

H series solid stream nozzles

DESIGN FEATURES

H series nozzle can produce the maximum spray particle size and maximum impact force.

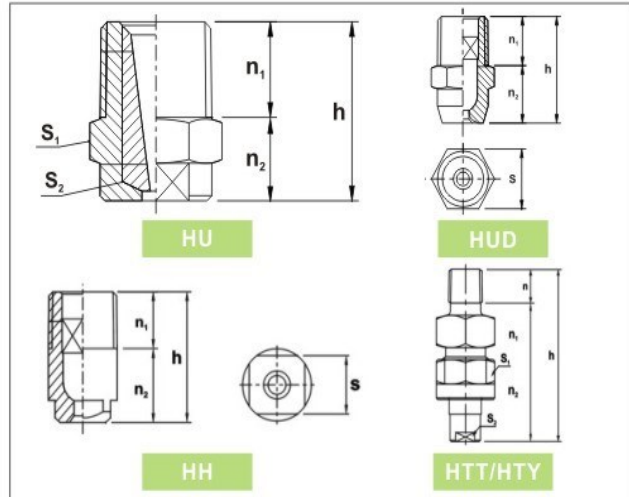
Spray angle :0 degree

Material :SS ,Brass



SIZE AND DIMENSIONS

Series	Nozzle Inlet Conn. NPT or BSPT	Dimensions(mm)					Weight(g)	
		n1	n2	h	s1	s2	SS	BRASS
HU	1/8	10	12	22	14	10	16	18
	1/4	10	12	22	14	10	18	20
HUD	1/4	14	21	35	17	10	18	20
	3/8	17	23.5	40.5	21	12	43	48
	1/2	20	33	53	27	16	56	62
HH	3/4	22	65.5	87.5	33	20	100	110
	1/8	12	18	30	14	8	10	11
	1/4	14	21	35	17	10	18	20
	3/8	17	23.5	40.5	21	12	30	33
	1/2	20	33	53	27	16	40	44
	3/4	22	65.5	87.5	33	20	100	110
	1	25	78	103	53	24	200	220
HTT & HTY	1-1/4	25	113	138	59	32	570	620
	2	28	147	175	76	44	800	880
HTT & HTY	1/8	10	40	50	22	10	57	62
	1/4	11	41	52	22	10	60	65
	3/8	13	41	54	22	10	117	126
	1/2	15	41	56	22	10	137	148



PERFORMANCE DATA

HUD

Nozzle Inlet Conn. NPT or BSPT				Capacity size	Capacity (liters per minute)										Free Pass Dia (mm)	Mean Drop Dia. (µm)
1/4	3/8	1/2	3/4		0.5bar	1.0bar	2.0bar	3.0bar	5.0bar	10.0bar	15.0bar	20.0bar	30.0bar			
●				040	—	2.12	2.91	3.51	4.00	4.72	5.81	6.67	7.72	1.8	380	
●				050	—	2.65	3.64	4.38	5.00	5.9	7.27	8.34	9.64	1.8		
●				060	2.51	3.18	4.37	5.26	6.00	7.08	8.72	10.0	11.6	1.8		
	●			070	2.93	3.71	5.09	6.14	7.00	8.26	10.2	11.7	13.5	2.6	480	
	●			080	3.35	4.24	5.82	7.01	8.00	9.44	11.6	13.3	15.4	2.6		
	●			10	4.19	5.29	7.28	8.77	10.0	11.8	14.5	16.7	19.3	2.6		
	●			12	5.03	6.35	8.73	10.5	12.0	14.2	17.4	20.0	23.1	2.6	660	
		●		14	5.86	7.41	10.2	12.3	14.0	16.5	20.3	23.3	27.0	3.5		
		●		16	6.70	8.47	11.6	14	16.0	18.9	23.3	26.7	30.9	3.5		
		●		18	7.54	9.53	13.1	15.8	18.0	21.2	26.2	30.0	34.7	3.5	740	
		●		20	8.38	10.6	14.6	17.5	20.0	23.6	29.1	33.4	38.6	3.5		
			●	23	9.63	12.2	16.7	20.2	23.0	27.1	33.4	38.4	44.4	4.7		
			●	26	10.9	13.8	18.9	22.8	26.0	30.7	37.8	43.4	50.1	4.7	630	
			●	30	12.6	15.9	21.8	26.3	30.0	35.4	43.6	50.0	57.9	4.7		
			●	35	14.7	18.5	25.5	30.7	35.0	41.3	50.9	58.4	67.5	4.7		
			●	40	16.8	21.2	29.1	35.1	40.0	47.2	58.1	66.7	77.2	4.7		
			●	45	18.8	23.8	32.7	39.5	45.0	53.1	65.4	75.0	86.8	4.7		

