Product: Tank Cleaning Machine

Type: LTQ (FT Only)

Part Numbers: See Table Below



The Butterworth Type LTQ automated tank cleaning machine provides 360° impact indexed coverage for the cleaning of the inside of tanks and process vessels.

In Application

The Butterworth Type LTQ is a highly versatile machine and is applicable in most all types of tanks for process, storage, and transportation. Tank capacities range from 13,000 to 130,000 US gallons (50 - 500 M3).

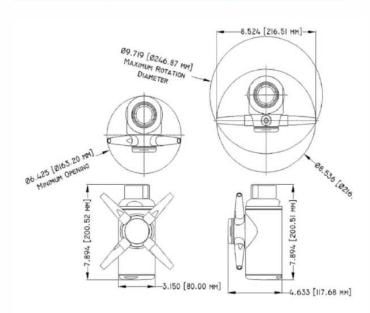
Operational

The Butterworth Type LTQ machine creates a pattern matrix similar to a ball of twine (see cleaning pattern simulation in the lower right-hand corner of this page). A complete pattern is established when 65 axial revolutions of the body have been completed. During the process of this pattern build out, 8 cycles are established with each cycle increasing the density of the pattern matrix.

User Benefits

- Decreased Discharge Generation
- · High Jet-Stream Impact
- Hygienic Design
- Improved Capital Equipment Utilization
- Reduced Energy Costs
- · Shortened Cleaning Times

General Dimensions





General Specifications

Materials Of Construction:

• 316 Stainless Steel/CD4-MCU Duplex S/S

Weight:

• 14 lbs. (6.35 kg)

Lubrication:

Flow-Through (Cleaning Fluid Lubricated)

Pressure Range:

• 0-300 PSI (21 Bar)

Jet-Length Radius:

• 0 – 40' (12.19M)

Temperature Range:

Static : 300°F (149°C)Operational : 300°F (149°C)

Inlet Connection Type:

- 1 ½" NPT (F)
- 1 ½" BSP (F)
- Weld
- Cam & Groove
- Tri-Clamp

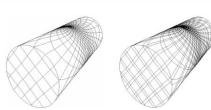
Minimum Tank Opening Requirement & Turn Radius

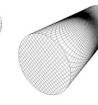
Tank Opening : 6.425" (163.20mm)Turning Radius : 4.860" (123.45mm)

Surface Finish:

• < 25 Ra µ (Micro Inch) – External as standard

Cleaning Pattern Simulation





Cylindrical Tank

Butterworth, Inc.

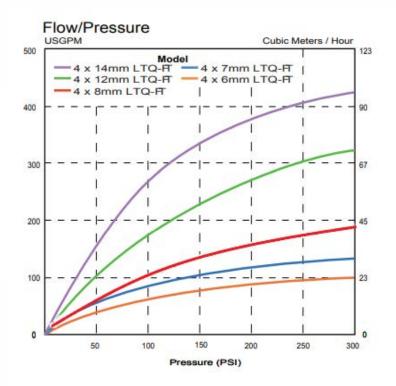
16737 W Hardy Road Houston, Texas 77060 USA Phone: 281-821-7300 Toll Free: 866-920-3233 Fax:281-821-5550 Email: info@butterworth.com www.butterworth.com

101.2022.10.27

Product: Tank Cleaning Machine

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TYPE LTQ - Model Reference Table

Model #	Nozzles	Inlet	Lubrication	Surface Finish	
LTQ634Z31N0FT-01	4 x 6 mm		Media	< 25 Ra µ	
LTQ734Z11N0FT-01	4 x 7 mm	4 500	Media	< 25 Ra µ	
LTQ834Z11N0FT-01	4 x 8 mm	1.50" NPT (F)	Media	< 25 Ra µ	
LTQ1234Z11N0FT-01	4 x 12 mm		Media	< 25 Ra µ	
LTQ1434Z11N0FT-01	4 x 14 mm		Media	< 25 Ra µ	
LTQ634Z31B0FT-01	1B0FT-01 4 x 6 mm		Media	< 25 Ra µ	
LTQ734Z11B0FT-01	4 x 7 mm		Media	< 25 Ra µ	
LTQ834Z11B0FT-01	4 x 8 mm 1.50" BSP (F)		Media	< 25 Ra µ	
LTQ1234Z11B0FT-01	4 x 12 mm] (, ,	Media	< 25 Ra µ	
LTQ1434Z11B0FT-01	4 x 14 mm		Media	< 25 Ra μ	

Part Number Reference Guide

			LT	263	4 Z 3	1 N	OFT-	01	
LTQ	6	3	4	Z	3	1	N	0FT	-01
Machine Type	Orifice of Nozzle	Nozzle Design	Nozzle Hub Type	Gearbox Type	Guide Vane Type	Impeller Type	Connection Type	Lubrication Methodology	Other info specific to part number

