

# Long flat jet

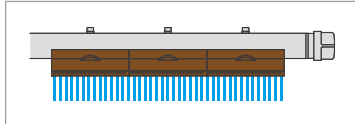
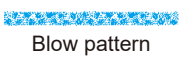
TAIFUJet®  
TF-PF w/ detachable nozzle tips

Compressed air



- Long flat air booster nozzle suitable for installation in confined spaces.
- The unique design creates a uniform and efficient air flow distribution.
- It produces a powerful, high impact air stream, while saving energy.
- Low noise level.
- Available in 11 different sizes ranging from 200 to 1,200 mm in blowing width.
- Blowing manifold with replaceable nozzle tips for easy maintenance and cost savings.

For compressors



Main material  
PPS & S304

Noise level  
86 dBA or more at 0.3 MPa

Weight  
950–3,800 g

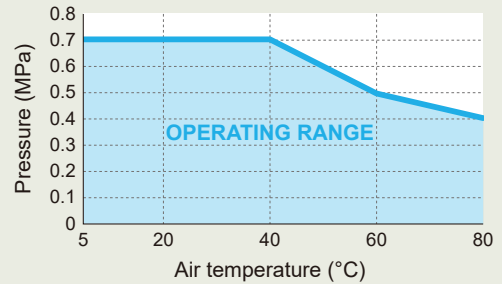
Air consumption  
2,172–13,034 L/min, Normal at 0.3 MPa

Max. operating pressure\*  
0.7 MPa (100 psi)

\*Heat resistance varies depending on the pressure applied. Blue colored area indicates the operating range.

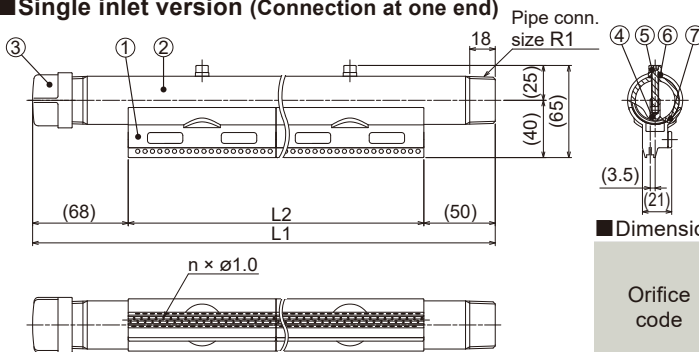
Max. temperature\*  
80°C (170°F)

### Operating range



### Drawing

#### Single inlet version (Connection at one end)



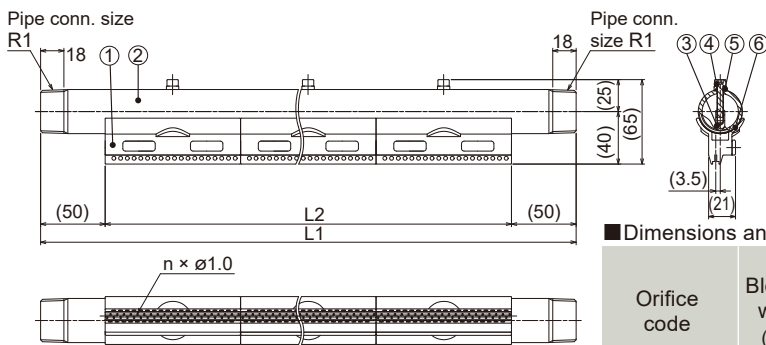
#### Materials

Components	Materials
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

#### Dimensions and weight

Orifice code	Blowing width (mm)	Number of orifices [n]	Number of nozzle tips	Outer dimensions (mm)		Weight (g)
				Total length L1	Length of nozzle tips L2	
200-80-010	200	80	2	327	209	950
300-120-010	300	120	3	431	313	1,300
400-160-010	400	160	4	536	418	1,600
500-200-010	500	200	5	640	522	1,900
600-240-010	600	240	6	745	627	2,200

