



SPRAY CHARACTERISTICS:

A hollow cone spray pattern with large flow rates and small droplet sizes.

CONSTRUCTION:

YH Series nozzles have an anti-clog design

that can be easily inspected, cleaned and serviced. Standard materials are brass, 303 stainless steel, 316 stainless steel, PVC and Teflon®. Other materials available upon request.

TYPICAL APPLICATIONS:

- Air & Gas Washing
- Dust Suppression
- Spray Ponds
- Cooling Tunnels
- Medical Treatment
- Humidification

HOLLOW 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°	1/4YH6007	1/4	2.21	14 Hex	30.2	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			
	1/4YH6013	1/4	3.18	14 Hex	30.2	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			
	1/4YH6020	1/4	3.96	14 Hex	30.2	5.0	6.5	7.6	9.1	11.2	12.9	15.8	18.2	22.3	28.8	33	38	41			
	3/8YH6030	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			
	3/8YH6040	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			
	3/8YH6053	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			
	3/8YH6082	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			
	1/2YH60120	1/2	9.53	22 Hex	63.5	30.0	39	46	54.7	67	77	95	109	134	173	197	226	245			
	1/2YH60164	1/2	11.1	22 Hex	63.5	41	53	63	74.8	92	106	129	149	183	236	270	308	334			
	3/4YH60210	3/4	12.7	27 Hex	73.0	52	38	80	95.7	117	135	166	191	234	303	345	395	428			
90°	1/4YH9007	1/4	2.21	14 Hex	30.2	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			
	1/4YH9013	1/4	3.18	14 Hex	30.2	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			
	1/4YH9020	1/4	3.96	14 Hex	30.2	5.0	6.5	7.6	9.1	11.2	12.9	15.8	18.2	22.3	28.8	33	38	41			
	3/8YH9030	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			
	3/8YH9040	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			
	3/8YH9053	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			
	3/8YH9082	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			
	1/2YH90120	1/2	9.53	22 Hex	63.5	30.0	39	46	54.7	67	77	95	109	134	173	197	226	245			
	1/2YH90164	1/2	11.1	22 Hex	63.5	41	53	63	74.8	92	106	129	149	183	236	270	308	334			
	3/4YH90210	3/4	12.7	27 Hex	73.0	52	38	80	95.7	117	135	166	191	234	303	345	395	428			
1YH90340	1	15.9	35 Hex	93.6	85	110	130	155	190	219	268	310	280	490	559	639	693				
1YH90470	1	19.1	35 Hex	93.6	117	151	179	214	262	303	371	428	525	677	772	883	958				
120°	1/4YH12007	1/4	2.21	14 Hex	30.2	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			
	1/4YH12013	1/4	3.18	14 Hex	30.2	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			
	1/4YH12020	1/4	3.96	14 Hex	30.2	5.0	6.5	7.6	9.1	11.2	12.9	15.8	18.2	22.3	28.8	33	38	41			
	3/8YH12030	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			
	3/8YH12040	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			
	3/8YH12053	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			
	3/8YH12082	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			
	1/2YH120120	1/2	9.53	22 Hex	63.5	30.0	39	46	54.7	67	77	95	109	134	173	197	226	245			
	1/2YH120164	1/2	11.1	22 Hex	63.5	41	53	63	74.8	92	106	129	149	183	236	270	308	334			
	3/4YH120210	3/4	12.7	27 Hex	73.0	52	38	80	95.7	117	135	166	191	234	303	345	395	428			
1YH12034	1	15.9	35 Hex	93.6	85	110	130	155	190	219	268	310	280	490	559	639	693				
1YH12047	1	19.1	35 Hex	93.6	117	151	179	214	262	303	371	428	525	677	772	883	958				
150°	1/4YH15007	1/4	2.21	14 Hex	30.2	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			
	1/4YH15013	1/4	3.18	14 Hex	30.2	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			
	1/4YH15020	1/4	3.96	14 Hex	30.2	5.0	6.5	7.6	9.1	11.2	12.9	15.8	18.2	22.3	28.8	33	38	41			
	3/8YH15030	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			
	3/8YH15040	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			
	3/8YH15053	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			
	3/8YH15082	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			
	1/2YH150120	1/2	9.53	22 Hex	63.5	30.0	39	46	54.7	67	77	95	109	134	173	197	226	245			
	1/2YH150164	1/2	11.1	22 Hex	63.5	41	53	63	74.8	92	106	129	149	183	236	270	308	334			
	3/4YH150210	3/4	12.7	27 Hex	73.0	52	38	80	95.7	117	135	166	191	234	303	345	395	428			
1YH150340	1	15.9	35 Hex	93.6	85	110	130	155	190	219	268	310	280	490	559	639	693				
1YH150470	1	19.1	35 Hex	93.6	117	151	179	214	262	303	371	428	525	677	772	883	958				

Spray Angle	MODEL NUMBER	Pipe Size (BSP)	Orifice Dia. (mm)	Dimensions		CAPACITY (L/min) AT VARIOUS PRESSURES (bar)													
				"A" (mm)	"L" (mm)	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	6 bar	10 bar	13 bar	17 bar	20 bar	
180°	1/4YH18013	1/4	3.18	14 Hex	30.2	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	
	1/4YH18020	1/4	3.96	14 Hex	30.2	5.0	6.5	7.6	9.1	11.2	12.9	15.8	18.2	22.3	28.8	33	38	41	
	3/8YH18030	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	
	3/8YH18040	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	
	3/8YH18053	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	
	3/8YH18082	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	
	1/2YH180120	1/2	9.53	22 Hex	63.5	30.0	39	46	54.7	67	77	95	109	134	173	197	226	245	
	1/2YH180164	1/2	11.1	22 Hex	63.5	41	53	63	74.8	92	106	129	149	183	236	270	308	334	
	3/4YH180210	3/4	12.7	27 Hex	73.0	52	68	80	95.7	117	135	166	191	234	303	345	395	428	
	1YH180340	1	15.9	35 Hex	93.6	85	110	130	155	190	219	268	310	280	490	559	639	693	
	1YH180470	1	19.1	35 Hex	93.6	117	151	179	214	262	303	371	428	525	677	772	883	958	