

Tank cleaning

SC 60A

Introduction

The Scanjet SC 60A is an advanced air operated tank cleaning machine designed for crude oil storage tanks with limited access, providing a no-man entry solution. The slim design enables the SC 60A to fit through support leg openings on floating-roof tanks or similar access points. If no access points are available, new holes can easily be made with the Scanjet SCANCUT tool, which safely cuts a hole in the tank top. The SCANCUT tool and SC 60A are certified to be operated in ATEX zone 0.

Application

The SC 60A has targeted sector cleaning capabilities, making sure of efficient cleaning in hard to clean areas, such as the tank bottom where sludge build-up over time.

The SC 60A is excellent in handling solids found in crude oil, including larger particles, making it highly effective for challenging tank cleaning tasks where reliability and robustness are key element for a successful cleaning.

Working principle

The cleaning media is fed from the supply line into the inlet housing, then through the main pipe to the nozzle and out into the tank. The drive rotates and elevates the nozzle, cleaning the tank in a spherical cleaning pattern. The rotation speed of the machine can be easily set to the desired speed by adjusting the air flow. The rotation and elevation of the nozzle are visually indicated on the scale on the drive unit.

Benefits

- Capable of handling large solids
- Durable industrial design
- Slim design for easy installation through existing support legs
- ATEX zone 0
- Targeted sector cleaning
- No-man entry = safe working environment

Accessories

- The SC 60A comes with a wide range of accessories:
- XL oil lubrication for long operation and service life
 - Flexible adapter for support leg installation



Performance data

Nozzle size	Supply pressure							
	6 bar (87 psi)		8 bar (116 psi)		10 bar (145 psi)		12 bar (174 psi)	
	Flow ¹ m ³ /h (USgpm)	Jet length m (feet)	Flow ¹ m ³ /h (USgpm)	Jet length m (feet)	Flow ¹ m ³ /h (USgpm)	Jet length m (feet)	Flow ¹ m ³ /h (USgpm)	Jet length m (feet)
Ø 16 mm ²	25 (110)	23 (75)	29 (128)	26 (85)	32 (141)	28 (92)	35 (154)	29 (95)
Ø 18 mm ²	30.5 (134)	24 (79)	35 (154)	27 (89)	39 (172)	29 (95)	43 (189)	30 (98)
Ø 20 mm	36.5 (161)	24 (79)	41.5 (183)	26 (85)	46.5 (205)	28 (92)	51 (225)	30 (98)
Ø 22 mm	42 (185)	25 (82)	48 (211)	27 (89)	53.5 (236)	29 (95)	59 (260)	31 (102)
Ø 24 mm	48 (211)	26 (85)	55 (242)	28 (92)	61 (269)	30 (98)	67 (295)	32 (105)
Ø 26 mm	53 (233)	27 (89)	61 (269)	29 (95)	67.5 (297)	31 (102)	73.5 (324)	33 (108)
Ø 28 mm	57 (251)	28 (92)	66 (291)	30 (98)	73.5 (324)	32 (105)	80.5 (354)	34 (112)
Ø 30 mm	61.5 (271)	29 (95)	71 (313)	31 (102)	79 (348)	33 (108)	86 (379)	35 (115)

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

² Not ATEX certified

Technical data

SC 60A-WU

Flow: See table in Performance data

Inlet pressure: 6–12 bar (87–174 psi)

Maximum pressure: 14 bar (203 psi)

Maximum pressure (ATEX): 12 bar (174 psi)

Rotation speed: 0.5–1.5 rpm

Rotation speed (slow version): 0.25–1 rpm

Min/Max temperature of fluid: -20 °C (-4 °F) / 95 °C (203 °F)

Min/Max ambient temperature: -20 °C (-4 °F) / 60 °C (140 °F)

Noise level: 75 dB(A)

Weight (Machine length, L=1 m): 47 kg (104 lb)

Per additional meter of main pipe: 12 kg (26 lb)

Material, Inlet housing/Main pipe: Bronze / EN1.4404

Material, Other parts: Manufacturer's standard

Drive unit – SC160

Drive type: Pneumatic

Operating air pressure: 6 bar (87 psi)

Max air pressure: 7 bar (102 psi)

Max air pressure (ATEX): 6 bar (87 psi)

Max air consumption: 300 l/min (79 USgpm)

Air inlet connection: 1/4" BSP, 1/2" BSP

Vertical sector: Continuously 0°–140°

Elevation: 2.4 ° per rev.

Min/Max air operating temp.: -20 °C (-4 °F) / 60 °C (140 °F)

Dimensions L/W/H: 283 x 173 x 408 (457) mm

11.2 x 6.8 x 16.1 (18) in

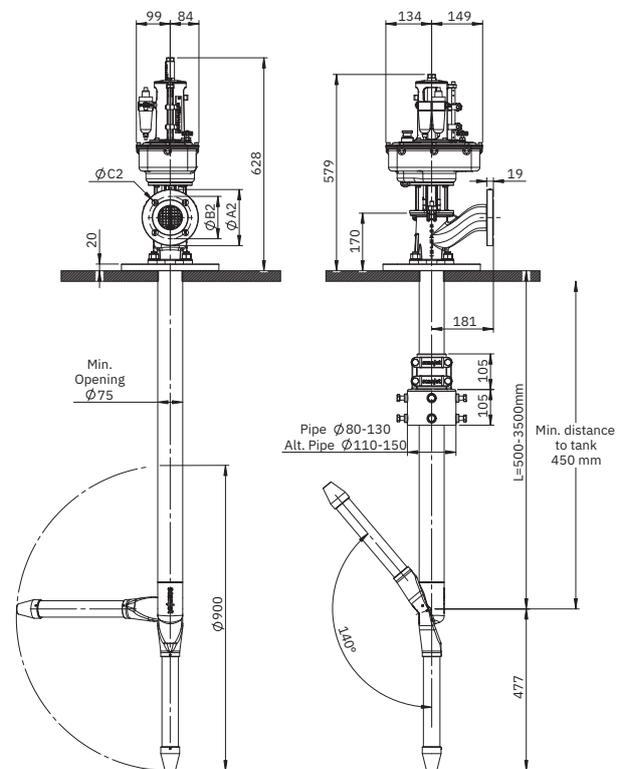
Weight: 14 kg (31 lb)

Material, Main covers: Aluminium

Material, Wash unit connection: AISI316L

Material, Other parts: PEEK, PTFE, Ceramic

Dimensions



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