Tank cleaning

# SC 30TH

**Introduction**
The Scanjet SC 30TH is a single nozzle rotary jet head that delivers a powerful jet of cleaning media to every corner of a tank. Designed to meet the highest standards of quality, safety, and performance.

**Application**
The SC 30TH is applicable for a wide range of tank sizes and shapes, as well as different types of cleaning media, for example product, water, steam, or chemicals. The SC 30TH can be used for both periodic and continuous cleaning operations, depending on the needs and preferences of the user's application. Machine specifications and configuration are customized to meet the needs of the installation in terms of pipe length, nozzle size (jet length) and flange connections.

Compared to the Scanjet SC 30T, the SC 30TH has a wider and thicker downpipe, with a higher capacity and longer pipe installations. This allows for use in applications where the tank height is a factor in determining the cleaning requirements.

Easily installed and operated, the SC 30TH is a versatile and reliable tank cleaning solution that can improve the efficiency, quality, and safety of the tank cleaning process.

**Working principle**
The SC 30TH works by using the pressure and flow of the cleaning media to drive a turbine that rotates the jet head. The turbine is connected to a programmable drive unit that controls the speed and direction of the rotation. The drive unit has a magnetic transmission that allows the jet head to be removed from the tank without breaking the seal. This means that the tank in which the machine is installed in is not exposed to the atmosphere.

**Benefits**
- Magnetic transmission
- Custom made
- AISI 316 stainless steel and PTFE
- Complies with the highest standards of cleaning requirements
- Grease lubricated drive unit
- Fully programmable

**Accessories**
The SC 30TH comes with a wide range of accessories:
- Service kits; Scanjet service kits include what is required for every specific service with up-to-date genuine spare parts
- WASHTRAC; Monitors the tank cleaning system

## Performance data

| | Supply pressure | | | | | |
|---|---|---|---|---|---|---|
| | 6 bar (87 psi) | | 8 bar (116 psi) | | 10 bar (145 psi) | |
| Nozzle size | Flow[1] m³/h (USgpm) | Jet length m (feet) | Flow[1] m³/h (USgpm) | Jet length m (feet) | Flow[1] m³/h (USgpm) | Jet length m (feet) |
| **Ø 18 mm** | 33 (145) | 25 (82) | 36 (159) | 27 (89) | 40 (176) | 29 (95) |
| **Ø 20 mm** | 39 (172) | 28 (92) | 45 (198) | 30 (98) | 50 (220) | 32 (105) |
| **Ø 22 mm** | 45 (198) | 30 (98) | 52 (229) | 33 (108) | 58 (255) | 34 (112) |
| **Ø 24 mm** | 51 (225) | 30 (98) | 60 (264) | 33 (108) | 65 (286) | 35 (115) |
| **Ø 26 mm** | 58 (255) | 30 (98) | 67 (295) | 34 (112) | 74 (326) | 37 (121) |
| **Ø 28 mm** | 65 (286) | 33 (108) | 74 (326) | 37 (121) | 83 (365) | 39 (128) |
| **Ø 30 mm** | 71 (313) | 34 (112) | 82 (361) | 37 (121) | 91 (401) | 39 (128) |

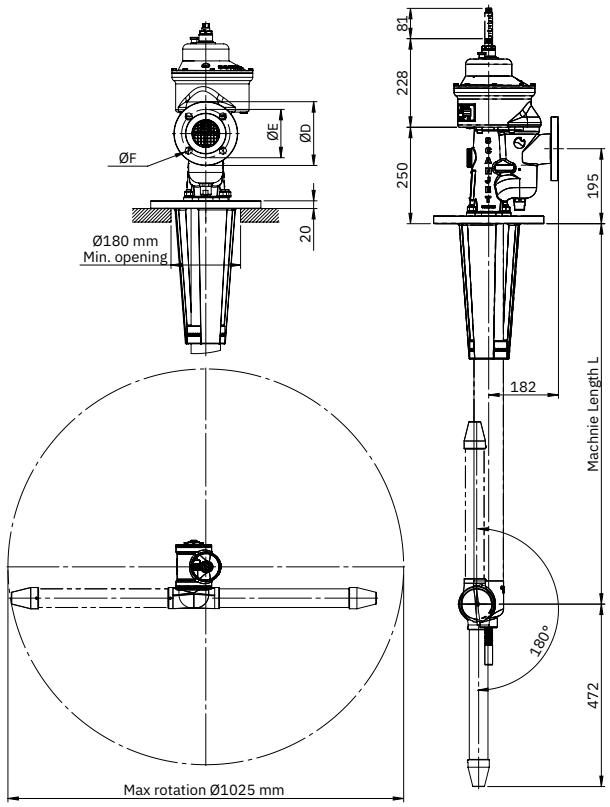
[1] Because of variations in part wear, water temperature, installation etc., the flow may differ ±10% from specified value.

## Technical data

**SC 30TH**

| | |
|---|---|
| Flow: | 30–85 m³/h (132–374 USgpm) |
| Inlet pressure: | 6–10 bar (87–145 psi) |
| Minimum operating temperature: | -20 °C (-4 °F) |
| Maximum operating temperature: | 95 °C (203 °F) |
| Rotation speed: | 0.5–1.5 rpm<br>(Can be slower in colder climate.) |
| Weight (Machine length, L=1 m):<br>Per additional meter of main pipe: | 48 kg (106 lb)<br>10 kg (22 lb) |
| Weight (Drive unit) | 12 kg (26 lb) |
| Material; Main pipe and inlet housing: | AISI 316, SS2348, WST 1.4404 |
| Material; Other parts: | Manufacturer's standard |
| Service space: | Minimum 350 mm radius from center of deck flange for handling and service. |

## Dimensions

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Up-to-date contact details are available
on our website at www.scanjet.net