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

Industries
The Butterworth Type BC is a highly versatile machine and is applicable in most all types of tanks for process, storage, and transportation. Tank capacities range from 500-45,000 gallons (1.8-170 M³)

Operational
The Butterworth Type BC 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 (for a 4 nozzle hub) and/or 4 cycles (for a 2 nozzle hub) are established with each cycle increasing the density of the pattern matrix.

User Benefits
- Hygienic Design
- High Jet-Stream Impact
- Reduced Cleaning Times
- Reduced Effluent Generation
- Reduced Energy Costs
- 100% Self-Rinsing (for specific models)
- Improved Capital Equipment Utilization

Specifications Summary
- 316 Stainless Steel/CD4-MCU Duplex S/S
- See manual for parts detail
- 11 lbs. (5.0 kg)
- Flow-Through (Media Lubricated)
- 0-300 PSI (21 Bar)
- Static : 300°F (149°C)
- Operational : 300°F (149°C)
- 1 ¼” NPT (F)
- 1 ¼” BSP (F)
- Weld
- Cam & Groove
- Others on request

Minimum Tank Opening Requirement & Turn Radius
- Tank Opening:
  - Type 1: 4.404” (111.87 mm)
  - Type 2: 4.404” (111.87 mm)
- Turning Radius
  - Type 1: 5.562” (141.27mm)
  - Type 2: 5.903” (149.94mm)
- ≤ 25 Ra μ (Micro Inch) – External as standard
- ≤ 15 Ra μ (Micro Inch) – Electropolished
- Others on request

Certified Dimensional Drawing
- DWG1634 and DWG1635 (Type 1 and Type 2 Nozzles)

Part Number Reference Guide
BC 3 1 4 Z 4 3 N OFT

Nozzle Types:
- Type 1 = Short
- Type 2 = Long
Other connections available on request
Product Data Sheet
Product: Tank Cleaning Machine
Type: BC (FT Only)

Jet-Length (Radius)

General Dimensions

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