

## FULL CONE NOZZLES

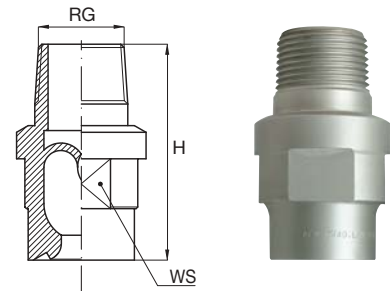
AL

## S-TYPE VANE

AL style nozzles offer distinct advantages due to their special construction, with an integrated S-shape vane cast in one piece with the nozzle body.

Because of their special design they offer the largest free passage available in a full cone nozzle (actually identical to the nozzle orifice diameter) and can easily handle dirty or recirculated liquids as well as foreign matters.

The best reliability is then assured under the most difficult conditions, which makes these nozzles the right choice in those plants with nozzle clogging problems or where removing and cleaning a clogged nozzle is a difficult job.



Materials B31 AISI 316 L Stainless steel  
Or any castable alloy on request.

ALU 90°	ALW 120°	Code	RG inch	D mm	Capacity at different pressure values							H mm	WS mm	DIA mm	W Kg
					0.25	0.5	1.0	2.0	3.0	4.0	5.0				
•	•	2208 xx	3/8		5.82	8.53	11.9	17.1	20.8	23.9	26.8	38	22		0.10
•	•	2209 xx	1/2		5.82	8.53	11.9	17.1	20.8	23.9	26.8	48	27		0.15
•	•	2373 xx			10.4	15.3	21.3	30.6	37.3	42.9	48.1				
•	•	2671 xx	3/4	8.7	19.4	27.4	38.7	54.8	67.1	77.5	86.6	60	32		0.20
•	•	2792 xx		9.5	22.9	32.3	45.7	64.7	79.2	91.5	102				
•	•	2793 xx	1	9.5	22.9	32.3	45.7	64.7	79.2	91.5	102	75	38		0.35
•	•	2959 xx		10.3	27.5	38.9	55.0	77.7	95.9	110	123				
•	•	3111 xx		11.1	32.0	45.3	64.1	90.6	112	128	143				
•	•	3112 xx	1+1/4	11.1	32.0	45.3	64.1	90.6	112	128	143	86	50		0.60
•	•	3144 xx		12.7	41.3	58.4	82.6	117	144	165	185				
•	•	3160 xx		13.5	45.9	64.9	91.8	130	160	184	205				
•	•	3175 xx		14.3	50.5	71.4	101	143	176	202	226				
•	•	3176 xx	1+1/2	14.3	50.5	71.4	101	143	176	202	226	86	50		0.60
•	•	3198 xx		15.1	57.2	80.8	114	162	198	229	256	112	60		0.90
•	•	3212 xx		15.9	61.2	86.5	122	173	212	245	274				
•	•	3227 xx		16.7	74.2	105	148	210	257	297	332				
•	•	3270 xx		17.5	77.9	110	156	220	270	312	349				
•	•	3328 xx	2	19.0	94.7	134	189	268	328	379	423	160		70	1.6
•	•	3360 xx		20.6	104	147	208	294	360	416	465				
•	•	3445 xx		22.3	128	182	257	363	445	514	574				
•	•	3499 xx		23.8	144	204	288	407	499	576	644				
•	•	3586 xx		25.4	167	237	335	474	586	671	750				
•	•	3714 xx		28.5	206	291	412	583	714	824	922				

AL style nozzles feature a special S-vane design, allowing the narrowest free passage inside the nozzle to be approximately equal to the nozzle orifice diameter.

They offer therefore the widest possible passage among all full cone nozzles working with an internal vane.

**Common Applications**

Fire protection  
Gas scrubbers  
Cooling  
Washing gravel  
Dust control