Atomizers MH + MHW

Characteristics

Atomizers type **MH** + **MHW** are used whenever good atomization results are required at low costs.
The nozzles are entirely demountable to be cleaned with filter 120 (mesh/inch).

Application

Industrial cooling
and humidification,
Plant and
seed humidification,
Stable cooling
for animal husbandry

Material

- Brass (standard),
- Stainl. steel 1.4005 (AISI 416) limited rustproof,
- Nickel silver has a similiar corrosion resistance as stainless steel 1.4404 (AISI 316).

Caution! Table is in l/h!

Type	Flow rate V̇ (l/h) at pressure p (bar)							Spray angle
	2.8	4.1	5.5	6.9	13.8	20.7	34.5	
MH 1	2.38	2.92	3.37	3.77	5.33	6.53	8.43	80°
MH 2	4.77	5.84	6.74	7.54	10.66	13.06	16.86	80°
MH 3	7.19	8.81	10.17	11.37	16.08	19.69	25.43	80°
MH 4	9.58	11.73	13.54	15.14	21.41	26.23	33.86	80°
MH 5	11.96	14.65	16.91	18.91	26.74	32.76	42.29	80°
MH 10	23.92	29.30	33.83	37.82	53.49	65.51	84.57	80°
MH 15	35.92	43.99	50.80	56.79	80.32	98.37	127.00	80°
MHW 5	11.96	14.65	16.91	18.91	26.74	32.76	42.29	160°
MHW 7	16.77	20.54	23.71	26.51	37.49	45.92	59.28	160°
MHW 11	26.34	32.26	37.26	41.65	58.91	72.14	93.14	160°
MHW 15	35.92	43.99	50.80	56.79	80.32	98.37	127.0	160°

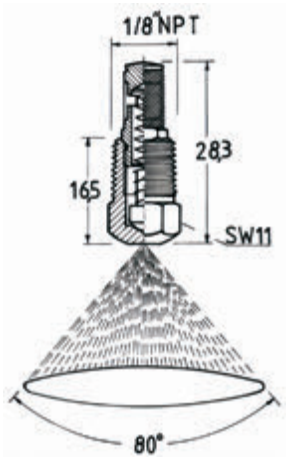
Type	Sauter mean Ø (D 32 µm) at pressure p (bar)						
	2.8	4.1	5.5	6.9	13.8	20.7	34.5
MH 1	39.4	34.1	30.3	28.4	22.6	20.7	17.4
MH 2	39.1	34.4	32.0	30.3	25.8	21.7	18.7
MH 3	39.5	35.9	34.8	32.4	25.5	22.4	18.3
MH 4	42.5	40.1	37.7	35.5	27.5	23.2	18.8
MH 5	45.2	38.8	35.5	33.7	29.3	24.6	19.3
MH 10	51.3	44.6	41.4	39.6	33.5	28.3	22.8
MH 15	65.7	61.5	58.4	55.0	38.6	31.9	23.9
MHW 5	50.4	46.7	44.1	41.7	29.7	24.0	17.4
MHW 7	54.7	54.9	51.0	48.3	33.1	28.7	20.3
MHW 11	64.9	63.1	55.3	55.8	47.4	38.4	28.3
MHW 15	76.4	65.3	78.0	71.8	60.0	40.8	29.3

Table of corrosion resistance for nickel silver

Medium	Concentration	Temperature (°C)	Evaluation
Acetic acid	2.50%	21	A
Alcohol			A
Ammonia gas, dry			B
Ammonia chloride		29	B
Chlorine leach		21	B
Boric acid		all	A
Chlorine gas, dry		all	B
Chromic acid	0.05		
Citric acid			A
Petroleum			A
Hydrochloric acid	0.50%	21	A
Hydrochloric acid	0.65	21	A
Hydrofluoric acid, undiluted	all	60/82	
Hydrogen peroxide		21	A
Lactic acid	all	21	B
Mineral oil			A
Sole (fog/steam)		all	A
Chlorine sodium		all	A
Sulphuric acid	pure	21	B
Sulphuric acid	0.03	21	A
Water, seawater (very saline)			A

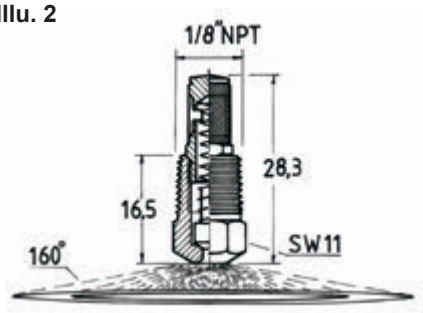
Suitability:
A = very good B = good C = satisfactory D = not recommended

Illu. 1



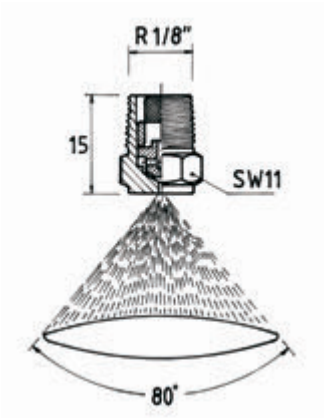
Type **MH**
Full cone spray pattern

Illu. 2



Type **MHW**
Hollow cone spray pattern

Illu. 3



Type **MHM**
Hollow cone (80° or 160°)
in brass or stainless steel