

Tank cleaning

SC 30T

Introduction

The Scanjet SC 30T 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 30T 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 30T 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.

Easily installed and operated, the SC 30T 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 30T 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 lets the jet head to be removed from the tank without breaking the seal. This means that the tank in which the machine is installed 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 30T 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

Nozzle size	Supply pressure							
	6 bar (87 psi)		8 bar (116 psi)		10 bar (145 psi)		12 bar (174 psi)	
	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)	Flow ¹ m³/h (USgpm)	Jet length m (feet)
Ø 10 mm	10.5 (46)	15 (49)	11.5 (51)	16 (52)	13 (57)	17 (56)	14 (62)	18 (59)
Ø 12 mm	14 (62)	19 (62)	16 (70)	21 (69)	18 (79)	22 (72)	19.5 (86)	23 (75)
Ø 14 mm	18 (79)	19 (62)	20.5 (90)	22 (72)	23 (101)	23 (75)	25 (110)	25 (82)
Ø 16 mm	22 (97)	22 (72)	25 (110)	24 (79)	27.5 (121)	25 (82)	30 (132)	26 (85)
Ø 18 mm	27 (119)	24 (79)	31.5 (139)	26 (85)	35 (154)	28 (92)	39 (172)	30 (98)
Ø 20 mm			38 (167)	27 (89)	43 (189)	31 (102)	47.5 (209)	33 (108)
Ø 22 mm			44 (194)	28 (92)	50 (220)	31 (102)	54.5 (240)	33 (108)
Ø 24 mm			50 (220)	27 (89)	55 (242)	29 (95)	60 (264)	32 (105)
Ø 26 mm			54 (238)	25 (82)	60 (264)	27 (89)	67 (295)	30 (98)
Ø 28 mm			56 (247)	24 (79)	62 (273)	27 (89)	69 (304)	29 (95)

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

Technical data

SC 30T

Flow: 5–70 m³/h (22–308 USgpm)

Inlet pressure: 6–12 bar (87–174 psi)

Min operating temperature: -20 °C (-4 °F)

Max operating temperature: 95 °C (203 °F)

Rotation speed: 0.5–1.5 rpm
(Can be slower in colder climate.)

Weight (Machine length, L=1 m): 38 kg (84 lb)

Per additional meter of main pipe: 10 kg (22 lb)

Weight (Drive unit)
Composite: 12 kg (26 lb)
5 kg (11 lb)

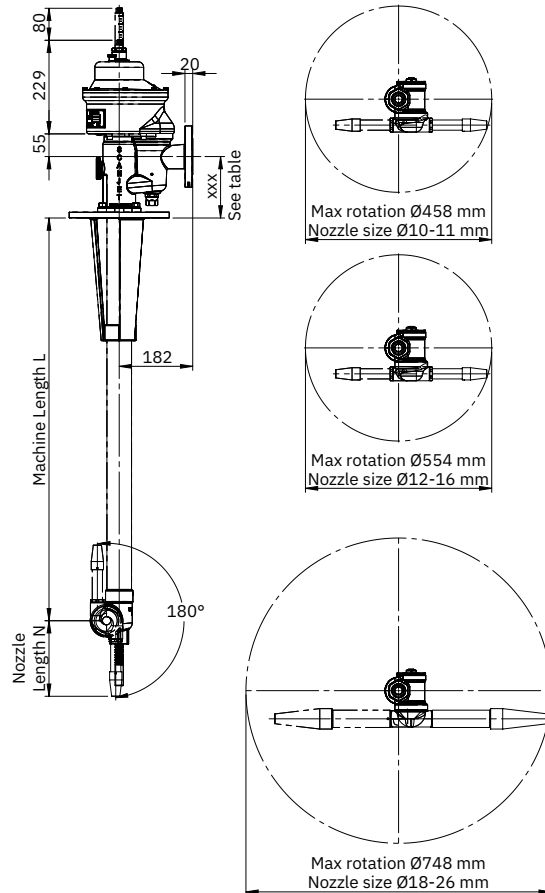
Material; Main pipe and inlet housing: AISI 316, SS2348, WST 1.4404

Material; Other parts: Manufacturer's standard

Service space: Minimum 350 mm radius from center of deck flange for handling and service.

Nozzle length (N) for nozzle size:
185 mm for Ø10-11 mm
235 mm for Ø12-16 mm
335 mm for Ø17-28 mm

Dimensions



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