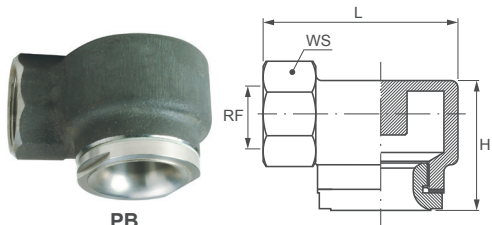


PA

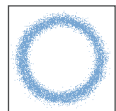


PB

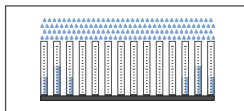
TANGENTIAL NOZZLES

PA/PB tangential nozzles generate a hollow cone spray pattern of finely atomized droplets and work on the tangential flow principle. They are designed with a tangential method of atomization. Inside these nozzles there is an axial groove that injects the liquid tangentially into the vortex chamber where the strong centrifugal force produces a high rotational velocity and generates a finely atomized liquid flow. As these nozzles have a large free passage inside and no swirl insert, they offer the maximum resistance to clogging. PA/PB nozzles are widely used in exhaust scrubbers and are suitable to spray flows with particles.

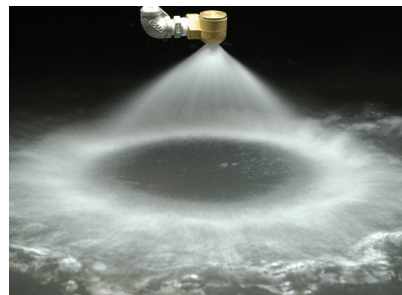
- **Typical applications**
Washing: exhaust scrubbers, desulfuration, denitrification
Cooling: cooling of high temperature gas, product cooling
- **Thread specification:** BSP, NPT (on request)



Spray section



Concave distribution



Code	RF inch	DE mm	DU mm	Capacity at different pressure values										Dimensions mm			
				0.3	0.5	0.7	1.0	2.0	3.0	5.0	7.0	10	H	L	WS		
70°				0.54	0.69	0.82	0.98	1.39	1.70	2.19	2.60	3.10	27	37	22		
90°				1.23	1.59	1.88	2.25	3.18	3.90	5.03	5.96	7.12	38	46	27		
				2.12	2.74	3.24	3.87	5.47	6.70	8.65	10.2	12.2					
				2.69	3.47	4.11	4.91	6.94	8.50	11.0	13.0	15.5					
				3.64	4.69	5.56	6.64	9.39	11.5	14.8	17.6	21.0					
				6.96	8.98	10.6	12.7	18.0	22.0	28.4	33.6	40.2	48	60	36		
				9.5	11.5	10.1	13.1	15.5	18.5	26.1	32.0	41.3	48.9	58.4			
				9.6	14.0	13.3	17.1	20.3	24.2	34.3	42.0	54.2	64.2	76.7			
				13.7	23.1	29.8	35.3	42.1	59.6	73.0	94.2	112	133	60	75	46	
				16.5	30.7	39.6	46.9	56.0	79.2	97.0	125	148	177				
				19.5	46.5	60.0	71.0	84.9	120	147	190	225	268	90	93	60	
				22.0	61.3	79.2	93.7	112	158	194	250	296	354				
				26.5	77.2	99.6	118	141	199	244	315	373	445	127	117	80	
				28.5	93.0	120	142	170	240	294	380	449	537				
				29.5	115	149	176	210	297	364	470	556	665	156	140	100	
				36.5	155	200	237	283	400	490	633	748	895				
				45.0	191	247	292	349	494	605	781	924	1105				
130°				1.23	1.59	1.88	2.25	3.18	3.90	5.03	5.96	7.12	27	37	22		
				2.69	3.47	4.11	4.91	6.94	8.50	11.0	13.0	15.5					
				3.10	4.00	4.73	5.66	8.00	9.80	12.7	15.0	17.9	35	46	27		
				4.05	5.23	6.18	7.39	10.5	12.8	16.5	19.6	23.4					
				6.58	8.49	10.0	12.0	17.0	20.8	26.9	31.8	38.0					
				6.96	8.98	10.6	12.7	18.0	22.0	28.4	33.6	40.2	50	60	36		
				10.1	13.1	15.5	18.5	26.1	32.0	41.3	48.9	58.4					
				13.3	17.1	20.3	24.2	34.3	42.0	54.2	64.2	76.7					
				13.4	26.0	23.1	29.8	35.3	42.1	59.6	73.0	94.2	112	133	60	93	47
				14.0	26.0	30.7	39.6	46.9	56.0	79.2	97.0	125	148	177			
				15.0	37.0	46.5	60.0	71.0	84.9	120	147	190	225	268	75	111	60
				19.5	37.0	61.3	79.2	93.7	112	158	194	250	296	354			
				22.0	45.0	77.2	99.6	118	141	199	244	315	373	445	91	140	75
				27.1	45.0	93.0	120	142	170	240	294	380	449	537			
				25.5	64.0	115	149	176	210	297	364	470	556	665	128	193	90
				33.0	64.0	155	200	237	283	400	490	633	748	895			
				38.0	64.0	191	247	292	349	494	605	781	924	1105			
				43.0	64.0	210	271	321	384	543	665	859	1016	1214			

THREAD SIZE AND MATERIALS

The table on the right side shows thread size and materials

Material	3/8"	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"
B31 - AISI 316L SS				•	•	•	•
T1 - Brass	•	•	•	•			

HOW TO MAKE UP THE NOZZLE CODE

EX.: PAS 1170 B31

