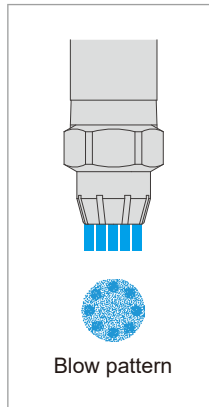


Plastic

Metal



For compressors



- Round jet air booster nozzle with eight orifices generates a powerful, high impact air stream while saving energy.
- Low noise level.
- Compact design is ideal for use in tight spaces.



Material  
Plastic: PP, Metal: S316L equivalent



Weight  
Plastic: 2 g  
Metal: 7 g (size R1/8)  
12 g (size R1/4)



Max. operating pressure  
Plastic: 0.7 MPa (100 psi)  
Metal: 1.0 MPa (140 psi)



Max. temperature  
Plastic: 60°C (140°F), Metal: 400°C (750°F)



Noise level (at 0.3 MPa)  
Plastic: 78 dBA, Metal: 71–87 dBA

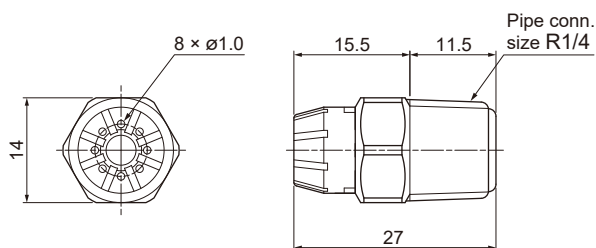


Air consumption (at 0.3 MPa)  
Plastic: 245 L/min, Normal  
Metal: 157–627 L/min, Normal

## Drawing

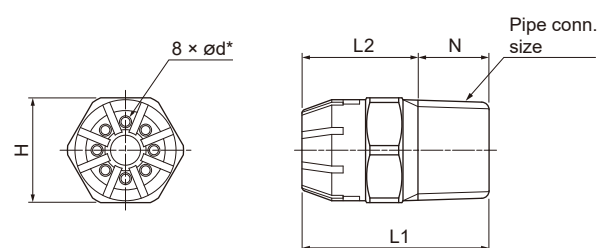
Plastic

■ 1/4M TF-R 8-010 PP-IN



Metal

■ 1/8M TF-R [Orifice Code] S316L-IN  
■ 1/4M TF-R [Orifice Code] S316L-IN



\*ød = Orifice Diameter (OD): ø0.8, ø1.0, ø1.2, ø1.4, or ø1.6 mm

### ■ Metal TF-R series

Orifice code	Pipe connection size		Orifice diameter ød (mm)
	R1/8	R1/4	
8-008	●	—	0.8
8-010	●	●	1.0
8-012	●	●	1.2
8-014	●	●	1.4
8-016	—	●	1.6

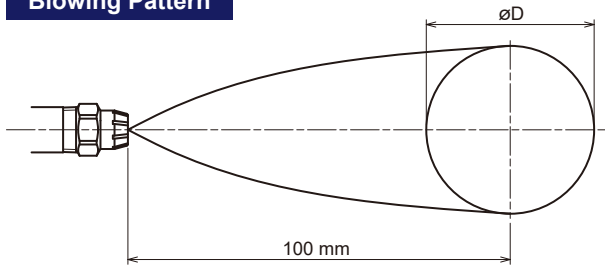
● shows availability of the item.

### ■ Dimensions and weight

Pipe conn. size	Outer dimensions (mm)				Weight (g)
	L1	L2	H	N	
R1/8	20.0	13.0	12.0	7.0	7
R1/4	25.0	15.5	14.0	9.5	12

Orifice diameter ø1.0 (TF-R 8-010) is available in both plastic and metal. The other models are only available in metal.

**Blowing Pattern**



Orifice code	Blowing width øD (mm)		
	0.1 MPa	0.3 MPa	0.5 MPa
8-008	30	30	30
8-010	35	35	35
8-016	40	40	40

TF-R 8-010 (orifice diameter ø1.0) is available in both plastic and metal.

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

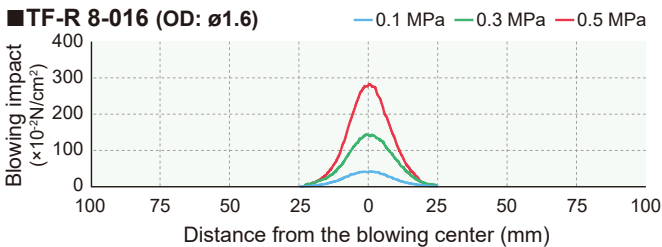
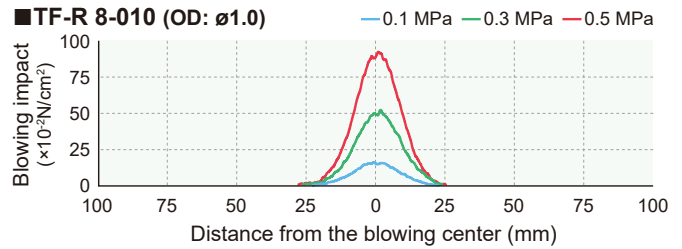
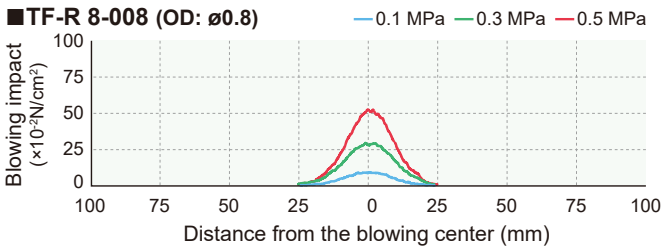
Background noise: 46 dBA

TF-R 8-010 (orifice diameter ø1.0) is available in both plastic and metal.