HU

For Liquid

Nozzle Inlet Conn. NPT or BSPT	Capacity size	Orifice Diam.No m.(mm)	Capacity (liters per minute)									
			0.5bar	1.0bar	2.0bar	3.0bar	5.0bar	10.0bar	15.0bar	20.0bar	30.0bar	
1/8, 1/4	360	1.02	0.32	0.45	0.63	0.77	1	1.41	1.73	1.99	2.44	
	400	1.3	0.5	0.71	1	1.22	1.58	2.24	2.74	3.16	3.87	
	480	1.35	0.8	1.13	1.6	1.96	2.53	3.58	4.38	5.06	6.2	
	560	1.7	1.25	1.77	2.5	3.06	3.95	5.59	6.85	7.91	9.68	
	640	2.1	2	2.83	4	4.9	6.32	8.94	10.95	12.65	15.49	
	720	2.65	3.16	4.45	6.3	7.72	9.96	14.09	17.25	19.92	24.4	
	800	3.35	5	7.07	10	12.25	15.81	22.36	27.39	31.62	38.73	

HU
For Air and steam

Nozzle Inlet Conn. NPT or BSPT	Capacity size	Orifice Diam.No m.(mm)	Capacity -for AIR liters per minute				Capacity -for STEAM (kilograms per hour)			
			1bar	2bar	3bar	5bar	1bar	2bar	3bar	5bar
1/8,1/4	360	1.02	0.8	1.0	1.3	2.0	0.8	1.2	1.5	2.2
	400	1.3	1.0	2.0	2.0	3.0	1.3	1.9	2.5	3.7
	480	1.35	1.5	2.5	3.0	4.6	1.9	2.8	3.7	5.5
	560	1.7	2.5	4.0	5.0	7.5	2.8	4.1	5.4	8.2
	640	2.1	4.0	6.0	8.0	12	5	7.2	9.5	14
	720	2.65	7.0	10	14	21	7.4	10	13	20
	800	3.35	11	16	21	32	11	16.5	22	33

HTT/HTY

Nozzle Inlet Conn. NPT or BSPT	Capacity size	Orifice Diam.Nom. (mm)	Capacity(liters per minute)						
			40kg	60kg	80kg	100kg	150kg	200kg	300kg
1/8,1/4,3/8,1/2	360	0.85	2.86	3.50	4.04	4.52	5.54	6.39	7.83
	400	1.05	4.31	5.28	6.10	6.82	8.35	9.64	11.81
	450	1.20	5.80	7.10	8.20	9.17	11.23	12.97	15.88
	470	1.30	6.54	8.00	9.25	10.34	12.66	14.62	17.91
	480	1.35	7.29	8.92	10.30	11.52	14.11	16.29	19.95
	500	1.40	7.96	9.75	11.26	12.59	15.42	17.80	21.81
	520	1.46	8.70	10.66	12.31	13.76	16.85	19.64	23.83
	570	1.70	11.48	14.06	16.23	18.15	22.23	25.67	31.44
	600	1.90	14.32	17.54	20.25	22.64	27.73	32.02	39.21
	670	2.30	21.60	26.46	30.55	34.16	41.84	48.31	59.17
	720	2.65	28.85	35.34	40.80	45.62	55.87	64.52	79.02

HH

Nozzle Inlet Conn. NPT or BSPT								Capacity size	Orifice Diam.Nom (mm)	Capacity (liters per minute)								
1/8	1/4	3/8	1/2	3/4	1	1-1/4	2			0.5bar	1bar	2bar	3bar	5bar	10bar	15bar	20bar	30bar
●	●							003	1.0	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2
●	●							004	1.2	0.5	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9
●	●							005	1.3	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6
●	●							006	1.5	0.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3
●	●							008	1.7	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8
●	●							010	1.9	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2
●	●							015	2.3	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8
●	●							020	2.7	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4
●	●							030	3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22
●	●							040	4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29
	●							050	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36
	●	●						060	4.8	7.5	13.7	19.3	24	27	31	33	36	43
	●	●						070	5.2	8.7	16	23	28	32	36	39	42	50
	●	●						080	5.2	10	18.2	26	32	36	41	45	48	58
		●						0100	6.0	12.5	23	32	39	46	51	56	60	72
		●						0120	6.4	15	27	39	47	55	61	67	72	86
			●					0150	7.5	18.7	34	48	59	68	76	84	90	108
			●					0200	8.3	25	46	64	79	91	102	112	121	144
				●				0250	9.5	31	57	81	99	114	127	140	151	180
					●			0350	11.1	44	80	113	138	160	178	195	210	255
						●		0700	15.5	87	160	225	275	320	355	390	420	510
							●	01000	19.1	125	230	325	395	460	510	560	610	720
								01100	19.8	140	255	355	435	500	560	620	670	790
								01400	22.2	175	320	455	560	640	720	780	850	1010
								01800	25.4	225	410	580	710	820	920	1010	1090	1300
								02000	26.6	250	460	650	790	910	1020	1120	1210	1440
								03500	34.9	440	800	1130	1380	1600	1790	1960	2110	2520

Note :303SS
304SS
316SS
Brass

ORDERING INFORMATION

2003HVD — 1/4 — 60 — SS303

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Nozzle type pipe inlet conn.size Capacity size Material code