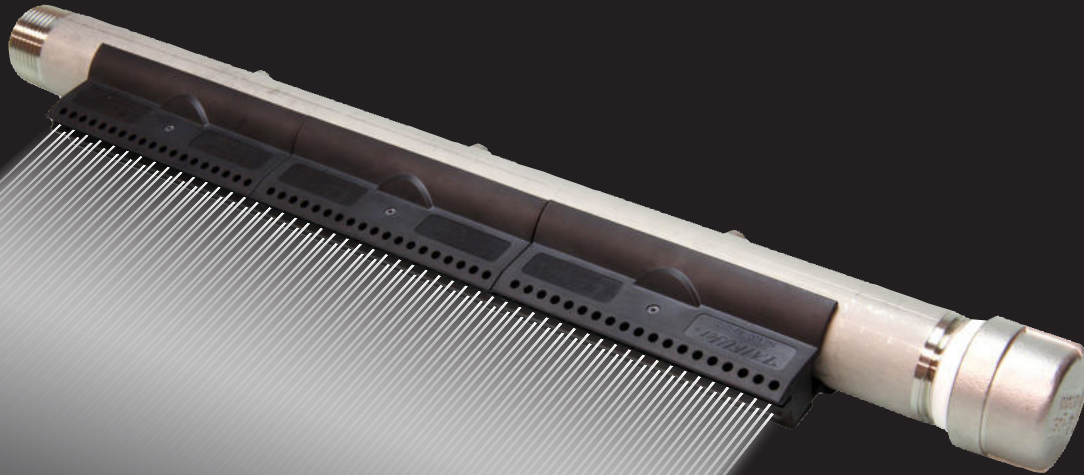


Blowing manifold with wide, replaceable nozzle tips

# Long flat air nozzles

TF-PF series

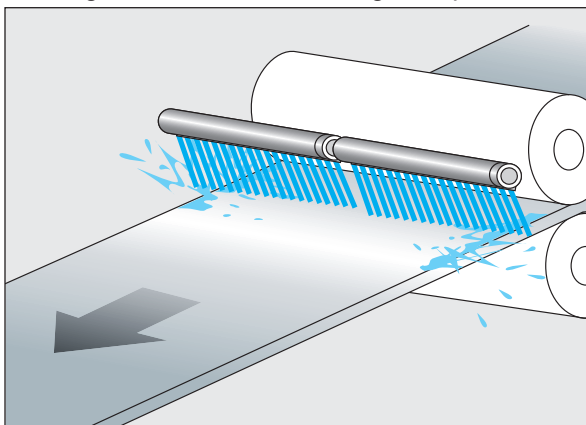


## FEATURES

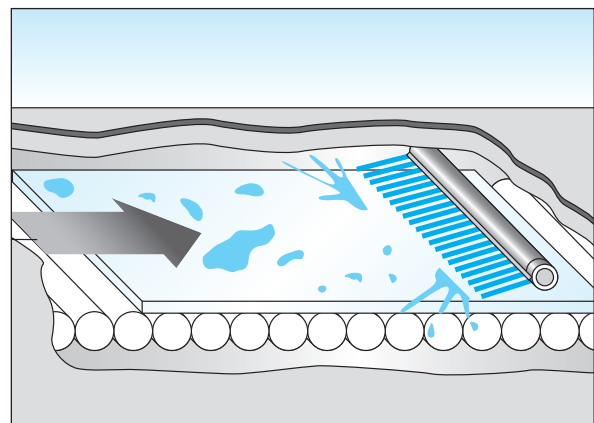
- Boosts powerful air flow, taking in surrounding air.
- Designed to have a uniform and efficient air flow.
- Quiet operation producing solid stream of high impact air.
- Available in 11 different sizes covering a blowing width ranging from 200 to 1,200 mm.\*  
\*Blowing width from 700 mm to 1,200 mm is available in double-entry type.
- Nozzle tips are replaceable for easy maintenance and lower costs.

## USAGE EXAMPLES

Edge wiper for steel surface treatment,  
Blowing off dust/water under high temperatures

