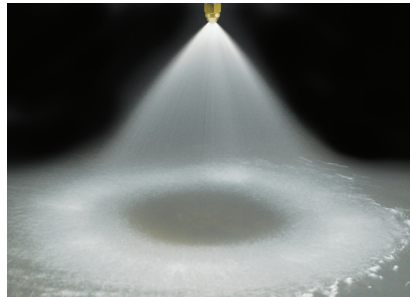
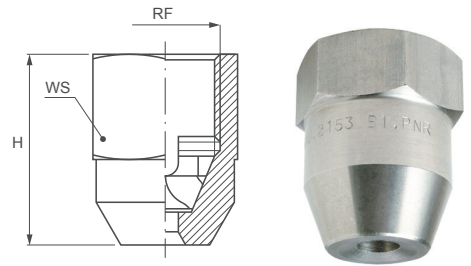
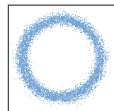


IN LINE SPRAY / INSIDE VANE

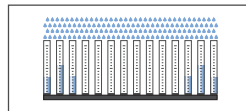
RA nozzles are tangential hollow cone nozzles that produce a finely atomized spray in line with the inlet supply pipe. In their body there is a carefully machined swirl vane with two spiral grooves which produce a wide range of capacities, starting from very low values. The strong centrifugal force inside the vortex chamber creates a high speed rotation of the liquid flow producing an atomized mist. For small capacity RA nozzles we suggest to place a suitable filter before their inlet orifice to avoid clogging.



■ Thread specification: BSP, NPT



Spray section



Concave distribution

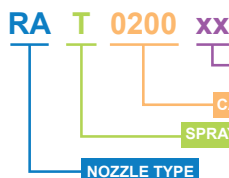
Code	RF inch	D mm	D1 mm	Capacity at different pressure values									Dimensions mm	
				0.5	0.7	1.0	2.0	3.0	5.0	7.0	10	H	WS	
80°	1/8"	1.0	0.5	0.08	0.10	0.12	0.16	0.20	0.26	0.31	0.37	18	17	
		1.7	0.5	0.16	0.19	0.23	0.32	0.39	0.50	0.60	0.71			
60°	3/8"	1.1	0.6	0.20	0.24	0.28	0.40	0.49	0.63	0.75	0.89	29	22	
		1.6	0.6	0.31	0.37	0.44	0.63	0.77	0.99	1.18	1.41			
		2.0	0.6	0.50	0.59	0.70	1.00	1.22	1.58	1.86	2.23			
90°	3/8"	3.0	1.0	0.85	1.00	1.20	1.70	2.08	2.69	3.18	3.80	29	22	
		4.0	1.6	1.25	1.48	1.77	2.50	3.06	3.95	4.67	5.59			
		4.2	1.6	2.00	2.37	2.83	4.00	4.90	6.33	7.48	8.95			
		4.7	1.6	2.50	2.96	3.53	5.00	6.12	7.90	9.35	11.2			
		5.5	1.6	3.15	3.73	4.46	6.30	7.72	9.97	11.8	14.1			
	1/2"	6.3	1.6	4.25	5.02	6.00	8.49	10.4	13.4	15.9	19.0	36	27	
		5.0	1.8	2.00	2.37	2.83	4.00	4.90	6.33	7.48	8.95			
		5.5	1.8	2.25	2.66	3.18	4.50	5.51	7.11	8.42	10.1			
		6.0	1.8	2.80	3.31	3.96	5.60	6.86	8.86	10.5	12.5			
		6.3	2.0	4.00	4.73	5.66	8.00	9.80	12.7	15.0	17.9			
6.7	2.0	5.59	6.62	7.91	11.2	13.7	17.7	20.9	25.0					
7.5	2.0	6.25	7.39	8.83	12.5	15.3	19.8	23.4	27.9					
9.0	2.0	8.00	9.47	11.3	16.0	19.6	25.3	29.9	35.8					

Typical applications

- Cooling: gas, products, pipes cooling
- Washing: exhaust scrubbers, parts washing
- Other applications: dust control, humidification and air refreshing systems

HOW TO MAKE UP THE NOZZLE CODE

EX.: RAT 0200 B31



- MATERIAL**
 - B31 - AISI 316L Stainless steel
 - T1 - Brass
 - B1 - AISI 303 Stainless steel (optional)
- SPRAY ANGLE**
 - T - 80°
 - Q - 60°
 - U - 90°