

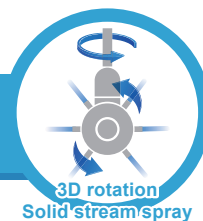
For cleaning hard to remove dirt

Ultra-High-Flow, Low-Pressure Model

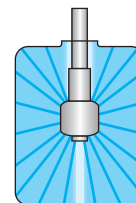
ROTARY JETTER

RJ3-GEMD SERIES with Electric Motor for Powerful Cleaning

Made-to-Order



Spray Coverage Direction



Note:
Surfaces directly above and below the nozzle may not be fully covered in some installations.

Features

- Delivers a high flow rate with exceptional spray reach (8–16 m radius), making it ideal for large-capacity tanks.
- 3D rotation solid stream jet powerfully cleans the inside of a tank.
- Stable low-speed rotation with motor maximizes contact time between cleaning surface and cleaning liquid for effective cleaning.
- Larger nozzle orifice diameters increase flow rate at low pressure (2 MPa or less), enabling powerful cleaning.
- Features six nozzles to ensure precise, thorough cleaning.

Note: This unit has no on/off switch. Control the operation via the power supply.

Applications

- Removing tough, sticky and stubborn dirt
- Cleaning of reactor vessels in chemical plants
- Cleaning large-capacity tanks

Basic Specifications

| | |
|--|--|
| ■ Operating Pressure Range 0.1–2.0 MPa (15–290 psi) | ■ Main Material ^{*1} S304, SCS14, PEEK, UPE |
| ■ Number of Nozzles Attached 6 | ■ Approx. Weight (including flange) 43 kg (when insertion length G is 1,800 mm) |
| ■ Spray Capacity ^{*2} 6 nozzles: 300–1,400 L/min | ■ Power Voltage ^{*3} 100 VAC |
| ■ Max. Temperature 82°C (179°F) | ■ Power Consumption 40 W |
| ■ Reach Distance of Spray (RADIUS) Approx. 8–16 m | ■ Cleaning Cycle 23.5 min (50 Hz), 19.6 min (60 Hz) |
| ■ Rotation Speed 2.0 rpm (50 Hz), 2.4 rpm (60 Hz) | |

^{*1} In the material code, "S" represents "stainless steel". SCS14 is cast stainless steel equivalent to S316.

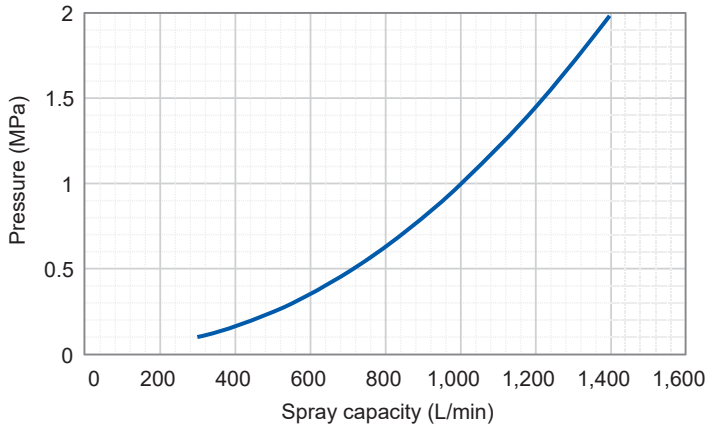
^{*2} Spray flow rate in the above operating pressure range is for reference only. See the flow-rate diagram and chart for more details.

^{*3} For use with other voltages, please contact us to discuss availability.

Ultra High Flow, Low Pressure

RJ3-GEMD SERIES with Electric Motor

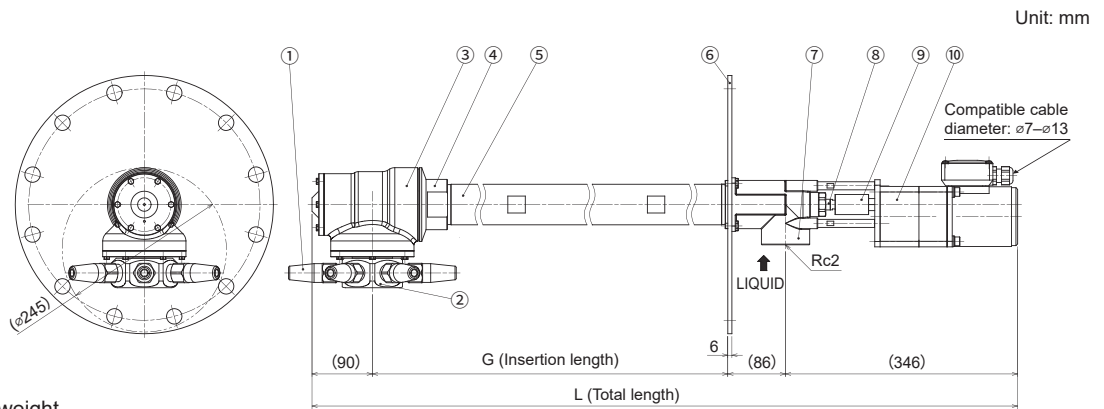
Flow-rate Diagram



Flow-rate Chart

| Number of nozzles attached | Nozzle orifice diameter (mm) | Spray capacity (L/min) [for reference only] | | | | | |
|----------------------------|------------------------------|---|---------|---------|---------|---------|---------|
| | | 0.1 MPa | 0.3 MPa | 0.5 MPa | 0.7 MPa | 1.0 MPa | 2.0 MPa |
| 6 | 10 | 300 | 550 | 700 | 850 | 1,000 | 1,400 |

Drawing



■ Dimensions and weight

Total length (L): Max. 2,322 mm
 Insertion length (G): Max. 1,800 mm
 Required tank opening diameter: 245 mm
 Weight: Approx. 43 kg (including flange)

- ① Nozzle ② Rotor ③ Main body ④ Gear ⑤ Pipe (2B x Sch80 equiv.) ⑥ Flange
 ⑦ Water supply adaptor ⑧ Rotating shaft ⑨ Motor coupling adaptor ⑩ Electric motor

Note: A diameter of more than 245 mm is needed to insert the nozzle unit.

HOW TO ORDER

To inquire about or order a specific product please refer to this coding system.

RJ3-G EMD

6

L

- ø10

-

10T5

×

L

E***

S304

Number of
Nozzles

Nozzle Orifice
Diameter

Total
Length

Spec. Registration
No. (assigned by us)

Nozzle
Material