Axial-Flow Hollow Cone Nozzle H

Nozzle with swirl insert

Characteristics

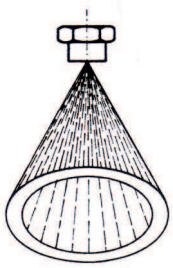
Hollow cone spray pattern with circular surface wetting by means of a swirl insert.

Application

Air and gas washing
Dust suppression
Cooling
Cleaning
Atomization drying
Desuperheating steam

Material

Brass
Steel
Stainless steel
Plastic
Others on request



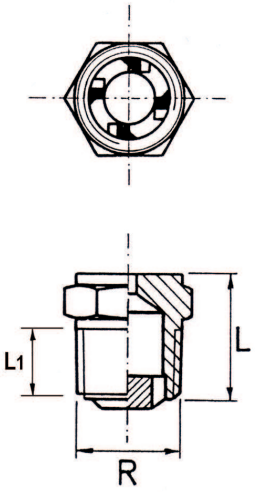
Hollow cone spray pattern

Dimensions in mm				
R + G	L 45°-90°	L 120°	L1	SW
1/8“	15	18	7	13
1/4“	18	18	10	14
3/8“	19	19	10	17
1/2“	25	25	13	22
3/4“	26	34*	15	27
1“	30	40*	17	36

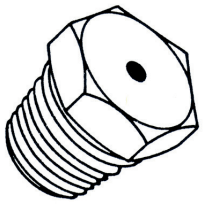
Thread R = DIN 2999
* is thread G ISO 228

Plastic nozzles can feature other SWs.

Illu. 1

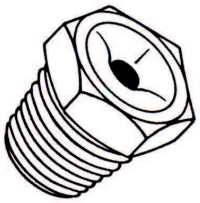


Illu. 2



Spray pattern
45° - 60° - 90°

Illu. 3



Wide-angle
spray pattern 120°

Order example: (thread - type - spray angle - material) 3/8“ - H 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

Male thread R DIN 2999						Type	Bore (mm)		Flow rate V̇ (l/min.) at pressure p (bar)											
1/8“	1/4“	3/8“	1/2“	3/4“	1“		B	E	bar 0.3	bar 0.5	bar 1	bar 1.5	bar 2	bar 3	bar 4	bar 5	bar 6	bar 7	bar 10	bar 20
*	*					**H 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
*	*					**H 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
*	*					**H 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
*	*					**H 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
*	*					**H 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
	*					**H 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
	*	*				**H 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
	*	*				**H 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
		*	*			**H 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
		*	*			**H 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
		*	*			**H 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
		*	*			**H 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	25.0	35.0
		*	*			**H 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	28.0	40.0
			*	*		**H 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	36.0	50.0
			*	*		**H 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	38.0	54.0
				*		**H 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
				*	*	**H 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
					*	**H 18**	7.0	3.0	11.7	15.0	21.3	22.5	30.0	36.6	42.3	47.4	51.6	56.1	66.9	94.8
					*	**H 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
					*	**H 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

Subject to technical alterations!