35	0.50	0.71	0.87	1.0	1.2	1.4	1.6	2.2	2.7	3.2	3.5	10	0.080	UJB	UJB	UJB					
0.53	0.75	1.1	1.3	1.5	1.8	2.1	2.4	3.4	4.1	4.7	5.3	15	0.094	UJB	UJB	UJB					
0.71	1.0	1.4	1.7	2.0	2.5	2.8	3.2	4.5	5.5	6.3	7.1	20	0.109	UJB	UJB	UJB					
1.1	1.5	2.1	2.6	3.0	3.7	4.2	4.7	6.7	8.2	9.5	10.6	30	0.141	UJB	UJB	UJB					
1.4	2.0	2.8	3.5	4.0	4.9	5.7	6.3	8.9	11.0	12.6	14.2	40	0.156	UJB	UJB	UJB					
1.8	2.5	3.5	4.3	5.0	6.1	7.1	7.9	11.2	13.7	15.8	17.7	50	0.172			UJB					
2.1	3.0	4.2	5.2	6.0	7.4	8.5	9.5	13.4	16.4	19.0	21.0	60	0.186			UJB	UJB				
2.5	3.5	5.0	6.1	7.0	8.6	9.9	11.1	15.6	19.2	22.1	25.0	70	0.203			UJB	UJB				
2.8	4.0	5.7	6.9	8.0	9.8	11.3	12.6	17.9	22.0	25.3	28.0	80	0.219			UJB	UJB				
3.2	4.5	6.4	7.8	9.0	11.0	12.7	14.2	20.1	24.7	28.5	32.0	90	0.234			UJB	UJB				
3.5	5.0	7.1	8.7	10.0	12.2	14.1	15.8	22.4	27.0	31.6	35.0	100	0.250			UJB	UJB				
4.2	6.0	8.5	10.4	12.0	14.7	17.0	19.0	26.8	33.0	37.9	42.0	120	0.266			UJB	UJB				
5.3	7.5	10.6	13.0	15.0	18.4	21.2	23.7	33.5	41.0	47.4	53.0	150	0.297				UJB				
7.1	10.0	14.1	17.3	20.0	24.5	28.3	31.6	44.7	55.0	63.2	71.0	200	0.344				UJB				
10.6	15.0	21.2	26.0	30.0	36.7	42.4	47.4	67.1	82.0	94.9	106	300	0.422					UJB			
14.1	20.0	28.3	34.6	40.0	49.0	56.6	63.2	89.4	110	126	142	400	0.500					UJB	UJB		
17.7	25.0	35.0	43.0	50.0	61.0	71.0	79.0	112	137	158	177	500	0.516						UJB	UJB	
21.0	29.0	41.0	50.0	58.0	71.0	82.0	92.0	130	159	184	205	580	0.547						UJB		
26.5	37.5	53.0	64.9	75.0	92.0	106	119	168	206	237	266	750	0.500						UJB		
28.3	40.0	56.6	69.3	80.0	98.0	113	126	179	219	253	283	800	0.688							UJB	
35.0	50.0	71.0	87.0	100	123	142	158	223	273	316	353	1000	0.719							UJB	
40.7	57.5	81.3	100	115	141	163	182	257	315	364	407	1150	0.719							UJB	
53.0	75.0	106	130	150	184	212	237	335	411	474	530	1500	0.859								UJB
71.0	100	142	173	200	245	283	316	447	547	632	707	2000	1.031								UJB
79.5	113	160	195	225	276	318	356	500	616	715	795	2250	0.969								UJB

Standard Materials: Brass, Carbon Steel, 316 Stainless Steel, PVC and PTFE
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