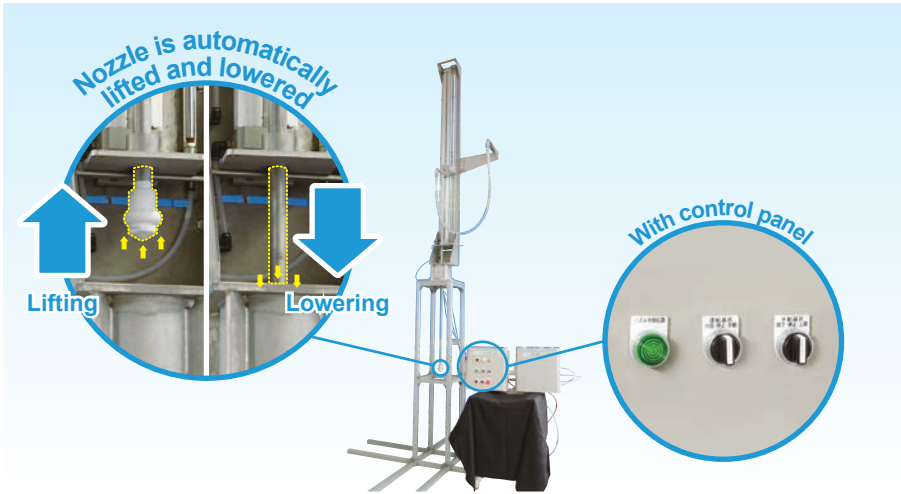


# Automatic Nozzle Lifting System



## Features

- Lifting device able to move up and down a spray nozzle attached on the tip with compressed air.
- The maximum stroke of about 1.7 m allows for cleaning tall tanks.

## Unit Components

This system has the following components:

- Lifting device
- Electric control panel
- Spray nozzle (ES or SR series)
- Pneumatic control panel
- Accessories (tubing)
- Isolation valve (optional)

Contact us for more details.

## Basic Specifications

### Lifting Device

Power Supply Voltage  
100–240 VAC

Operating Pressure Range  
0.3–0.7 MPa (45–100 psi) for air  
0.05–1.0 MPa (8–145 psi) for liquid

Operating Temperature Range  
5–50°C (41–122°F)

Weight  
Approx. 90 kg<sup>2</sup>

Main Material<sup>1</sup>

Liquid contact parts: S304, fluorocarbon resin  
The other parts: S304, aluminum

Lift Mechanism

- Driven by compressed air
- Stroke range from 500 mm to about 1,700 mm<sup>3</sup>
- Lift speed of about 100 mm/s
- Rodless cylinder with brake
- Limit switches to detect the nozzle position

### Control Panels

Power Supply Voltage  
100–240 VAC (50/60 Hz)

Operating Temperature Range  
5–50°C (41–122°F)

Weight

Electric control panel: about 6 kg  
Pneumatic control panel: about 5 kg

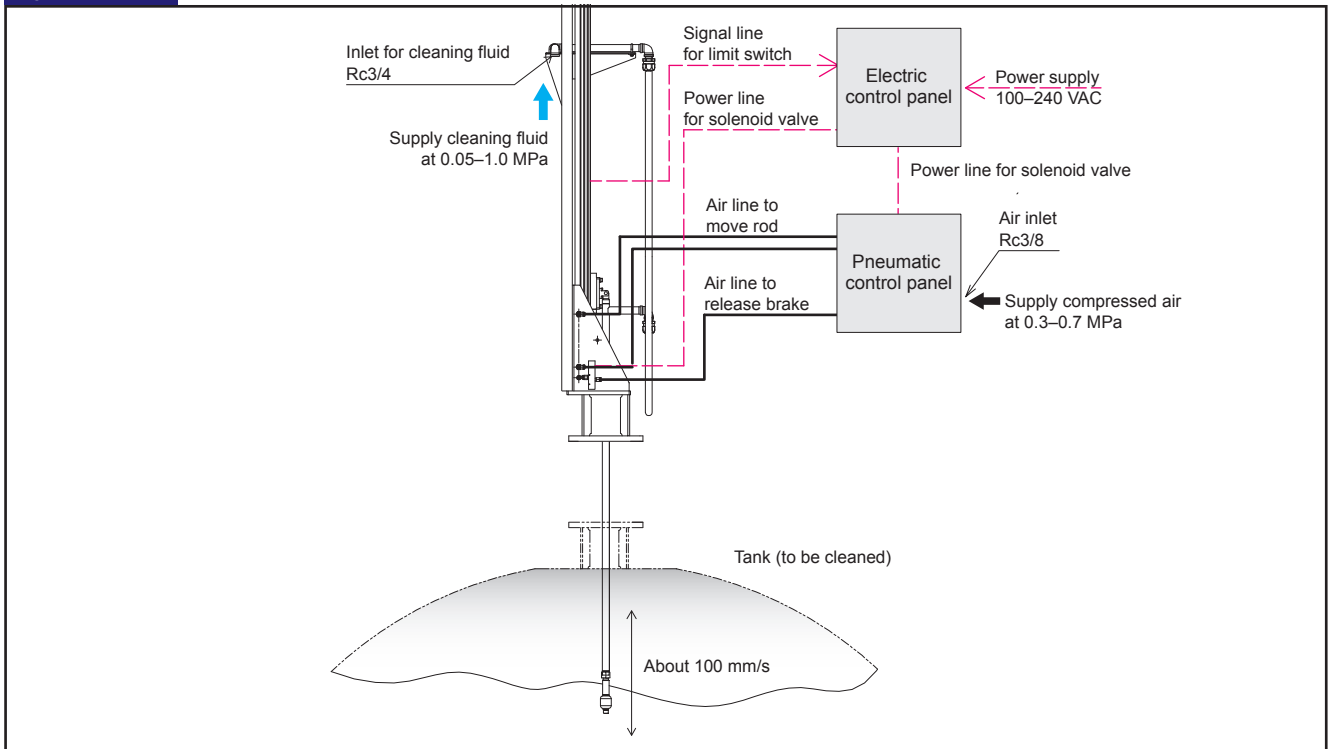
<sup>1</sup>In the material code, "S" represents "stainless steel".

