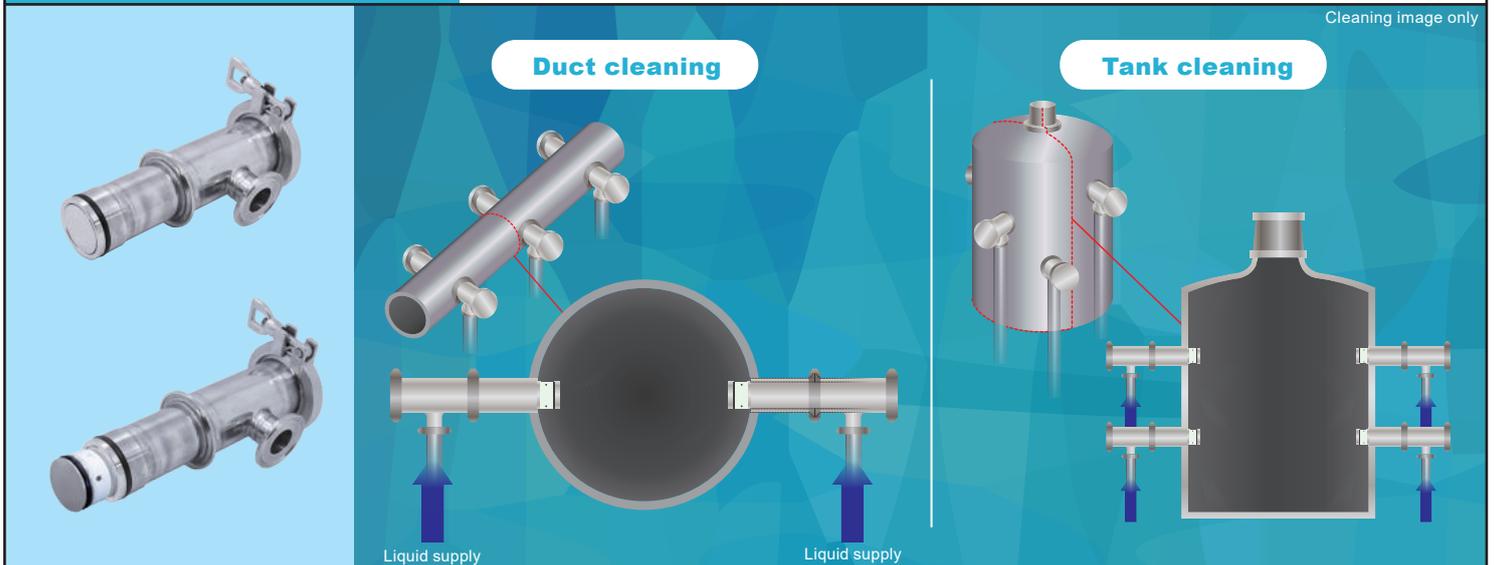


# Rotary tank/duct cleaning

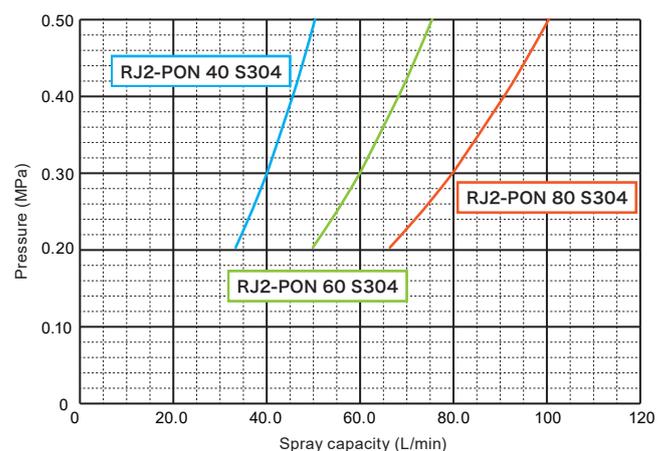
# Pressure-open nozzle with self-retracting nozzle tip for interior wall cleaning



## Features

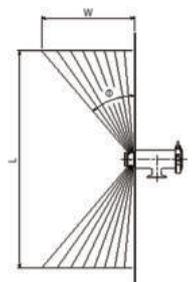
- Unique mechanism with nozzle tip protruding by pressurized liquid.
- Low-speed rotary nozzle powerfully cleans the inside of ducts and tanks.
- Flat interior surface of the nozzle, when not in use for cleaning, enables fixed installation to a duct or tank.
- Easy to install and remove with ferrule.

