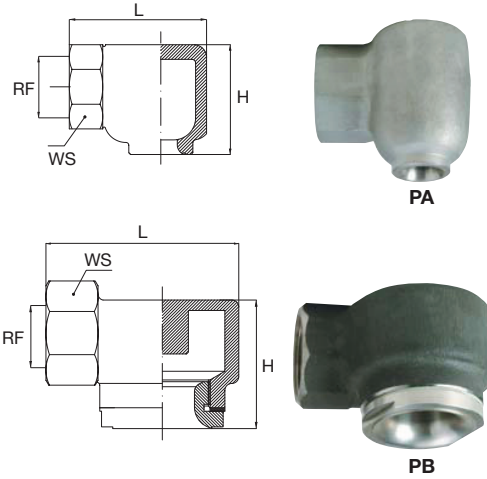


HOLLOW CONE NOZZLES

PA/PB

TANGENTIAL NOZZLES

PA type nozzles produce a hollow cone jet working on the tangential flow principle, with a nominal spray angle of 90° and form a ring shaped impact area. The nozzle has no internal vane and the centrifugal force inside the whirl chamber provides the energy to break up the liquid being sprayed. The narrowest section through the nozzle is normally the water inlet diameter for standard angle nozzles (shown as DE in the table below), and the outlet orifice for the wide angle nozzles (shown as DU) these nozzles offer a remarkable resistance to clogging and avoid costly downtime for dismantling and cleaning operations. Sizes up to 3/4" are made out of a drop-forged body, with an upper cover for nozzle cleaning. Sizes from 1" and bigger are machined from a one piece casting.



Materials B31 AISI 316 L Stainless steel
 T1 Brass

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°	PAS 1170 xx	3/8	3.5	2.0		0.69	0.72	0.98	1.39	1.70	2.19	2.60	3.10	27	37	22
90°	PAU 1390 xx	3/8	4.0	3.8	1.23	1.59	1.88	2.25	3.18	3.90	5.03	5.96	7.12	38	46	27
	PAU 1670 xx	1/2	5.6	5.2	2.12	2.74	3.24	3.87	5.47	6.70	8.65	10.2	12.2			
	PAU 1850 xx		5.7	6.0	2.69	3.47	4.11	4.91	6.94	8.50	11.0	13.0	15.5			
	PAU 2115 xx		6.6	6.9	3.64	4.69	5.56	6.64	9.39	11.5	14.8	17.6	21.0			
	PAU 2220 xx	3/4	8.5	9.0	6.96	8.98	10.6	12.7	18.0	22.0	28.4	33.6	40.2	48	60	36
	PAU 2320 xx		9.5	11.5	10.1	13.1	15.5	18.5	26.1	32.0	41.3	48.9	58.4			
	PAU 2420 xx		9.6	14.0	13.3	17.1	20.3	24.2	34.3	42.0	54.2	64.2	76.7	60	75	46
	PAU 2730 xx	1	20x10	13.7	23.1	29.8	35.3	42.1	59.6	73.0	94.2	112	133			
	PAU 2970 xx			16.5	30.7	39.6	46.9	56.0	79.2	97.0	125	148	177			
	PAU 3147 xx	1+1/2	32x16	19.5	46.5	60.0	71.0	84.9	120	147	190	225	268			
	PAU 3194 xx			22.0	61.3	79.2	93.7	112	158	194	250	296	354	90	93	60
	PAU 3244 xx	2	35x20	26.5	77.2	99.6	118	141	199	244	315	373	445			
	PAU 3294 xx			28.5	93.0	120	142	170	240	294	380	449	537	127	117	80
	PAU 3364 xx	2+1/2	40x40	29.5	115	149	176	210	297	364	470	556	665			
PAU 3490 xx			36.5	155	200	237	283	400	490	633	748	895				
PAU 3605 xx			45.0	191	247	292	349	494	605	781	924	1105				
130°	PBY 1390 xx	3/8	3.5	4.5		1.59	1.88	2.25	3.18	3.90	5.03	5.96	7.12	27	37	22
	PBY 1850 xx		4.4	7.5	2.69	3.47	4.11	4.91	6.94	8.50	11.0	13.0	15.5	35	46	27
	PBY 1980 xx	1/2	4.0	12	3.10	4.00	4.73	5.66	8.00	9.80	12.7	15.0	17.9			
	PBY 2128 xx		4.7	12	4.05	5.23	6.18	7.39	10.5	12.8	16.5	19.6	23.4			
	PBY 2208 xx		6.5	12	6.58	8.49	10.0	12.0	17.0	20.8	26.9	31.6	38.0			
	PBY 2220 xx	3/4	6.1	15	6.96	8.98	10.6	12.7	18.0	22.0	28.4	33.6	40.2	50	60	36
	PBY 2320 xx		6.5	19	10.1	13.1	15.5	18.5	26.1	32.0	41.3	48.9	58.4			
	PBY 2420 xx		8.0	19	13.3	17.1	20.3	24.2	34.3	42.0	54.2	64.2	76.7	60	93	47
	PBY 2730 xx	1	13.4	26	23.1	29.8	35.3	42.1	59.6	73.0	94.2	112	133			
	PBY 2970 xx		14.0	26	30.7	39.6	46.9	56.0	79.2	97.0	125	148	177			
	PBY 3147 xx	1+1/2	15.0	37	46.5	60.0	71.0	84.9	120	147	190	225	268			
	PBY 3194 xx		19.5	37	61.3	79.2	93.7	112	158	194	250	296	354	75	111	60
	PBY 3244 xx	2	22.0	45	77.2	99.6	118	141	199	244	315	373	445			
	PBY 3294 xx		27.1	45	93.0	120	142	170	240	294	380	449	537	91	140	75
	PBY 3364 xx	2+1/2	25.5	64	115	149	176	210	297	364	470	556	665			
	PBY 3490 xx		33.0	64	155	200	237	283	400	490	633	748	895			
	PBY 3605 xx		38.0	64	191	247	292	349	494	605	781	924	1105			
	PBY 3665 xx		43.0	64	210	271	321	384	543	665	858	1016	1214			

Material table	3/8"	1/2"	3/4"	1"	1+1/2"	2"	2+1/2"
AISI 316L				•	•	•	•
Brass	•	•	•	•			