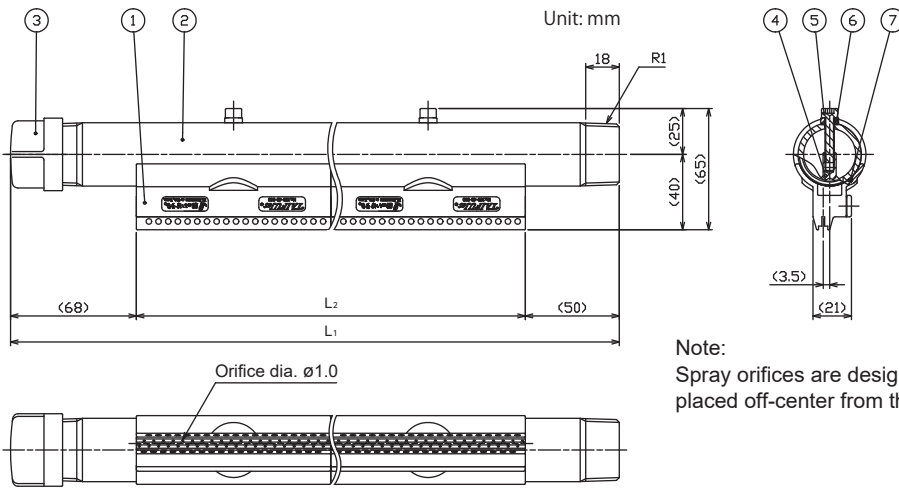


Use in tight spaces



# DRAWINGS

## Single entry type (Connection at one end)



Components	Materials <sup>*1</sup>
1 Nozzle tip	PPS
2 Pipe	S304
3 Cap	S304
4 Adaptor	S304
5 Bolt	S304
6 Seal washer	S304, FKM
7 O-ring	FKM

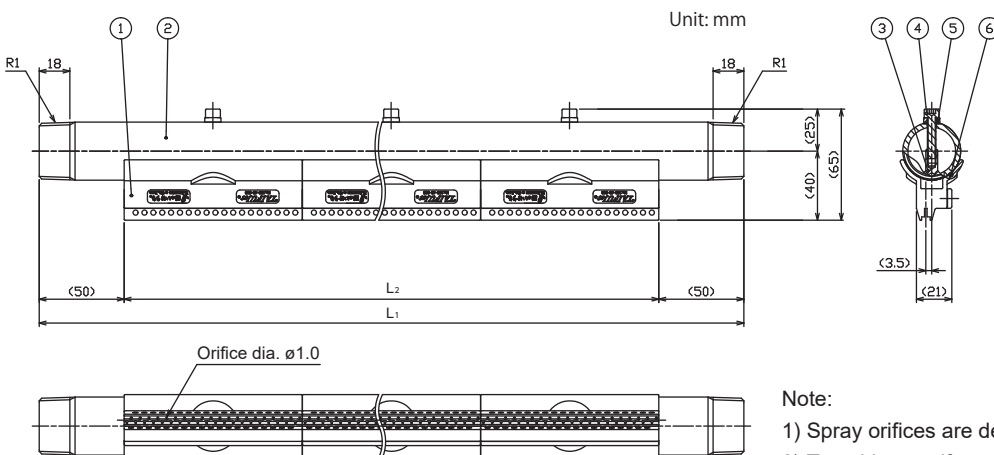
Pipe diameter: Ø34 mm

\*1 S304 represents stainless steel 304.

### Specifications

Product code	Effective blowing width (mm)	Pipe conn. size	Number of orifices	Number of nozzle tips	Outer dimensions (mm)		Mass (g)	Air consumption (L/min, Normal)		
					Total length L1	Length of nozzle tips L2		0.1 MPa	0.3 MPa	0.5 MPa
200-80-010	200	R1	80	2	327	209	950	1,100	2,200	3,300
300-120-010	300		120	3	431	313	1,300	1,600	3,300	4,900
400-160-010	400		160	4	536	418	1,600	2,200	4,300	6,500
500-200-010	500		200	5	640	522	1,900	2,700	5,400	8,100
600-240-010	600		240	6	745	627	2,200	3,300	6,500	9,700

## Double entry type (Connections at both ends)



Components	Materials <sup>*1</sup>
1 Nozzle tip	PPS
2 Pipe	S304
3 Adaptor	S304
4 Bolt	S304
5 Seal washer	S304, FKM
6 O-ring	FKM

Pipe diameter: Ø34 mm

\*1 S304 represents stainless steel 304.

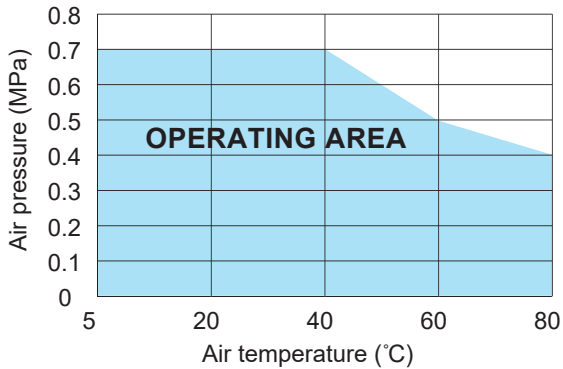
### Specifications

Product code	Effective blowing width (mm)	Pipe conn. sizes	Number of orifices	Number of nozzle tips	Outer dimensions (mm)		Mass (g)	Air consumption (L/min, Normal)		
					Total length L1	Length of nozzle tips L2		0.1 MPa	0.3 MPa	0.5 MPa
700-280-010	700	R1	280	7	831	731	2,400	3,800	7,600	11,400
800-320-010	800		320	8	936	836	2,700	4,400	8,700	13,000
900-360-010	900		360	9	1,040	940	3,000	4,900	9,800	14,600
1000-40-010	1,000		400	10	1,145	1,045	3,300	5,500	10,900	16,200
1100-440-010	1,100		440	11	1,249	1,149	3,500	6,000	11,900	17,900
1200-480-010	1,200		480	12	1,354	1,254	3,800	6,600	13,000	19,500

