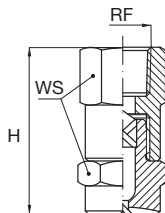


BB/BD



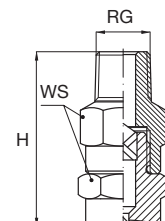
BB



BB



BD



BD

X-VANE / SQUARE SPRAY / THREE PIECES

This is the same three-piece nozzle as the BA/BC design, but manufactured to produce a square section spray pattern. With this shape spray pattern it is possible to optimize the coverage or zone of a surface. Please note that the sides of the square spray section are not in line with the grooves on the nozzle orifice, the offset angle is 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
 B31 AISI 316L Stainless steel on request
 T1 Brass

Square spray

BBQ	BDQ	Code	RF RG	D mm	D1 mm	Capacity at different pressure values						lpm bar	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
						inch	mm	mm	mm	mm	mm		mm	bar	bar	bar
•	•	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