



Tangential Entry Hollow Cone Standard Angle Spray Nozzles (Non-Clogging) :

BA series Hollow cone spray nozzles work on the tangential flow principle and are manufactured by machine tool operation from metal bar stock. This offers versatile construction of small sized nozzles. In addition nozzles can be made on request from any special material and alloys that are available as a bar stock. This flow pattern is essentially a circular ring of liquid. Hollow cone nozzles are best for application requiring good atomization of liquids at lower pressures or where quick heat transfer is needed. These nozzles also feature large and unobstructed flow passage which provide a relatively high resistance to clogging.

There are Following types of hollow cone nozzles.

- 1) Tangential Entry
- 2) Inline (Axial) Entry
- 3) Spiral Hollow cone.

Characteristic : High resistance to clogging

Design : Vaneless (Two Piece Construction) Non clogging

Application : Cooling & Washing of gas

MODEL NO.	END CONNECTION		INLET DIA. NOM (mm)	ORIFICE DIA. NOM (mm)	FLOW CAPACITY IN LPM AT DIFFERENT PRESSURE							G/A DIMENSION. MM		
	1/4"	3/8"			PRESSURE [BAR]									
SPRAY ANGLE	BSP	BSP			0.5	1.0	2.0	3.0	5.0	7.0	10.0	CONN.	H	SQ
60°														
BA14.075	•		1.3	1.4	0.37	0.53	0.75	0.92	1.19	1.40	1.68	1/4"	35	20
BA14.100	•		1.6	1.7	0.50	0.71	1.00	1.22	1.58	1.87	2.24	Weight (Metals) = 75 gms. Approx		
BA14.150	•		1.9	2.1	0.75	1.06	1.50	1.84	2.37	2.81	3.35	3/8"	35	20
BA14.175	•		2.0	2.3	0.87	1.24	1.75	2.14	2.77	3.27	3.91	Weight (Metals) = 75 gms. Approx		
BA14.200	•		2.2	2.4	1.00	1.41	2.00	2.45	3.16	3.74	4.47			
BA14.250	•		2.5	2.7	1.25	1.77	2.50	3.06	3.95	4.68	5.59			
BA14.300	•		2.7	3.0	1.50	2.12	3.00	3.67	4.74	5.61	6.71			
BA14.350	•	•	2.9	3.2	1.75	2.47	3.50	4.29	5.53	6.55	7.83			
BA14.400	•	•	3.1	3.5	2.00	2.83	4.00	4.90	6.32	7.48	8.94			
BA14.475	•	•	3.4	3.7	2.37	3.36	4.75	5.82	7.51	8.89	10.62			
BA14.650	•	•	4.0	4.4	3.25	4.60	6.50	7.96	10.28	12.16	14.53			
BA14.800	•	•	4.4	4.9	4.00	5.66	8.00	9.80	12.65	14.97	17.89			
BA24.100		•	4.9	5.5	5.00	7.07	10.00	12.25	15.81	18.71	22.36			
BA24.125		•	5.5	6.1	6.25	8.84	12.50	15.31	19.76	23.39	27.95			
BA24.160		•	6.2	6.9	8.00	11.31	16.00	19.60	25.30	29.93	35.78			
BA24.180		•	6.5	7.2	9.00	12.73	18.00	22.05	28.46	33.67	40.25			
BA24.200		•	6.9	7.7	10.0	14.14	20.00	24.49	31.62	37.42	44.72			
BA24.225		•	7.4	8.2	11.25	15.91	22.50	27.56	35.58	42.09	50.31			