## OPERATING PRESSURE RANGE

Max. operating pressure: 0.4–0.7 MPa  
 Max. allowable temperature: 40–80°C

Max. operating pressure changes depending on the air temperature. Blue colored area indicates the operating pressure range. Use the nozzle within the operating range.

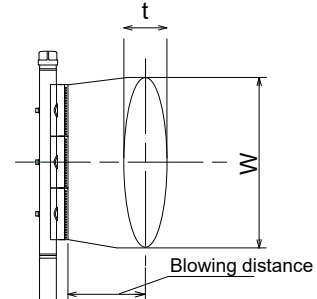


## BLOWING PATTERN

The blowing patterns with an air velocity of 5 m/s or more are measured.

■ Measurement conditions

Model: 1M TF-PF 300-120-010 PPS+S304  
 Blowing distance: 100 mm

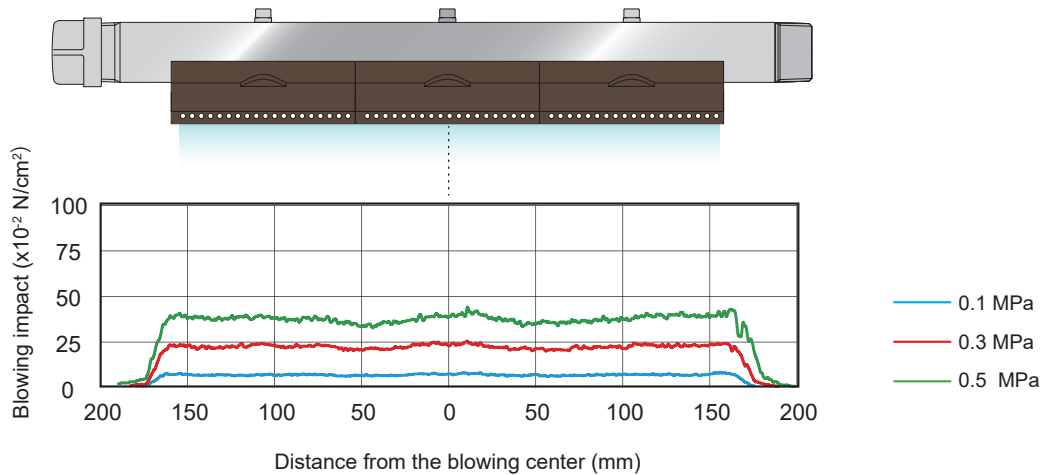


Air pressure (MPa)	Blowing width W (mm)	Thickness t (mm)
0.1	320	50
0.3	325	50
0.5	330	50

## BLOWING IMPACT DISTRIBUTION

■ Measurement conditions

Model: 1M TF-PF 300-120-010 PPS+S304  
 Blowing distance: 100 mm



## HOW TO ORDER

Please order for a specific nozzle using this coding system.

Example) 1M TF-PF 200-80-010 PPS+S304

<b>1M</b> Pipe conn. size*2	<b>TF-PF</b> Series	<b>200-80-010</b> Product code	<b>PPS+S304</b> Material
<ul style="list-style-type: none"> <li>■ Single entry type 1M</li> <li>■ Double entry type 2-1M</li> </ul>		<ul style="list-style-type: none"> <li>■ Single entry type</li> <li>200-80-010</li> <li>300-120-010</li> <li>400-160-010</li> <li>500-200-010</li> <li>600-240-010</li> </ul>	<ul style="list-style-type: none"> <li>■ Double entry type</li> <li>700-280-010</li> <li>800-320-010</li> <li>900-360-010</li> <li>1000-400-010</li> <li>1100-440-010</li> <li>1200-480-010</li> </ul>

