

[Features]

- Takes in surrounding air, boosting the volume of powerful air blow. Ideal for blow-off drying.
- Uniform and efficient air blow with lower air consumption.
- Designed to have minimal noise level.
- Available in economical plastic or chemical/heat resistant stainless steel, in spray patterns of Flat type or Round type.

[Applications]

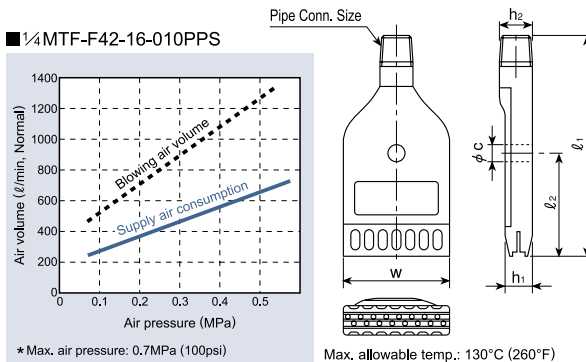
- Blow-off drying
- Cooling
- Blowing off dust
- Cleaning

TAIFUJet®-series (Flat type / Plastic)

TAIFUJet®-series (Flat type, 42mm wide)	
Material	• PPS (polyphenylene sulfide)

Nozzle Code	Pipe Conn. Size	Dimensions(mm)						Mass (g)
		ℓ ₁	ℓ ₂	w	h ₁	h ₂	φ _c	
TAIFUJet® ¼MTF-F42-16-010PPS	¼M	90	42	42	11	14	7	20

[Note] Appearance and dimensions may differ slightly depending on materials and nozzle codes.

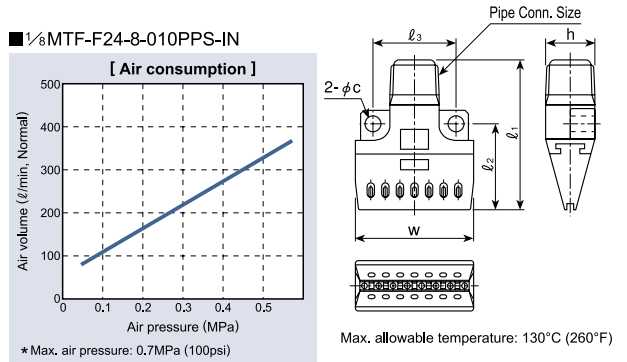


TAIFUJet®-series (Compact flat type / Plastic)

TAIFUJet®-series (Flat type, 24mm wide)	
Material	• PPS (polyphenylene sulfide)

Nozzle Code	Pipe Conn. Size	Dimensions(mm)						Mass (g)
		ℓ ₁	ℓ ₂	ℓ ₃	w	h	φ _c	
TAIFUJet® ⅛MTF-F24-8-010PPS-IN	⅛M	30	17	17	24	10	3.2	4

[Note] Appearance and dimensions may differ slightly depending on materials and nozzle codes.



TAIFUJet®-series (Flat type / Stainless-steel)

TAIFUJet®-series (Flat type, 42mm or 50mm wide)	
Material	• 42mm type: S316L equivalent • 50mm type: S304

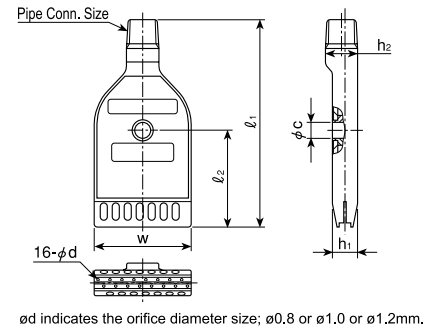
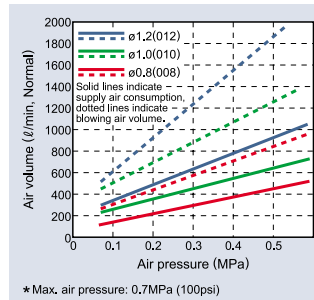
Nozzle Code	Pipe Conn. Size	Dimensions(mm)						Mass (g)
		ℓ ₁	ℓ ₂	w	h ₁	h ₂	φ _c	
TAIFUJet® ¼MTF-F42-16-***S316L-IN	¼M	90	42	42	11	14	7	144
TAIFUJet® ¼MTF-F50-16-012S304	¼M	65	30	50	12	14	-	140