## Flow-rate Diagram

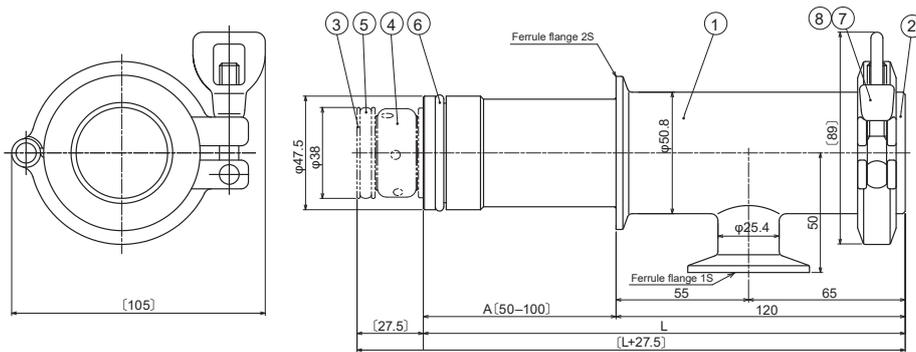


## Specifications

Operating pressure range	0.2–0.5 MPa		
Spray capacity	40, 60, or 80 L/min (at 0.3 MPa)		
Rotation speed	Approx. 170 rpm		
Spreading length (L)	4,000–5,000 mm	Maximum operating temperature	80°C
Spreading width (W)	1,600–2,100 mm	Chemical resistance	Weak acid/alkaline 3% or less
Spreading angle (θ)	40°	Mass	1.3 kg



## Drawing, Dimensions, Materials



	Components	Material
①	Nozzle body	S304
②	Ferrule cap (2S)	S304
③	Shaft	S304
④	Nozzle tip (rotating part)	PTFE
⑤	O-ring (P-32)	FKM
⑥	O-ring (P-41)	FKM
⑦	Ferrule gasket (2S)	Silicone rubber
⑧	Clamp (CP2K 2S)	S304

In our material code, "S" represents "stainless steel".

Note: A short pipe, ferrule flange and clamp required for installation to a tank should be supplied by a customer.

## Comparison of Spray Impact with the Nozzle from Another Supplier

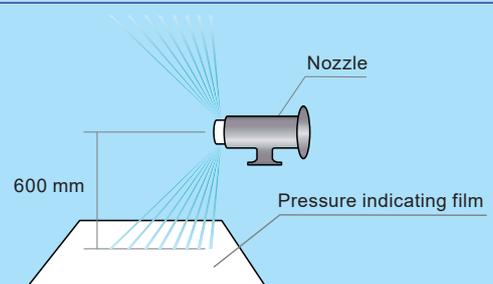
Here is a difference of impact forces between by IKEUCHI nozzle and by the other.

### What is a Pressure Indicating Film?

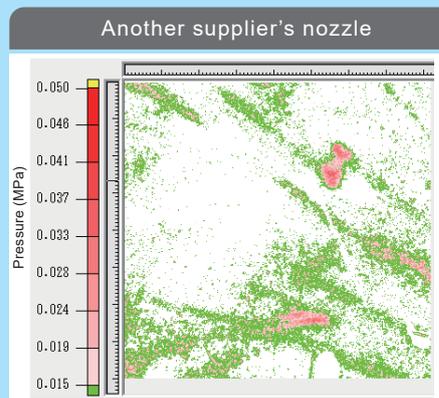
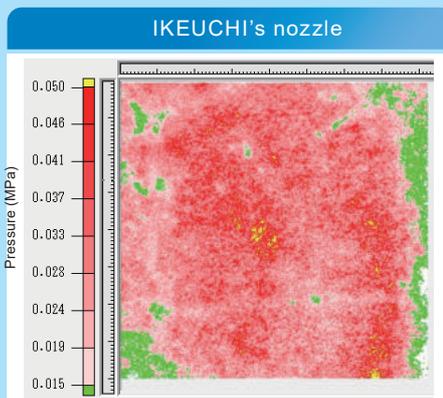
A pressure-sensitive sensor film that quickly reveals surface contact distribution and magnitude of pressure on its entire surface. Red patches appear on the film and the color density indicated varies according to the differing contact pressure levels.

### Measurement Conditions

Distance from spray orifice to film	600 mm
Type of pressure indicating film	5LW (Ultra extreme low-pressure type)
Spray pressure	0.3 MPa



### Measurement Results



Compared with a nozzle from another supplier, IKEUCHI's nozzle rotating at low speed **produced stronger impact force** by providing higher pressure over the entire surface.

### How to order

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

RJ2-PON	80	-	1S	×	80	S304
Nozzle series	Spray capacity code		Liquid inlet conn. size		Insert length*	Material
	■ 40 ■ 60 ■ 80				■ 50-100	

\*See the dimension A in the drawing.

Specifications and contents of this leaflet are subject to change without prior notice for purpose of product improvement.

Please feel free to send any inquiry, request for information or quote on this product to the contacts below.

 "The Fog Engineers"  
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