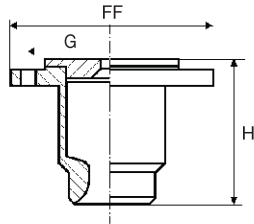


FULL CONE NOZZLES

AE



SLOTTED VANE

AE type nozzles are designed to deliver large to very large flow values. With a carefully designed and machined internal profile they produce a uniform spray distribution, performing perfectly even with very low inlet pressures.

Depending on the size, the nozzle is made from castings or it is welded from sheet steel and has an upper flange for connection to the feed line (maximum safe working pressure is equal to 16 bar).

Typical applications for these nozzles are coke quenching, inside conditioning of towers and any other application requesting efficient cooling over large surfaces.

Materials A1 Carbon steel
B31 AISI 316L Stainless steel
G1 Cast iron

Code	DN mm	D mm	D1 mm	Capacity at different pressure values								lpm bar	FF mm	G mm	H mm
				0.25	0.35	0.5	0.7	1.0	2.0	3.0	5.0				
90°	AEU 3940 xx	80	37	12	340	405	442	520	599	788	940	1195	200	160	140
	AEU 4118 xx		39	14	425	505	568	670	740	987	1180	1480			
	AEU 4147 xx	100	43	13	535	630	700	830	940	1230	1470	1825	220	180	156
	AEU 4188 xx	125	53	16	680	810	900	1060	1180	1595	1880	2340	250	210	177
	AEU 4235 xx		56	16	845	1010	1128	1335	1495	1975	2350	2590			
	AEU 4294 xx	150	59	21	1065	1265	1398	1650	1880	2490	2940	3630	285	240	188
	AEU 4370 xx		66	24	1345	1593	1795	2120	2320	3140	3700	4610			
	AEU 4470 xx	200	72	28	1710	2020	2180	2565	2995	3930	4700	5860	340	295	250
	AEU 4588 xx		81	32	2135	2530	2760	3300	3635	4940	5880	7310			
	AEU 4741 xx	250	88	39	2650	3185	3590	4245	4690	6150	7410	9120	395	350	291
AEU 4941 xx		99	37	3410	4050	4520	5350	5980	7880	9410	11650				
120°	AEW 3940 xx	80	36	15	340	405	442	520	599	788	940	1195	200	160	140
	AEW 4118 xx		40.5	14.5	425	505	568	670	740	987	1180	1480			
	AEW 4147 xx	100	43	18.5	535	630	700	830	940	1230	1470	1825	220	180	156
	AEW 4188 xx	125	53	22	680	810	900	1060	1180	1595	1880	2340	250	210	177
	AEW 4235 xx		55	24	845	1010	1128	1335	1495	1975	2350	2590			
	AEW 4294 xx	150	59	28	1065	1265	1398	1650	1880	2490	2940	3630	285	240	188
	AEW 4370 xx		66	32	1345	1593	1795	2120	2320	3140	3700	4610			
	AEW 4470 xx	200	75	35	1710	2020	2180	2565	2995	3930	4700	5860	340	295	250
	AEW 4588 xx		81	40	2135	2530	2760	3300	3635	4940	5880	7310			
	AEW 4741 xx	250	86	37	2650	3185	3590	4245	4690	6150	7410	9120	395	350	291
AEW 4941 xx		96	42	3410	4050	4520	5350	5980	7880	9410	11650				

Common Applications

Coke quenching
Cooling