[Note] • Appearance and dimensions may differ slightly depending on materials and nozzle codes.
• Maximum allowable temperature: 400°C (750°F)

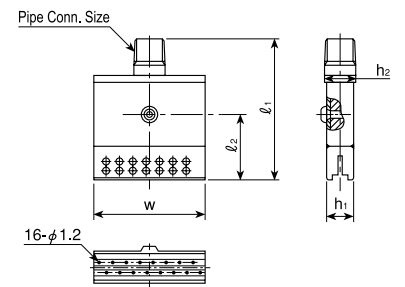
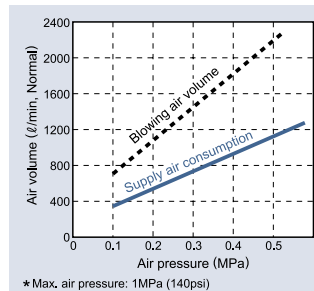
¼MTF-F42-16 is available in orifice diameters of ø0.8, ø1.0 or ø1.2mm.

Enter 008 for ø0.8, 010 for ø1.0, or 012 for ø1.2mm in place of *** in the nozzle codes when you order.

¼MTF-F42-16-***S316L-IN



¼MTF-F50-16-012S304



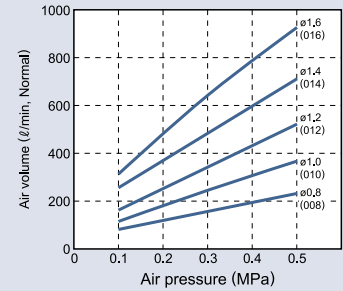
TAIFUJet®-series (Round type / Plastic)

TAIFUJet®-series (Round type, PP)					
Material	• PP (polypropylene)				
Nozzle Code	Pipe Conn. Size	Dimensions(mm)			Mass (g)
		ℓ	h	n	
TAIFUJet® 1/4MTF-R8-010PP-IN	1/4M	27	14	11.5	2

Max. allowable temperature : 60°C (140°F)

■ 1/4MTF-R8-010PP-IN
Pipe Conn. Size

■ Air consumption (Round type)



* Max. air pressure: 0.7MPa (100psi) for plastic round type.
1MPa (140psi) for stainless steel round type.

TAIFUJet®-series (Round type / Stainless-steel)

TAIFUJet®-series (Round type, Stainless-steel)					
Material	• Equivalent to S316L				
[Note] Surface gloss may vary depending on nozzle size.					
Nozzle Code	Pipe Conn. Size	Dimensions(mm)			Mass (g)
		ℓ	h	n	
TAIFUJet® 1/8MTF-R8-△△△S316L-IN	1/8M	20	12	7	7
TAIFUJet® 1/4MTF-R8-▲▲▲S316L-IN	1/4M	25	14	9.5	12

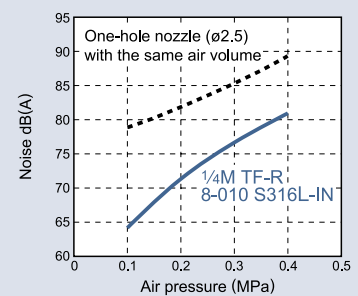
Max. allowable temperature : 400°C (750°F)

- Enter 008 for φ 0.8, 010 for φ 1.0, 012 for φ 1.2, or 014 for φ 1.4mm in place of △△△ in the nozzle codes.
- Enter 010 for φ 1.0, 012 for φ 1.2, 014 for φ 1.4, or 016 for φ 1.6mm in place of ▲▲▲ in the nozzle codes.