Orifice code	Pressure (MPa)	Noise level (dBA)	Orifice code	Pressure (MPa)	Noise level (dBA)	Orifice code	Pressure (MPa)	Noise level (dBA)
8-008	0.1	59	8-010	0.1	65	8-016	0.1	75
	0.3	71		0.3	78		0.3	87
	0.5	77		0.5	83		0.5	93

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

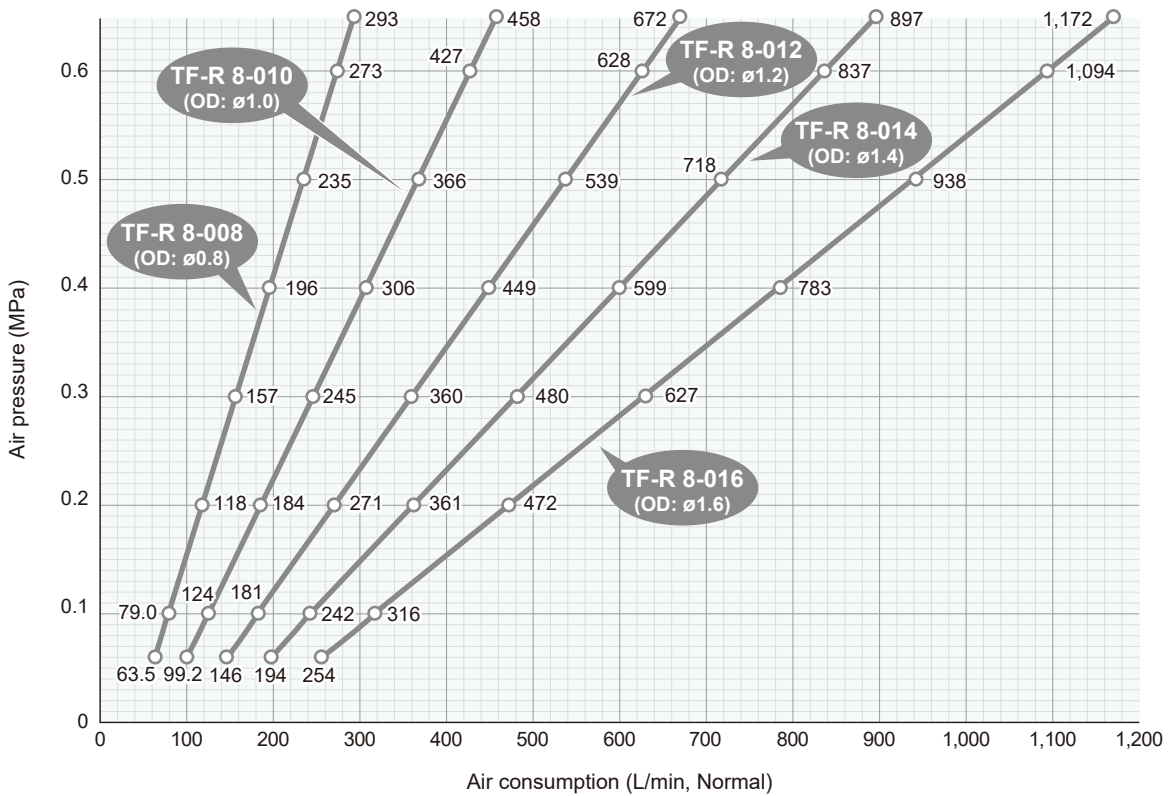
TF-R 8-010 (orifice diameter ø1.0) is available in both plastic and metal.



(OD = Orifice Diameter)

**Air Consumption**

TF-R 8-010 (orifice diameter Ø1.0) is available in both plastic and metal.



**HOW TO ORDER**

Please inquire or order for a specific nozzle using this coding system. See Page 32 for the pipe connection size and orifice code. Plastic version is only available in R1/4 with orifice diameter Ø1.0.

Plastic

**1/4M TF-R 8-010 PP-IN**

Metal

<Example> 1/8M TF-R 8-010 S316L-IN

**1/8M TF-R 8-010 S316L-IN**

Pipe Conn. Size\*

- 1/8M
- 1/4M

Orifice Code

- 8-008 ● 8-010
- 8-012 ● 8-014
- 8-016

\*\*M" indicates male thread ("R" of the ISO standard) and "F" indicates female thread ("Rc" of the ISO standard), e.g. 1/4M = R1/4.