#### Dual inlet version (Connections at both ends)



#### Materials

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

#### Dimensions and weight

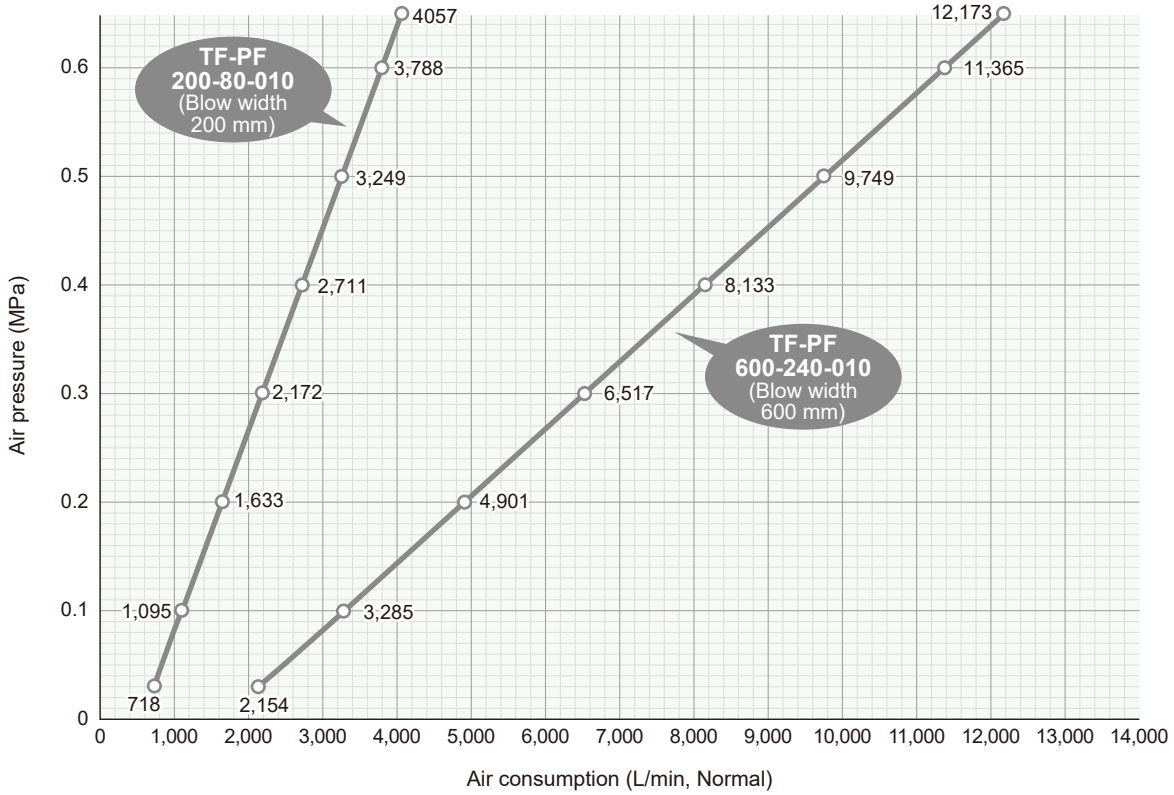
Orifice code	Blowing width (mm)	Number of orifices [n]	Number of nozzle tips	Outer dimensions (mm)		Weight (g)
				Total length L1	Length of nozzle tips L2	
700-280-010	700	280	7	831	731	2,400
800-320-010	800	320	8	936	836	2,700
900-360-010	900	360	9	1,040	940	3,000
1000-400-010	1,000	400	10	1,145	1,045	3,300
1100-440-010	1,100	440	11	1,249	1,149	3,500
1200-480-010	1,200	480	12	1,354	1,254	3,800

Note:

