Rotary tank/duct cleaning

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

- Nozzle tip is retracted when not in spray
- Nozzle tip protrudes by pressurized liquid
- Rotating jet cleans the inside walls
- Nozzle tip self-retracts when spray finishes

Duct cleaning

Tank cleaning

Features

- Unique mechanism with nozzle tip protruding by pressurized liquid.
- 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 (170°F)
- Spreading width (W): 1,600–2,100 mm
- Chemical resistance: Weak acid/alkaline 3% or less
- Spreading angle (θ): 40°
- Mass: 1.3 kg
Comparison of Spray Impact with the Nozzle from Another Supplier

Here is a difference of impact forces between 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 PON series provides higher pressure over the entire surface, resulting in higher cleaning power.

How to order

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

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

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