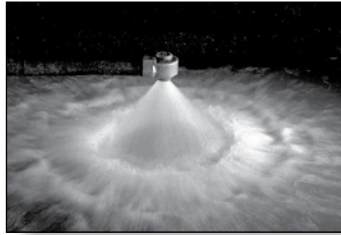


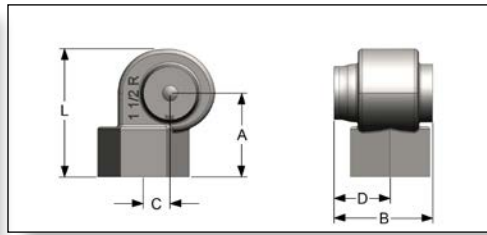
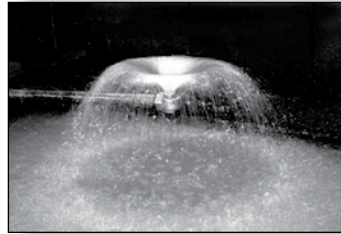


R SERIES NOZZLE SPECIFICATIONS

At 15 p.s.i.: Circular distribution with larger flow rates.



At 1 p.s.i.: Wide spray angle with large droplets and minimal misting.



SPRAY CHARACTERISTICS:

A high capacity hollow cone spray pattern with uniform distribution. The large body and orifice diameters minimize clogging.

TYPICAL APPLICATIONS:

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

CONSTRUCTION:

One piece cast construction. Standard material is 316 stainless steel. All the R series nozzles have a female NPT pipe connection. Bronze and cast iron available on a limited, special order basis.

MODEL NUMBER	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

Model	Max. Free Passage (in)	CAPACITY AT VARIOUS PRESSURES (USGPM)												SPRAY ANGLE @ (degrees)		
		2 psi	3 psi	5 psi	7 psi	10 psi	15 psi	20 psi	30 psi	40 psi	60 psi	80 psi	100 psi	7 psi	20 psi	60 psi
Female																
1R10	0.500	4.5	5.5	7.1	8.4	10.0	12.2	14.1	17.3	20.0	24.5	28.3	32	65	72	73
1R12	0.531	5.4	6.6	8.5	10.0	12.0	14.7	17.0	20.8	24.0	29.4	34	38	71	74	75
1R14	0.562	6.3	7.7	9.9	11.7	14.0	17.1	19.8	24.2	28.0	34	40	44	74	79	80
1R16	0.562	7.2	8.8	11.3	13.4	16.0	19.6	22.6	27.7	32	39	45	51	77	83	83
1R18	0.562	8.0	9.9	12.7	15.1	18.0	22.0	25.5	31.2	36	44	51	57	80	86	76
1-1/4R12	0.531	5.4	6.6	8.5	10.0	12.0	14.7	17.0	20.8	24.0	29.4	34	38	64	68	69
1-1/4R14	0.562	6.3	7.7	9.9	11.7	14.0	17.1	19.8	24.2	28.0	34	40	44	66	71	71
1-1/4R16	0.625	7.2	8.8	11.3	13.4	16.0	19.6	22.6	27.7	32	39	45	51	71	75	75
1-1/4R18	0.625	8.0	9.9	12.7	15.1	18.0	22.0	25.5	31.2	36	44	51	57	76	78	79
1-1/4R21	0.625	9.4	11.5	14.8	17.6	21.0	25.7	29.7	36	42	51	59	66	79	82	82
1-1/4R24	0.625	10.7	13.1	17.0	20.1	24.0	29.4	34	42	48	59	68	76	81	76	86
1-1/2R18	0.625	8.0	9.9	12.7	15.1	18.0	22.0	25.5	31.2	36	44	51	57	66	70	71
1-1/2R21	0.688	9.4	11.5	14.8	17.6	21.0	25.7	29.7	36	42	51	59	66	70	74	74
1-1/2R24	0.750	10.7	13.1	17.0	20.1	24.0	29.4	34	42	48	59	68	76	73	76	76
1-1/2R28	0.750	12.5	15.3	19.8	23.4	28.0	34	40	48	56	69	79	89	76	79	80
1-1/2R32	0.750	14.3	17.5	22.6	26.8	32	39	45	55	64	78	91	101	79	84	84
1-1/2R37	0.750	16.5	20.3	26.2	31.0	37	45	52	64	74	91	105	117	84	88	88
2R37	0.875	16.5	20.3	26.2	31.0	37	45	52	64	74	91	105	117	62	64	65
2R43	0.938	19.2	23.6	30.4	36	43	53	61	74	86	105	122	136	66	70	72
2R49	1.000	21.9	26.8	35	41	49	60	69	85	98	120	139	155	70	72	73
2R57	1.062	25.5	31.2	40	48	57	70	81	99	114	140	161	180	74	77	77
2R65	1.062	29.1	36	46	54	65	80	92	113	130	159	184	206	75	79	79
2R75	1.062	34	41	53	63	75	92	106	130	150	184	212	237	78	81	81
2R86	1.062	38	47	61	72	86	105	122	149	172	211	243	272	86	88	88
2-1/2R75	1.312	34	41	53	63	75	92	106	130	150	184	212	237	67	72	72
2-1/2R86	1.312	38	47	61	72	86	105	122	149	172	211	243	272	73	76	76
2-1/2R100	1.312	45	55	71	84	100	122	141	173	200	245	283	316	79	83	84
2-1/2R115	1.312	51	63	81	96	115	141	163	199	230	282	325	364	80	84	85
2-1/2R132	1.312	59	72	93	110	132	162	187	229	264	323	373	417	82	87	87