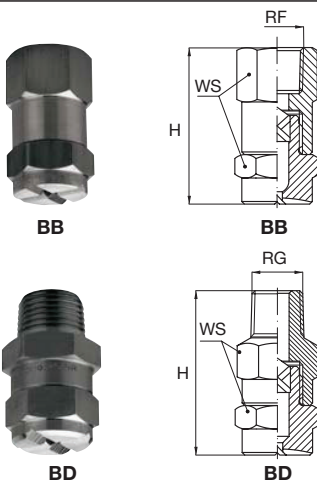


## FULL CONE NOZZLES

### BB/BD



#### X-VANE / SQUARE SPRAY / THREE PIECES

Same three-piece nozzle can also be manufactured to supply a square section spray pattern, to optimize their performance where the coverage of a surface is required to be as even as possible. Please note that the sides of the square spray section are not in line with the grooves on the nozzle orifice, the offset angle being between 10° and 15° depending upon working pressure and distance. The proper alignment of the nozzles should be obtained at the time when the system is installed or serviced.

Materials	B1	AISI 303 Stainless steel
	B3	AISI 316 Stainless steel on request
	T1	Brass

#### Square spray

BBQ	BDQ	Code	RF RG inch	D mm	D1 mm	Capacity at different pressure values (lpm)							Spray angle (degrees) at pressure (bar)		
						0.7	1.0	2.0	3.0	5.0	7.0	10	0.7	1.5	5.0
•	•	1270	1/8	1.8	1.0	1.30	1.56	2.20	2.70	3.49	4.12	4.93	42	55	48
•	•	1360		1.9	1.3	1.74	2.08	2.94	3.60	4.65	5.50	6.57	48	60	60
•	•	1440		2.1	1.3	2.13	2.54	3.59	4.40	5.68	6.72	8.03	60	65	60
•	•	1740	1/4	2.8	1.6	3.57	4.27	6.04	7.40	9.55	11.3	13.5	60	65	60
•	•	1890		3.2	1.6	4.30	5.14	7.27	8.90	11.5	13.6	16.2	65	67	60
•	•	2110		3.8	1.6	5.31	6.35	8.98	11.0	14.2	16.8	20.1	75	80	75
•	•	2133	3/8	3.8	2.4	6.42	7.68	10.9	13.3	17.2	20.3	24.3	70	72	65
•	•	2210	1/2	5.6	3.0	10.1	12.1	17.2	21.0	27.1	32.1	38.3	70	74	65
•	•	2270		6.4	3.2	13.0	15.6	22.0	27.0	34.9	41.2	49.3	75	80	75

#### Common Applications

Drop production in chemical reactors  
Scrubbing and washing with recirculated liquids  
Washing and rinsing processes

#### Accessories

Assembly clamps for feed pipes  
Swivel joints  
Strainers  
One way valves

#### Dimensions and weights

Nozzle Type	RF/RG inch	H mm	WS mm	W kg
BA/BB	1/8	30	14	0.03
	1/4	37	17	0.04
	3/8	46	19	0.07
	1/2	57	25	0.20

Nozzle Type	RF/RG inch	H mm	WS mm	W kg
BC/BD	1/8	32	14	0.02
	1/4	39	17	0.04
	3/8	47	19	0.07
	1/2	57	25	0.20