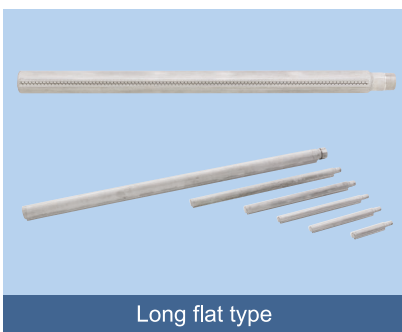
■ 1/8MTF-R8-△△△S316L-IN
1/4MTF-R8-▲▲▲S316L-IN
Pipe Conn. Size

φd indicates the orifice diameter size; φ0.8 or φ1.0 or φ1.2 or φ1.4 or φ1.6mm.

■ Noise level comparison (Round type)



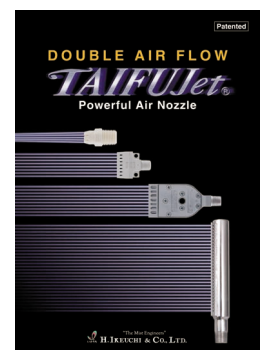
Related Products



* Made of stainless steel.
Available effective widths in 100, 150, 200, 300, 400, 500, 600, 700, 800, 900, 1,000, 1,200 and 1,400 (mm).



* Header with multiple round-type stainless steel air nozzles.
Header and adaptor made of stainless steel or aluminum.
Please contact us for details.



See Also: Catalog of TAIFUJet® Powerful Air Nozzle.

How to order

Please inquire or order for a specific nozzle using this coding system.

① Flat type made of plastic (PPS)

1/4MTF-F42-16-010PPS

② Compact flat type made of plastic (PPS)

1/8MTF-F24-8-010PPS-IN

③ Flat type made of stainless steel

1/4MTF-F42-16-*** S316L-IN

1/4MTF-F50-16-012S304

***.....008 or 010 or 012

④ Round type made of plastic (PP)

1/4MTF-R8-010PP-IN

⑤ Round type made of stainless steel

1/8MTF-R8-△△△ S316L-IN

1/4MTF-R8-▲▲▲ S316L-IN

△△△..... 008 or 010 or 012 or 014

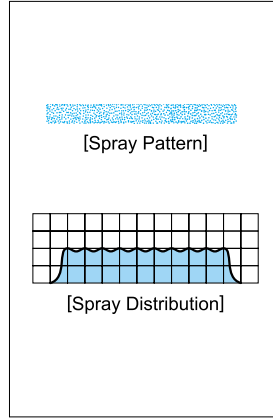
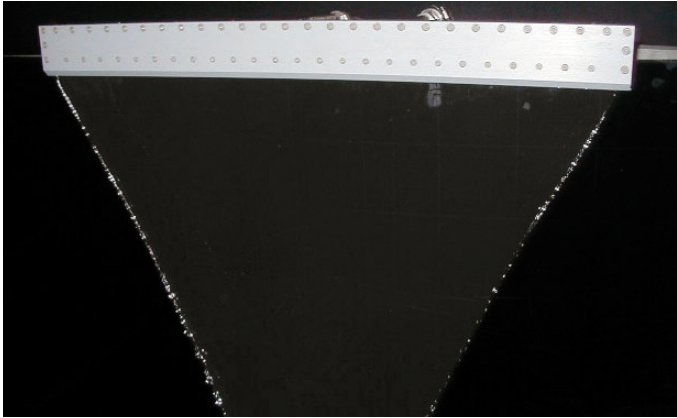
▲▲▲..... 010 or 012 or 014 or 016

1/4M(NPT) threaded types are also available for 1/4M TF-F 42-16-010 PPS and 42-16-*** S316L-IN.
(For the other TAIFUJet® models, the standard thread type is PT only.)

Water (Air) Curtain Slit Laminar Nozzles

Patented

SLNH-H / SLNHA-H



[Features]

- Uniform spray distribution with soft spray impact for minimal damage to the products.
- Sprays uniformly in width direction. Suitable for etching on large flat panels.
- Thinner liquid film spray saves cost of chemicals and water.
- Compact design.

