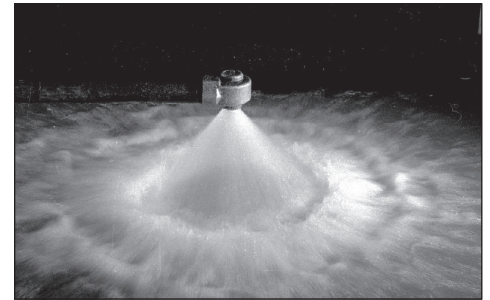
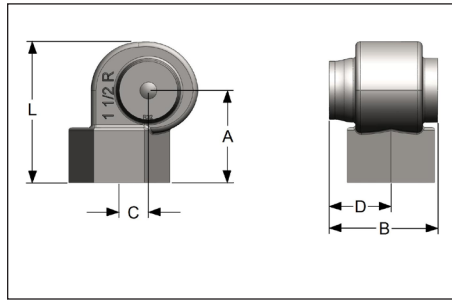
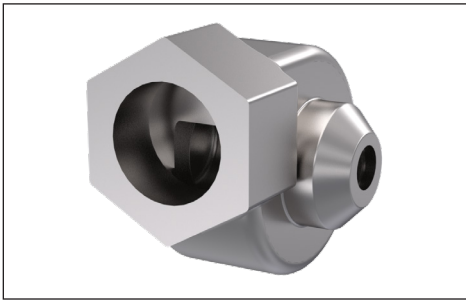




R SERIES SPRAY NOZZLES

HOLLOW CONE • THREADED CONNECTION



SPRAY CHARACTERISTICS:

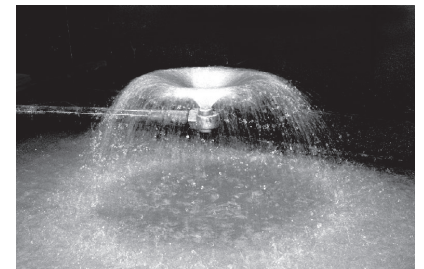
A high capacity hollow cone spray pattern with uniform distribution. The large body and orifice diameter allow for small particles to pass through, minimizing clogging.

TYPICAL APPLICATIONS:

- Aeration and Pollution Control
- Cooling Ponds
- Scrubbing and Washing Gases and Fumes
- Cooling Coil
- Dust Proofing
- Chemical Processes.

CONSTRUCTION:

One piece cast construction. All parts in the R series have a female thread connection. Alternative materials available on a limited, special order basis.



Upwards Spray at 1 PSI: Wide Spray angle with large droplets and minimal misting.

Nozzle Size	Dim 'A'	Dim 'B'	Dim 'C'	Dim 'D'	Dim 'L'
1R	2	2 ¹ / ₈	1 ¹ / ₈	1 ¹ / ₈	2 ³ / ₄
1 ¹ / ₄ R	2 ¹ / ₈	2 ¹ / ₄	1 ¹ / ₂	1 ¹ / ₄	3 ¹ / ₈
1 ¹ / ₂ R	2 ³ / ₈	3	9 ⁹ / ₁₆	1 ³ / ₄	3 ³ / ₄
2R	2 ³ / ₄	3 ⁷ / ₈	1	2 ¹ / ₄	4 ³ / ₄
2 ¹ / ₂ R	3 ¹ / ₂	4 ³ / ₄	1 ¹ / ₈	2 ³ / ₄	4 ³ / ₄