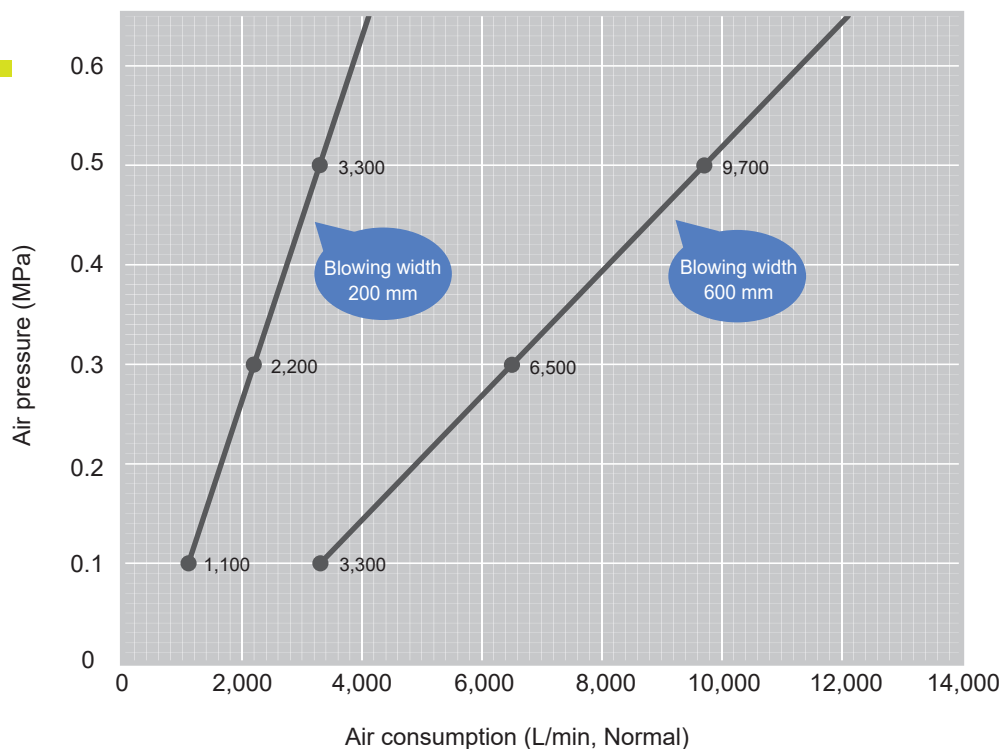
\*2) "M" indicates male thread ("R" of the ISO standard), e.g. 1M = R1.

For a double entry type, the number of inlets (2) is indicated before the pipe connection size.

## AIR CONSUMPTION

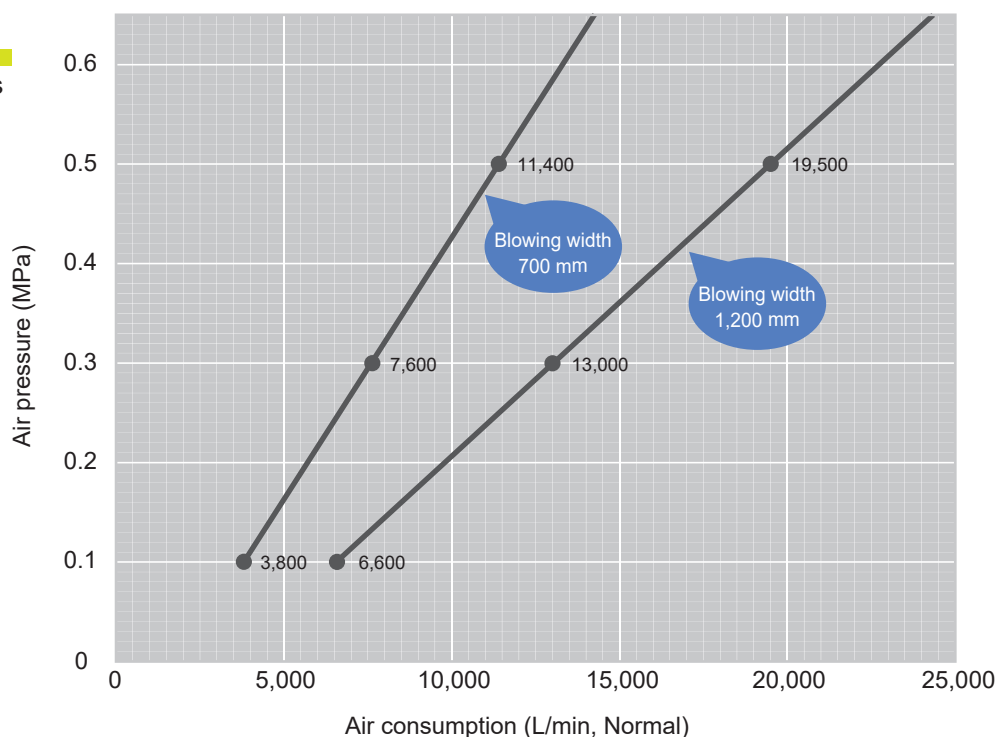
### Single entry type

Connection at one end



### Double entry type

Connections at both ends



#### Headquarters