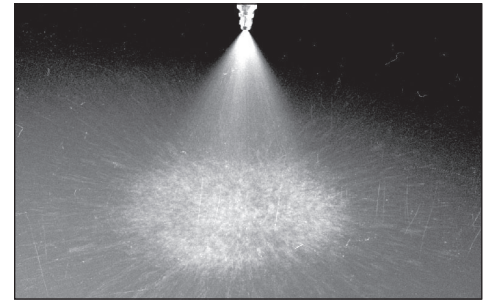
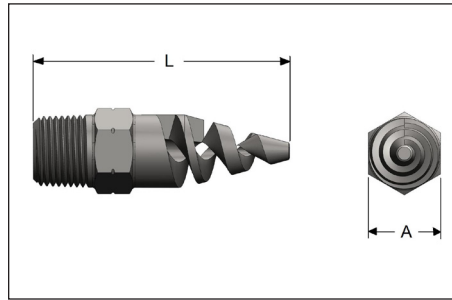
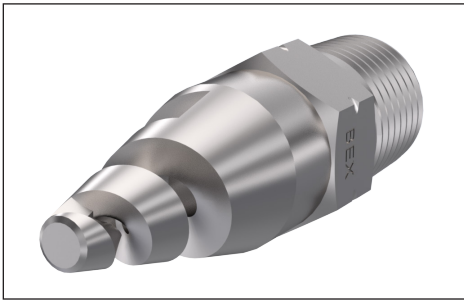




YS SERIES SPRAY NOZZLES

FULL CONE • THREADED CONNECTION



SPRAY CHARACTERISTICS:

An approximately full cone spray pattern with larger flow rates and smaller droplet sizes. The twister design allows small solids to pass through the nozzle without clogging the orifice.

CONSTRUCTION:

Durable, one-piece, anti-clog design has no internal vane to clog or wear out. All models are machined from solid bar stock.

TYPICAL APPLICATIONS:

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

Model #	Spray Angle	Orifice Dia.	Dimensions		Capacities at Various Pressures USGPM									
			"A"	"L"	5 psi	7 psi	10 psi	20 psi	30 psi	40 psi	60 psi	100 psi	200 psi	300 psi
1/4YS6007	60°	0.087	0.56	1.88	0.50	0.59	0.70	0.99	1.21	1.40	1.71	2.21	3.13	3.8
3/8YS6007	60°	0.087	0.69	1.88	0.50	0.59	0.70	0.99	1.21	1.40	1.71	2.21	3.13	3.8
1/4YS6013	60°	0.119	0.56	1.88	0.92	1.09	1.30	1.84	2.25	2.60	3.2	4.1	5.8	7.1
3/8YS6013	60°	0.119	0.69	1.88	0.92	1.09	1.30	1.84	2.25	2.60	3.2	4.1	5.8	7.1
3/8YS6020	60°	0.147	0.69	1.88	1.41	1.67	2.00	2.83	3.5	4.0	4.9	6.3	8.9	11.0
3/8YS6030	60°	0.180	0.69	1.88	2.12	2.51	3.00	4.2	5.2	6.0	7.3	9.5	13.4	16.4
3/8YS6040	60°	0.208	0.69	1.88	2.83	3.3	4.0	5.7	6.9	8.0	9.8	12.6	17.9	21.9
3/8YS6053	60°	0.239	0.69	1.88	3.7	4.4	5.3	7.5	9.2	10.6	13.0	16.8	23.7	29.0
3/8YS6082	60°	0.298	0.69	1.88	5.8	6.9	8.2	11.6	14.2	16.4	20.1	25.9	37	45
1/2YS60120	60°	0.375	0.88	2.50	8.5	10.0	12.0	17.0	20.8	24.0	29.4	38	54	66
1/2YS60164	60°	0.438	0.88	2.50	11.6	13.7	16.4	23.2	28.4	33	40	52	73	90
1/4YS9007	90°	0.087	0.56	1.88	0.50	0.59	0.70	0.99	1.21	1.40	1.71	2.21	3.13	3.8
1/4YS9013	90°	0.119	0.56	1.88	0.92	1.09	1.30	1.84	2.25	2.60	3.2	4.1	5.8	7.1
1/4YS9020	90°	0.147	0.56	1.88	1.41	1.67	2.00	2.83	3.5	4.0	4.9	6.3	8.9	11.0
3/8YS9030	90°	0.180	0.69	2.13	2.12	2.51	3.00	4.2	5.2	6.0	7.3	9.5	13.4	16.4
3/8YS9040	90°	0.208	0.69	2.13	2.83	3.3	4.0	5.7	6.9	8.0	9.8	12.6	17.9	21.9
3/8YS9053	90°	0.239	0.69	2.13	3.7	4.4	5.3	7.5	9.2	10.6	13.0	16.8	23.7	29.0
3/8YS9082	90°	0.298	0.69	2.13	5.8	6.9	8.2	11.6	14.2	16.4	20.1	25.9	37	45
1/2YS90120	90°	0.375	0.88	2.50	8.5	10.0	12.0	17.0	20.8	24.0	29.4	38	54	66
1/2YS90164	90°	0.438	0.88	2.50	11.6	13.7	16.4	23.2	28.4	33	40	52	73	90