Female	Pipe Size	Max Free Passage	Capacities at Various Pressures											Spray Angle		
			2 psi	3 psi	5 psi	7 psi	10 psi	20 psi	30 psi	40 psi	60 psi	80 psi	100 psi	7 psi	20 psi	60 psi
1R10	1	0.500	17.0	5.5	7.1	8.4	10.0	14.1	17.3	20.0	24.5	28.3	32	65	72	73
1R12	1	0.531	5.4	6.6	8.5	10.0	12.0	17.0	20.8	24.0	29.4	34	38	71	74	75
1R14	1	0.563	6.3	7.7	9.9	11.7	14.0	19.8	24.2	28.0	34	40	44	74	79	80
1R16	1	0.563	7.2	8.8	11.3	13.4	16.0	22.6	27.7	32	39	45	51	77	83	83
1R18	1	0.563	8.0	9.9	12.7	15.1	18.0	25.5	31.2	36	44	51	57	80	86	76
1-1/4R12	1-1/4	0.531	5.4	6.6	8.5	10.0	12.0	17.0	20.8	24.0	29.4	34	38	64	68	69
1-1/4R14	1-1/4	0.563	6.3	7.7	9.9	11.7	14.0	19.8	24.2	28.0	34	40	44	66	71	71
1-1/4R16	1-1/4	0.625	7.2	8.8	11.3	13.4	16.0	22.6	27.7	32	39	45	51	71	75	75
1-1/4R18	1-1/4	0.625	8.0	9.9	12.7	15.1	18.0	25.5	31.2	36	44	51	57	76	78	79
1-1/4R21	1-1/4	0.625	9.4	11.5	14.8	17.6	21.0	29.7	36	42	51	59	66	79	82	82
1-1/4R24	1-1/4	0.625	10.7	13.1	17.0	20.1	24.0	34	42	48	59	68	76	81	76	86
1-1/2R18	1-1/2	0.625	8.0	9.9	12.7	15.1	18.0	25.5	31.2	36	44	51	57	66	70	71
1-1/2R21	1-1/2	0.688	9.4	11.5	14.8	17.6	21.0	29.7	36	42	51	59	66	70	74	74
1-1/2R24	1-1/2	0.750	10.7	13.1	17.0	20.1	24.0	34	42	48	59	68	76	73	76	76
1-1/2R28	1-1/2	0.750	12.5	15.3	19.8	23.4	28.0	40	48	56	69	79	89	76	79	80
1-1/2R32	1-1/2	0.750	14.3	17.5	22.6	26.8	32	45	55	64	78	91	101	79	84	84

* TABLE CONTINUES ON FOLLOWING PAGE



R SPRAY NOZZLE SPECIFICATIONS
HOLLOW CONE • THREADED CONNECTION

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Female	Pipe Size	Max Free Passage	Capacities at Various Pressures											Spray Angle		
			2 psi	3 psi	5 psi	7 psi	10 psi	20 psi	30 psi	40 psi	60 psi	80 psi	100 psi	7 psi	20 psi	60 psi
1-1/2R37	1-1/2	0.750	16.5	20.3	26.2	31.0	37	52	64	74	91	105	117	84	88	88
2R37	2	0.875	16.5	20.3	26.2	31.0	37	52	64	74	91	105	117	62	64	65
2R43	2	0.938	19.2	23.6	30.4	36	43	61	74	86	105	122	136	66	70	72
2R49	2	1.000	21.9	26.8	35	41	49	69	85	98	120	139	155	70	72	73
2R57	2	1.063	25.5	31.2	40	48	57	81	99	114	140	161	180	74	77	77
2R65	2	1.063	29.1	36	46	54	65	92	113	130	159	184	206	75	79	79
2R75	2	1.063	34	41	53	63	75	106	130	150	184	212	237	78	81	81
2R86	2	1.063	38	47	61	72	86	122	149	172	211	243	272	86	95	95
2-1/2R75	2-1/2	1.313	34	41	53	63	75	106	130	150	184	212	237	67	72	72
2-1/2R86	2-1/2	1.313	38	47	61	72	86	122	149	172	211	243	272	73	76	76
2-1/2R100	2-1/2	1.313	45	55	71	84	100	141	173	200	245	283	316	79	83	84
2-1/2R115	2-1/2	1.313	51	63	81	96	115	163	199	230	282	325	364	80	84	85
2-1/2R132	2-1/2	1.313	59	72	93	110	132	187	229	264	323	373	417	82	87	87

