

# Axial-Flow Hollow Cone Nozzle HI

# MC

## Characteristics

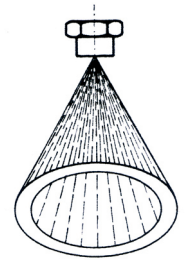
Hollow cone spray pattern with circular surface wetting by means of a swirl insert.

## Application

Air gas washing  
Dust suppression  
Cooling  
Cleaning  
Atomization drying  
Desuperheating steam

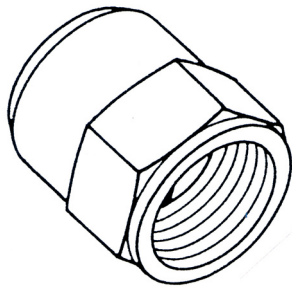
## Material

Brass  
Steel  
Stainless steel  
Plastic  
Others on request

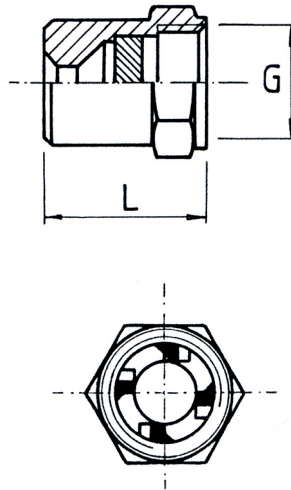


Hollow cone spray pattern

Illu. 1



Illu. 2



Thread G ISO 228	Dimensions in mm	
	L	SW
1/8" x 7	26	14
1/4" x 10	30	17
3/8" x 10	34	22
1/2" x 13	40	24
3/4" x 15	44	32
1" x 17	48	36

Plastic nozzles can feature different SWs.

**Order example: (thread - type - spray angle - material) 3/8" - HI 7 - 60° - V2A**

B = outlet bore, E = smallest section, drillings can slightly vary for different spray angles

Spray angles available: 45°-60°-90°-120°, other spray angles available on request

Female thread G Iso 228						Type	Bore (mm)		Flow rate $\dot{V}$ (l/min.) at pressure p (bar)													
1/8"	1/4"	3/8"	1/2"	3/4"	1"		B	E	0.3	0.5	1	1.5	2	3	4	5	6	7	10	20		
*	*					HI 1	1.2	0.5			0.35	0.41	0.47	0.56	0.64	0.72	0.79	0.85	1.00	1.90		
*	*					HI 2	1.3	1.5			0.46	0.53	0.61	0.80	0.89	1.10	1.30	1.50	1.90	2.80		
*	*					HI 3	1.3	0.7			0.70	0.86	1.00	1.20	1.40	1.65	1.80	2.00	2.30	3.30		
*	*					HI 4	1.8	1.0			1.00	1.30	1.65	2.00	2.60	3.20	3.70	4.20	4.60	5.80	8.10	
*	*					HI 5	2.0	1.0			1.50	1.90	2.30	2.60	3.20	3.80	4.30	4.70	5.20	6.30	9.20	
*	*					HI 6	2.5	1.0			1.90	2.30	2.70	3.20	3.90	4.60	5.20	5.70	6.20	8.50	12.6	
*	*	*				HI 7	3.2	1.2			2.30	3.20	3.90	4.60	5.60	6.40	7.20	7.90	8.50	12.2	14.3	
	*	*				HI 8	3.8	1.5			2.60	3.80	4.60	5.40	6.60	7.70	8.60	9.40	10.2	12.3	17.5	
	*	*	*			HI 9	3.5	1.2			3.20	4.50	5.50	6.50	7.60	8.80	10.0	11.0	12.0	14.5	21.0	
	*	*	*			HI 10	4.0	1.2			4.00	5.30	6.40	8.00	10.0	11.2	12.5	14.0	15.5	18.0	24.0	
	*	*	*			HI 11	4.6	1.5			4.50	6.20	7.50	8.50	10.2	11.8	13.1	14.5	16.5	19.0	26.0	
		*	*			HI 12	4.8	2.0			4.00	5.50	7.60	9.50	11.5	13.0	15.3	17.0	19.0	20.5	35.0	
		*	*			HI 13	5.0	2.0			4.50	6.30	9.00	10.7	12.5	15.0	17.5	19.5	22.0	24.0	40.0	
		*	*	*		HI 14	5.5	2.5			5.50	7.80	11.0	13.5	16.0	19.0	22.5	25.0	27.0	30.5	50.0	
			*	*		HI 15	6.0	2.5			6.50	8.70	12.0	14.5	17.5	20.0	23.5	26.0	28.0	30.5	54.0	
			*	*		HI 16	6.4	2.5			7.50	10.0	14.0	17.5	20.0	24.5	28.0	31.0	35.0	38.0	45.0	62.0
			*	*	*	HI 17	6.6	3.0			9.00	12.5	18.0	21.5	25.0	30.5	36.0	40.0	45.0	48.0	56.0	78.0
				*	*	HI 18	7.0	3.5			11.7	15.0	21.3	22.5	30.0	36.6	42.3	47.4	51.6	56.1	66.9	94.8
				*	*	HI 19	7.5	3.5			15.6	20.0	28.4	30.0	40.0	48.8	56.4	63.2	68.8	74.8	89.2	126
				*	*	HI 20	7.8	4.0			19.5	25.0	35.5	37.5	50.0	61.0	70.5	79.0	86.0	93.5	112	158