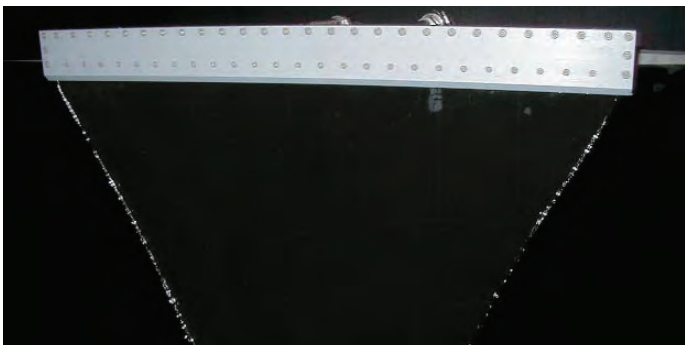
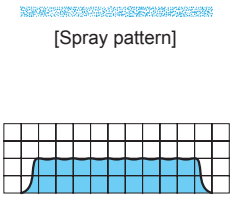
Slit Nozzles

Made-to-Order

SLNH-H/SLNHA-H





- Water or air sprayed from slit nozzles is uniform in width direction.
- SLNH-H series for liquid spraying with even spray flow distribution. SLNHA-H series for air spraying with even spray impact distribution.
- Thin liquid film spray saves cost for chemicals and water.
- Compact and space-saving design.

[APPLICATIONS]
Blow-off drying, cleaning, developing, etching

Material | ● S304 or PVC

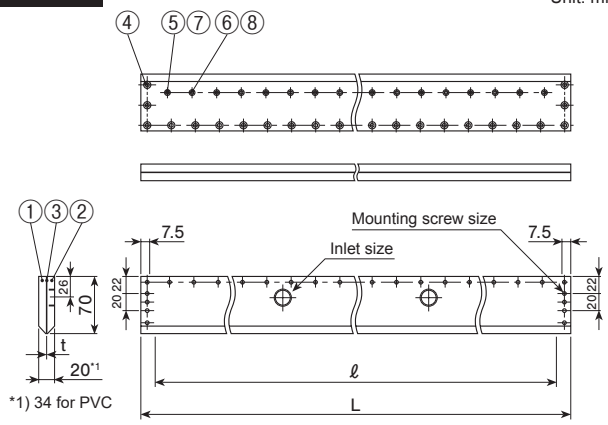
Series	Slit length ℓ (mm)	Slit opening t (mm)	Effective liquid film width (mm) at 10 mm height	Number of inlets	Thread size		Total length L*2 (mm)	Weight (kg)	
					Inlet	Mounting		S304	PVC
SLNH-H (Liquid spraying)	460	0.1	410	2	Rc3/8	S304: M5 (depth 8 mm) PVC: M5 (depth 10 mm)	490	4.3	1.3
	600		550				630	5.5	1.6
	700		650		Rc1/2		730	6.4	1.9
	780		730				810	7.1	2.1
	1,200		1,150	3			1,230	11.0	3.1
	460	0.3	410	2	Rc1/2		490	4.3	1.3
	600		550	3			630	5.5	1.6
	700		650				730	6.4	1.9
	780		730	4			810	7.1	2.1
	1,200		1,150	5			1,230	11.0	3.1
SLNHA-H (Air spraying)	530	0.1	–	2	Rc3/8		560	5.0	1.5
	700		–		Rc1/2		730	6.5	1.9
	810		–				840	7.5	2.2
	900		–				930	8.0	2.5
	1,400		–	3			1,430	12.0	4.0

*2) S304: Customizable total length from 250 mm to 3,950 mm.
PVC: Customizable total length from 250 mm to 2,950 mm.

[Note] Appearance and dimensions are subject to change due to product improvement.

DRAWING

Unit: mm



①Nozzle body A (S304) ②Nozzle body B (S304) ③Packing (PE)
④Bolt [M5x10] (S304 equivalent) ⑤Bolt [M4x8] (S304 equivalent)
⑥Bolt [M4x10] (S304 equivalent) ⑦O-ring [P4] (FKM) ⑧O-ring (FKM)

The above drawing is of the stainless steel SLNH-H series.
Inquiry drawing forms for each series and material are available to verify dimensional specifications.

Series	Slit length (mm)	Slit opening (mm)	Spray capacity (L/min)*3							
			0.01 MPa	0.02 MPa	0.03 MPa	0.04 MPa	0.05 MPa	0.06 MPa	0.07 MPa	0.08 MPa
SLNH-H (Liquid spraying)	460	0.1	7.2	10.7	13.4	15.7	17.8	19.7	21.4	23.1
	600		9.4	13.9	17.4	20.5	23.2	25.7	27.9	30.1
	700		11.0	16.2	20.3	23.9	27.0	29.9	32.6	35.1
	780		12.3	18.1	22.7	26.6	30.1	33.3	36.3	39.1
	1,200		18.9	27.8	34.9	40.9	46.4	51.3	55.9	60.2
	460	0.3	21.7	32.0	40.1	47.1	53.3	59.0	64.3	69.2
	600		28.3	41.7	52.3	61.4	69.5	77.0	83.8	90.3
	700		33.0	48.7	61.0	71.7	81.1	89.8	97.8	105
	780		36.8	54.2	68.0	79.8	90.4	100	109	117
	1,200		56.6	83.4	105	123	139	154	168	181
SLNHA-H (Air spraying)	530	0.1	209	355	472	570	657	736	810	880
	700		276	469	623	753	868	972	1,070	1,160
	810		319	543	721	871	1,000	1,130	1,240	1,350
	900		355	603	802	968	1,120	1,250	1,380	1,490
	1,400		552	938	1,250	1,510	1,740	1,940	2,140	2,330

*3) ▪ The above spray capacity indicates liquid flow rate for the SLNH-H series, and air flow rate for the SLNHA-H series.
▪ The measure for air flow rate is L/min at normal conditions (0°C, 1 atm). ▪ The above spray capacities are for reference only and subject to design changes.

HOW TO ORDER

To inquire about or order a specific nozzle please refer to this coding system.

SLNH-H (liquid spray)

Example: 2-3/8F SLNH-H 460x0.1 PVC

2-3/8F	SLNH-H	460	x	0.1	PVC
Number of inlets -Thread size*4		Slit length		Slit opening	Material
■ 2-3/8F		■ 460		■ 0.1	■ S304
■ 2-1/2F		■ 600		■ 0.3	■ PVC
■ 3-1/2F		■ 700			
■ 4-1/2F		■ 780			
■ 5-1/2F		■ 1200			

SLNHA-H (air spray)

Example: 2-3/8F SLNHA-H 530x0.1 PVC

2-3/8F	SLNHA-H	530	x	0.1	PVC
Number of inlets -Thread size*4		Slit length		Slit opening	Material
■ 2-3/8F		■ 530			■ S304
■ 2-1/2F		■ 700			■ PVC
■ 3-1/2F		■ 810			
		■ 900			
		■ 1400			

*4) "F" indicates female thread ("Rc" of the ISO standard), e.g. 3/8F = Rc3/8.

These nozzle series are made-to-order.