* TABLE CONTINUES ON FOLLOWING PAGE



YS SPRAY NOZZLE SPECIFICATIONS
FULL CONE • THREADED CONNECTION • ONE-PIECE CONSTRUCTION

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Model #	Spray Angle	Orifice Dia.	Dimensions		Capacities at Various Pressures USGPM									
			"A"	"L"	5 psi	7 psi	10 psi	20 psi	30 psi	40 psi	60 psi	100 psi	200 psi	300 psi
1/4YS12013	120°	0.119	0.56	1.88	0.92	1.09	1.30	1.84	2.25	2.60	3.2	4.1	5.8	7.1
3/8YS12030	120°	0.180	0.69	2.13	2.12	2.51	3.00	4.2	5.2	6.0	7.3	9.5	13.4	16.4
3/8YS12040	120°	0.208	0.69	2.13	2.83	3.3	4.0	5.7	6.9	8.0	9.8	12.6	17.9	21.9
1/4YS12007	120°	0.087	0.56	1.88	0.50	0.59	0.70	0.99	1.21	1.40	1.71	2.21	3.13	3.8
3/8YS12053	120°	0.239	0.69	2.13	3.7	4.4	5.3	7.5	9.2	10.6	13.0	16.8	23.7	29.0
3/8YS12082	120°	0.298	0.69	2.13	5.8	6.9	8.2	11.6	14.2	16.4	20.1	25.9	37	45
1/2YS120120	120°	0.375	0.88	2.50	8.5	10.0	12.0	17.0	20.8	24.0	29.4	38	54	66
1/2YS120164	120°	0.438	0.88	2.50	11.6	13.7	16.4	23.2	28.4	33	40	52	73	90
3/4YS120210	120°	0.496	0.88	2.75	14.8	17.6	21.0	29.7	36	42	51	66	94	115
1/4YS12020	120°	0.147	0.56	1.88	1.41	1.67	2.00	2.83	3.5	4.0	4.9	6.3	8.9	11.0
1/2YS150120	150°	0.321	0.88	2.50	8.5	10.0	12.0	17.0	20.8	24.0	29.4	38	54	66
3/8YS15082	150°	0.298	0.69	2.13	5.8	6.9	8.2	11.6	14.2	16.4	20.1	25.9	37	45
1/2YS150164	150°	0.375	0.88	2.50	11.6	13.7	16.4	23.2	28.4	33	40	52	73	90
3/8YS15053	150°	0.239	0.69	2.13	3.7	4.4	5.3	7.5	9.2	10.6	13.0	16.8	23.7	29.0
3/8YS15030	150°	0.180	0.69	2.13	2.12	2.51	3.00	4.2	5.2	6.0	7.3	9.5	13.4	16.4
1/4YS15020	150°	0.147	0.56	1.88	1.41	1.67	2.00	2.83	3.5	4.0	4.9	6.3	8.9	11.0
1/4YS15013	150°	0.119	0.56	1.88	0.92	1.09	1.30	1.84	2.25	2.60	3.2	4.1	5.8	7.1
3/8YS15040	150°	0.208	0.69	2.13	2.83	3.3	4.0	5.7	6.9	8.0	9.8	12.6	17.9	21.9
1/4YS17013	170°	0.118	0.69	1.88	0.92	1.09	1.30	1.84	2.25	2.60	3.2	4.1	5.8	7.1
3/8YS17030	170°	0.180	0.69	2.13	2.12	2.51	3.00	4.2	5.2	6.0	7.3	9.5	13.4	16.4
3/8YS17040	170°	0.208	0.69	2.13	2.83	3.3	4.0	5.7	6.9	8.0	9.8	12.6	17.9	21.9
3/8YS17053	170°	0.239	0.69	2.13	3.7	4.4	5.3	7.5	9.2	10.6	13.0	16.8	23.7	29.0
3/8YS17082	170°	0.298	0.69	2.13	5.8	6.9	8.2	11.6	14.2	16.4	20.1	25.9	37	45
1/2YS170170	170°	0.438	0.88	2.50	12.0	14.2	17.0	24.0	29.4	34	42	54	76	93
1/4YS17020	170°	0.147	0.69	1.88	1.41	1.67	2.00	2.83	3.5	4.0	4.9	6.3	8.9	11.0
1/2YS170164	170°	0.375	0.88	2.50	11.6	13.7	16.4	23.2	28.4	33	40	52	73	90
1/2YS170120	170°	0.321	0.88	2.50	8.5	10.0	12.0	17.0	20.8	24.0	29.4	38	54	66