

FULL CONE NOZZLES

AL

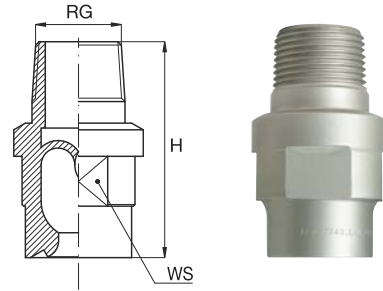
S-TYPE VANE

AL style nozzles are a one piece design construction with an integrated S-shape vane cast into the nozzle body.

This special design offers the largest free passage available in a full cone nozzle (identical to the nozzle orifice diameter) and can easily handle foreign bodies which can be found in dirty or re-circulated liquids.

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 316L Stainless steel**
 Or any alloy on request.



ALU 90°	ALW 120°	Code	RG inch	D mm	Capacity at different pressure values						lpm bar	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