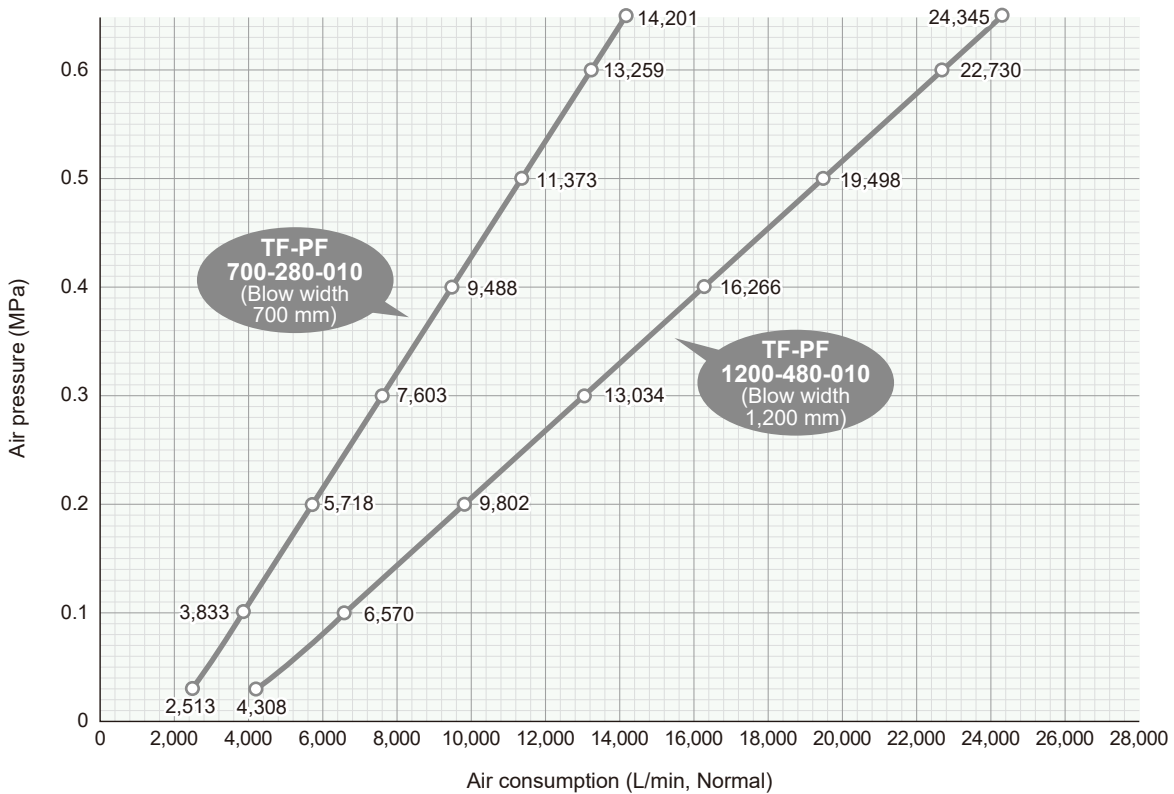
- 1) Nozzle orifices are designed to be placed off-center from the pipe.
- 2) For the dual inlet version, feed an air supply each to both ends of the pipe to achieve uniform impact distribution.

**Air Consumption**

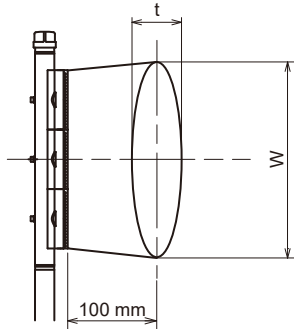
■ **Single Inlet Version** Contact us for the other models.



■ **Dual Inlet Version** Contact us for the other models.



**Blowing Pattern**



■TF-PF 300-120-010

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

**Noise Level** at a distance of 1,000 mm

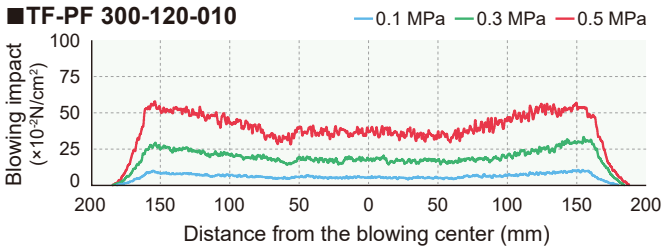
Background noise: 46 dBA

■TF-PF 300-120-010

Pressure (MPa)	Noise level (dBA)
0.1	79
0.3	86
0.5	92

**Blowing Impact Distribution** at 100 mm below the nozzle orifice

■TF-PF 300-120-010



**HOW TO ORDER**

Please inquire or order for a specific nozzle using this coding system. See Page 29 for selection of the orifice code.

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

**1M TF-PF 200-80-010 PPS + S304**

**Pipe Conn. Size\***

- Single Inlet Version
  - 1M
- Dual Inlet Version
  - 2-1M

**Orifice Code**

- Single Inlet Version
  - 200-80-010
  - 300-120-010
  - 400-160-010
  - 500-200-010
  - 600-240-010

■ Dual Inlet Version

- 700-280-010
- 800-320-010
- 900-360-010
- 1000-400-010
- 1100-440-010
- 1200-480-010

\*"M" indicates male thread ("R" of the ISO standard) and "F" indicates female thread ("Rc" of the ISO standard), e.g. 1M = R1. The number "2-" in front of the connection size indicates the dual inlet version.