

CONTINUOUS CASTING

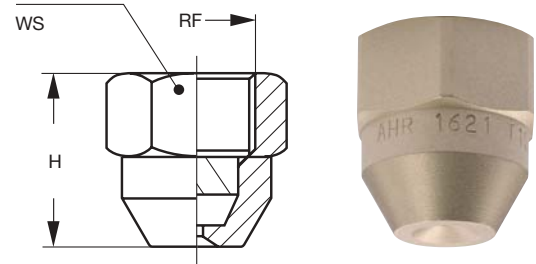
AH

FULL CONE NOZZLES / DISC VANE

AH nozzles produce a full cone spray pattern, with a very uniform liquid distribution over the entire coverage area.

The special design of the internal vane, which does not have any small dimensional center passage, assures for excellent resistance to clogging.

Based on the above two features, AH series nozzles are widely used in continuous casting plants all over the world and have supplied years of trouble-free service.



Connection Npt female
Material T1 Brass

Tip Code	RF inch	D mm	Nozzle flow values at different pressure values					H mm	WS mm			
			15	30	45	60	75					
65°	1/4	1.9	0.48	0.66	0.82	0.95	1.10	27.5	19.0			
		2.0	0.60	0.80	0.95	1.10	1.20					
		2.2	0.64	0.87	1.10	1.24	1.40					
		2.6	0.80	1.14	1.38	1.56	1.77					
	3/8	1.0	0.32	0.45	0.56	0.64	0.71	25.0	22.0			
		1.9	0.48	0.66	0.82	0.95	1.10					
		2.0	0.50	0.74	0.90	1.03	1.16					
		2.1	0.56	0.77	0.95	1.11	1.24					
		2.2	0.63	0.90	1.08	1.27	1.40					
		2.5	0.71	1.00	1.24	1.43	1.60					
		2.6	0.80	1.11	1.38	1.40	1.77					
		2.7	0.93	1.32	1.64	1.90	2.12					
		2.9	1.19	1.70	2.06	2.38	2.65					
		3.1	1.27	1.80	2.20	2.54	2.83					
		3.3	1.32	1.90	2.30	2.70	3.01					
3.3	1.57	2.22	2.72	3.14	3.51							
1/2	4.2	1.72	2.41	2.91	3.36	3.76	36.0	27.0				
	4.2	2.12	3.10	3.81	4.40	4.90						
	5.0	2.33	3.33	4.07	4.76	5.30						
80°	1/4	2.2	0.48	0.66	0.82	0.95	1.10	27.5	19			
		2.0	0.60	0.80	0.95	1.10	1.20					
		2.2	0.64	0.87	1.10	1.24	1.40					
		2.6	0.80	1.14	1.38	1.56	1.77					
	3/8	1.9	0.48	0.66	0.82	0.95	1.10	25.0	22.0			
		2.0	0.50	0.74	0.90	1.03	1.16					
		2.1	0.56	0.77	0.95	1.11	1.24					
		2.2	0.63	0.90	1.08	1.27	1.40					
		2.6	0.80	1.11	1.38	1.40	1.77					
		2.7	0.93	1.32	1.64	1.90	2.12					
		2.9	1.19	1.70	2.06	2.38	2.65					
		3.1	0.82	1.27	2.20	2.54	2.83					
		3.3	1.32	1.90	2.30	2.70	3.01					
		1/2	4.2	1.72	2.41	2.91	3.36			3.76	36.0	27.0
			4.2	2.12	3.10	3.81	4.40			4.90		

DISC VANE

The special design of this vane uses a series of peripheral passages to create the whirl action into the water stream flowing through the nozzle.

A series of milled grooves on the lower side of the vane, facing the inside of the whirl chamber, acts as an hydrodynamic brake over the fluid whirling at the center of the chamber, and provides for the water exiting the nozzle to be arranged into an evenly distributed full cone spray pattern.

As a safety feature all our nozzles have their vanes secured in place, so as not to exit from the nozzle body in case of dimensional change due to high temperature or a sudden vacuum condition in the feed pipes.

