



**SPRAY CHARACTERISTICS:**

A full cone spray pattern with larger flow rates and smaller droplet sizes. Durable, one-piece, anti-clog design has no internal vane to clog or wear out.

**CONSTRUCTION:**

All models are machined from solid bar stock. Standard materials of construction are brass, 303 stainless steel, 316 stainless steel, PVC and Teflon®. Other materials may be available on request.

**TYPICAL APPLICATIONS:**

- Washing and Rinsing
- Gas Cooling
- Chemical Processing
- Cooling Sprays
- Humidification

**FULL CONE SPRAY**

Spray Angle	MODEL NUMBER	Pipe Size (BSPT)	Orifice Dia. (mm)	Dimensions		CAPACITY (L/min) AT VARIOUS PRESSURES (bar)													
				"A" (mm)	"L" (mm)	0.3 bar	0.5 bar	.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	6 bar	10 bar	13 bar	17 bar	20 bar	
60°	1/4YS6007	1/4	2.21	14 Hex	47.7	1.75	2.26	2.67	3.2	3.9	4.5	5.5	6.4	7.8	10.1	11.5	13.2	14.3	
	1/4YS6013	1/4	3.18	14 Hex	47.7	3.25	4.2	5.0	5.9	7.3	8.4	10.3	11.9	14.5	18.7	21.4	24.4	26.5	
	3/8YS6007	3/8	2.21	17 Hex	54.0	1.75	2.26	2.67	3.2	3.9	4.5	5.5	6.4	7.8	10.1	11.5	13.2	14.3	
	3/8YS6013	3/8	3.18	17 Hex	54.0	3.25	4.2	5.0	5.9	7.3	8.4	10.3	11.9	14.5	18.7	21.4	24.4	26.5	
	3/8YS6020	3/8	3.96	17 Hex	54.0	5.0	6.5	7.6	9.1	11.2	12.9	15.8	18.2	22.3	28.8	33	38	41	
	3/8YS6030	3/8	4.78	17 Hex	54.0	7.5	9.7	11.4	13.7	16.8	19.3	23.7	27.4	34	43	49	56	61	
	3/8YS6040	3/8	5.56	17 Hex	54.0	10.0	12.9	15.5	18.2	22.3	25.8	31.6	36	45	58	66	75	82	
	3/8YS6053	3/8	6.35	17 Hex	54.0	13.2	17.1	20.2	24.2	29.6	34	42	48	59	76	87	100	108	
	3/8YS6082	3/8	7.95	17 Hex	54.0	20.5	26.4	31.3	37.4	46	53	65	75	92	118	135	154	167	
	1/2YS60120	1/2	9.53	22 Hex	63.5	30.0	39	46	54.7	67	77	95	109	134	173	197	226	245	
	1/2YS60164	1/2	11.1	22 Hex	63.5	41	53	63	74.8	92	106	129	149	183	236	270	308	334	
	90°	1/4YS9007	1/4	2.21	14 Hex	47.7	1.75	2.26	2.67	3.2	3.9	4.5	5.5	6.4	7.8	10.1	11.5	13.2	14.3
1/4YS9013		1/4	3.18	14 Hex	47.7	3.25	4.2	5.0	5.9	7.3	8.4	10.3	11.9	14.5	18.7	21.4	24.4	26.5	
1/4YS9020		1/4	3.96	14 Hex	47.7	5.0	6.5	7.6	9.1	11.2	12.9	15.8	18.2	22.3	28.8	33	38	41	
3/8YS9030		3/8	4.78	17 Hex	54.0	7.5	9.7	11.4	13.7	16.8	19.3	23.7	27.4	34	43	49	56	61	
3/8YS9040		3/8	5.56	17 Hex	54.0	10.0	12.9	15.5	18.2	22.3	25.8	31.6	36	45	58	66	75	82	
3/8YS9053		3/8	6.35	17 Hex	54.0	13.2	17.1	20.2	24.2	29.6	34	42	48	59	76	87	100	108	
3/8YS9082		3/8	7.95	17 Hex	54.0	20.5	26.4	31.3	37.4	46	53	65	75	92	118	135	154	167	
1/2YS90120		1/2	9.53	22 Hex	63.5	30.0	39	46	54.7	67	77	95	109	134	173	197	226	245	
1/2YS90164		1/2	11.1	22 Hex	63.5	41	53	63	74.8	92	106	129	149	183	236	270	308	334	
120°		1/4YS12007	1/4	2.21	14 Hex	47.7	1.75	2.26	2.67	3.2	3.9	4.5	5.5	6.4	7.8	10.1	11.5	13.2	14.3
		1/4YS12013	1/4	3.18	14 Hex	47.7	3.25	4.2	5.0	5.9	7.3	8.4	10.3	11.9	14.5	18.7	21.4	24.4	26.5
		1/4YS12020	1/4	3.96	14 Hex	47.7	5.0	6.5	7.6	9.1	11.2	12.9	15.8	18.2	22.3	28.8	33	38	41
	3/8YS12030	3/8	4.78	17 Hex	54.0	7.5	9.7	11.4	13.7	16.8	19.3	23.7	27.4	34	43	49	56	61	
	3/8YS12040	3/8	5.56	17 Hex	54.0	10.0	12.9	15.5	18.2	22.3	25.8	31.6	36	45	58	66	75	82	
	3/8YS12053	3/8	6.35	17 Hex	54.0	13.2	17.1	20.2	24.2	29.6	34	42	48	59	76	87	100	108	
	3/8YS12082	3/8	7.95	17 Hex	54.0	20.5	26.4	31.3	37.4	46	53	65	75	92	118	135	154	167	
	1/2YS120120	1/2	9.53	22 Hex	63.5	30.0	39	46	54.7	67	77	95	109	134	173	197	226	245	
	1/2YS120164	1/2	11.1	22 Hex	63.5	41	53	63	74.8	92	106	129	149	183	236	270	308	334	
	150°	1/4YS15007	1/4	2.21	14 Hex	47.7	1.75	2.26	2.67	3.2	3.9	4.5	5.5	6.4	7.8	10.1	11.5	13.2	14.3
		1/4YS15013	1/4	3.18	14 Hex	47.7	3.25	4.2	5.0	5.9	7.3	8.4	10.3	11.9	14.5	18.7	21.4	24.4	26.5
		1/4YS15020	1/4	3.96	14 Hex	47.7	5.0	6.5	7.6	9.1	11.2	12.9	15.8	18.2	22.3	28.8	33	38	41
3/8YS15030		3/8	4.78	17 Hex	54.0	7.5	9.7	11.4	13.7	16.8	19.3	23.7	27.4	34	43	49	56	61	
3/8YS15040		3/8	5.56	17 Hex	54.0	10.0	12.9	15.5	18.2	22.3	25.8	31.6	36	45	58	66	75	82	
3/8YS15053		3/8	6.35	17 Hex	54.0	13.2	17.1	20.2	24.2	29.6	34	42	48	59	76	87	100	108	
3/8YS15082		3/8	7.95	17 Hex	54.0	20.5	26.4	31.3	37.4	46	53	65	75	92	118	135	154	167	
1/2YS150120		1/2	9.53	22 Hex	63.5	30.0	39	46	54.7	67	77	95	109	134	173	197	226	245	
1/2YS150164		1/2	11.1	22 Hex	63.5	41	53	63	74.8	92	106	129	149	183	236	270	308	334	