MODEL NO.	END CONNECTION		INLET DIA. NOM (mm)	ORIFICE DIA. NOM (mm)	FLOW CAPACITY IN LPM AT DIFFERENT PRESSURE							G/A DIMENSION. MM		
	1/4"	3/8"			PRESSURE [BAR]									
SPRAY ANGLE	BSP	BSP										CONN.	H	SQ
90°					0.5	1.0	2.0	3.0	5.0	7.0	10.0			
BA16.075	●		1.3	1.4	0.37	0.53	0.75	0.92	1.19	1.40	1.68	1/4"	35	20
BA16.100	●		1.6	1.7	0.50	0.71	1.00	1.22	1.58	1.87	2.24	Weight (Metals) = 75 gms. Approx		
BA16.150	●		1.9	2.1	0.75	1.06	1.50	1.84	2.37	2.81	3.35	3/8"	35	20
BA16.175	●		2.0	2.3	0.87	1.24	1.75	2.14	2.77	3.27	3.91	Weight (Metals) = 75 gms. Approx		
BA16.200	●		2.2	2.4	1.00	1.41	2.00	2.45	3.16	3.74	4.47			
BA16.250	●		2.5	2.7	1.25	1.77	2.50	3.06	3.95	4.68	5.59			
BA16.300	●		2.7	3.0	1.50	2.12	3.00	3.67	4.74	5.61	6.71			
BA16.350	●	●	2.9	3.2	1.75	2.47	3.50	4.29	5.53	6.55	7.83			
BA16.400	●	●	3.1	3.5	2.00	2.83	4.00	4.90	6.32	7.48	8.94			
BA16.475	●	●	3.4	3.7	2.37	3.36	4.75	5.82	7.51	8.89	10.62			
BA16.650	●	●	4.0	4.4	3.25	4.60	6.50	7.96	10.28	12.16	14.53			
BA16.800	●	●	4.4	4.9	4.00	5.66	8.00	9.80	12.65	14.97	17.89			
BA26.100	●	●	4.9	5.5	5.00	7.07	10.00	12.25	15.81	18.71	22.36			
BA26.125	●	●	5.5	6.1	6.25	8.84	12.50	15.31	19.76	23.39	27.95			
BA26.160	●	●	6.2	6.9	8.00	11.31	16.00	19.60	25.30	29.93	35.78			
BA26.180	●	●	6.5	7.2	9.00	12.73	18.00	22.05	28.46	33.67	40.25			
BA26.200	●	●	6.9	7.7	10.0	14.14	20.00	24.49	31.62	37.42	44.72			
BA26.225	●	●	7.4	8.2	11.25	15.91	22.50	27.56	35.58	42.09	50.31			

MODEL NO.	END CONNECTION		INLET DIA. NOM (mm)	ORIFICE DIA. NOM (mm)	FLOW CAPACITY IN LPM AT DIFFERENT PRESSURE							G/A DIMENSION. MM		
	1/4"	3/8"			PRESSURE [BAR]									
SPRAY ANGLE	BSP	BSP										CONN.	H	SQ
120°					0.5	1.0	2.0	3.0	5.0	7.0	10.0			
BA18.075	●		1.3	1.4	0.37	0.53	0.75	0.92	1.19	1.40	1.68	1/4"	35	20
BA18.100	●		1.6	1.7	0.50	0.71	1.00	1.22	1.58	1.87	2.24	Weight (Metals) = 75 gms. Approx		
BA18.150	●		1.9	2.1	0.75	1.06	1.50	1.84	2.37	2.81	3.35	3/8"	35	20
BA18.175	●		2.0	2.3	0.87	1.24	1.75	2.14	2.77	3.27	3.91	Weight (Metals) = 75 gms. Approx		
BA18.200	●		2.2	2.4	1.00	1.41	2.00	2.45	3.16	3.74	4.47			
BA18.250	●		2.5	2.7	1.25	1.77	2.50	3.06	3.95	4.68	5.59			
BA18.300	●		2.7	3.0	1.50	2.12	3.00	3.67	4.74	5.61	6.71			
BA18.350	●	●	2.9	3.2	1.75	2.47	3.50	4.29	5.53	6.55	7.83			
BA18.400	●	●	3.1	3.5	2.00	2.83	4.00	4.90	6.32	7.48	8.94			
BA18.475	●	●	3.4	3.7	2.37	3.36	4.75	5.82	7.51	8.89	10.62			
BA18.650	●	●	4.0	4.4	3.25	4.60	6.50	7.96	10.28	12.16	14.53			
BA18.800	●	●	4.4	4.9	4.00	5.66	8.00	9.80	12.65	14.97	17.89			
BA28.100	●	●	4.9	5.5	5.00	7.07	10.00	12.25	15.81	18.71	22.36			
BA28.125	●	●	5.5	6.1	6.25	8.84	12.50	15.31	19.76	23.39	27.95			
BA28.160	●	●	6.2	6.9	8.00	11.31	16.00	19.60	25.30	29.93	35.78			
BA28.180	●	●	6.5	7.2	9.00	12.73	18.00	22.05	28.46	33.67	40.25			
BA28.200	●	●	6.9	7.7	10.0	14.14	20.00	24.49	31.62	37.42	44.72			