<sup>2</sup>Based on a flange of 100A and cylinder stroke of 1,700 mm. Contact us for other available sizes.

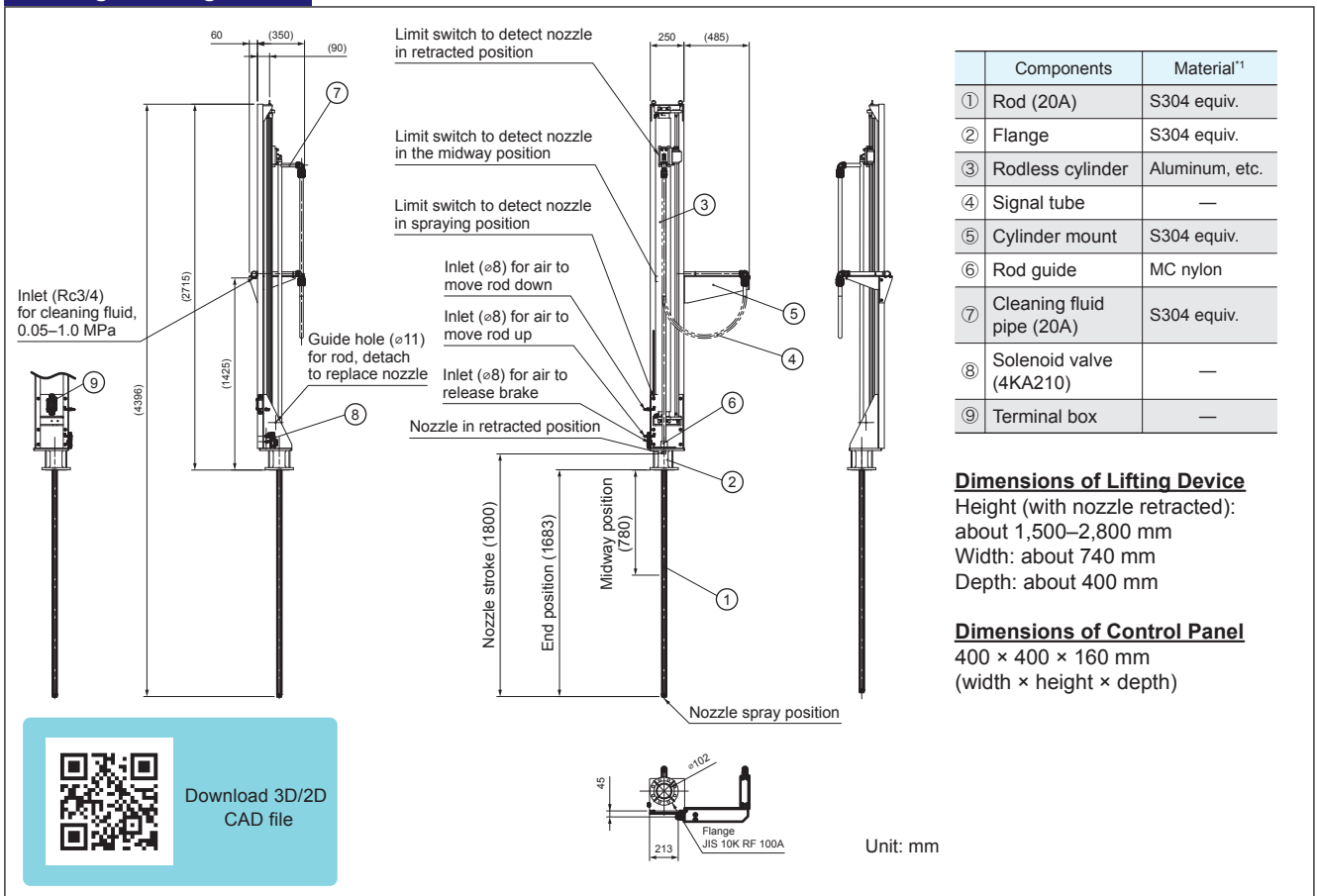
<sup>3</sup>Stroke length varies depending on the nozzles used with the device.

# Automatic Nozzle Lifting System

## System Flow



## Drawing of Lifting Device



Download 3D/2D CAD file