[Applications]

Blow-off drying, Cleaning, Etching

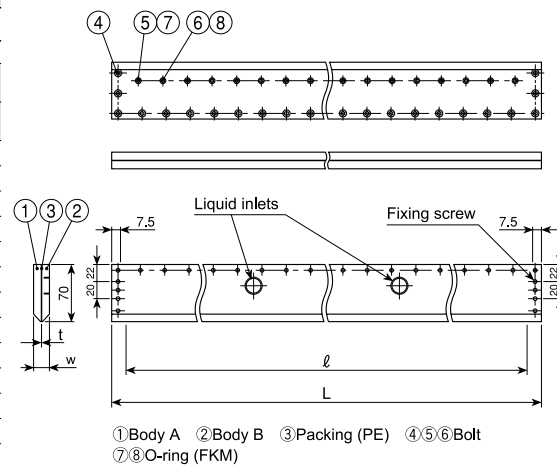
Others

SLNH-H / SLNHA-H series

SLNH-H / SLNHA-H series										
Material • S304 (stainless steel 304) or PVC (polyvinyl chloride)										
Series	Nozzle code		Effective film width(mm), at 10mm height	Number of inlets	Thread size		Total length(L), Thickness(w)	Mass(kg)		
	Slit length ℓ (mm)	Slit opening t (mm)			Liquid inlet	Fixing		L(mm)	w(mm)	S304
SLNH-H (Liquid spraying)	460	0.1	410	2	3/8F	S304: M5 (depth 8)	490	S304: 20 (24 when ℓ > 1500)	4.3	1.3
	600		550				630		5.5	1.6
	700		650				730		6.4	1.9
	780		730				810		7.1	2.1
	1200	0.3	1150	3	1/2F	PVC: M5 (depth 10)	1230	PVC: 34	11	3.1
	460		410				490		4.3	1.3
	600		550				630		5.5	1.6
	700		650				730		6.4	1.9
780	730	810	7.1	2.1						
1200	1150	1230	11	3.1						
SLNHA-H (Air spraying)	530	0.1	—	2	3/8F	—	730	—	6.5	1.9
	700		810				840		7.5	2.2
	810		—				930		8	2.5
	900		—				1430		12	4
	1400		—				—		—	—

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

[SLNH-H (S304)]



Please contact us for drawings for SLNH-H (PVC) and SLNHA-H (S304/PVC). Inquiry drawing forms are available to verify dimensional specifications.

Series	Slit Length x Slit Opening		Spray Capacity (ℓ/min)							
			0.01MPa	0.02MPa	0.03MPa	0.04MPa	0.05MPa	0.06MPa	0.07MPa	0.08MPa
SLNH-H (Liquid spraying)	×0.1	460	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
	1200	18.9	27.8	34.9	40.9	46.4	51.3	55.9	60.2	
	×0.3	460	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	
1200	56.6	83.4	105	123	139	154	168	181		
SLNHA-H (Air spraying)	×0.1	530	209	355	472	570	657	736	810	880
		700	276	469	623	753	868	972	1070	1160
		810	319	543	721	871	1000	1130	1240	1350
		900	355	603	802	968	1120	1250	1380	1490
		1400	552	938	1250	1510	1740	1940	2140	2330

* The above spray capacity indicates liquid flow rate for SLNH-H, and air flow rate for SLNHA-H.
* Measure for air flow rate is ℓ/min at normal conditions (0°C, 1atm).

* The above spray capacities are for reference only and subject to design changes.

How to order

Please inquire or order for a specific nozzle using this coding system.

① SLNH-H (Liquid spraying)

(Example) ...2-3/8FSLNH-H460x0.1PVC

2-3/8F SLNH-H 460 x 0.1 PVC

Number of Inlets - Thread Size	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		

② SLNHA-H (Air spraying)

(Example) ...2-3/8FSLNHA-H530x0.1PVC

2-3/8F SLNHA-H 530 x 0.1 PVC

Number of Inlets - Thread Size	Slit Length	Material
2-3/8F	530	S304
2-1/2F	700	PVC
3-1/2F	810	
	900	
	1400	