

Bio 50 - 2 Nozzle

Hygienic Tank Cleaning Machine...for large tanks



The Bio 50 rotary jet head is a hygienic tank cleaning machine that provides 360° coverage within a given tank or process vessel. The Bio 50 is self powered by the flow of the fluid through the inlet cone of the machine. An increase in pressure and flow will correspondingly increase the length of the jet and impact upon the tank or vessel surfaces. The Bio 50 employs exclusive self-washing features that allows itself to be completely washed and has been certified in rinse validation protocols such as riboflavin validation and yogurt washing tests. The Bio 50 is designed for larger more difficult tanks to clean where longer jet-lengths and greater wetting intensities are required with controlled rotation values for ultimate cleaning results.

Quality Standards...

The Bio 50 is produced in accordance to stringent quality standards and meets or exceeds ISO 9001 International Quality Standards as well as conforming to the cGMP as detailed by the United States FDA (Food and Drug Administration) and EHEDG (European Hygienic Equipment Design Group).

Typical CIP Cleaning Methods...

- Fixed Installed CIP Systems
 - Multi-Tank Solution Recovery
 - Single Use/Single Pass
 - Single Use/Recirculatory

Typical Applications...

- Process Vessels and Reactors
- Large Air Dryers
- Large Juice Storage Tanks
- Large Fermenters
- Large Sugar Tanks

Specifications...

| | |
|---------------------------------|--|
| Flow | 0-98 m3/hr (0-431 USGPM) |
| Inlet Pressure Range | 2-20 BAR (30-300 PSI) |
| Maximum Temperature (Operating) | 95°C (203°F) |
| Maximum Temperature (Static) | 140°C (284°F) |
| Weight | 6.8 kg (14.96 lbs) |
| Connection Standards | 2.00" NPT(F) and 2.00" BSP(F); others on request |
| Material | AISI 316, PTFE, PEEK, Tungsten, Al2O2 |
| Lubrication | Cleaning Media |
| Surface Finish | <= 20 Ra Microinch |

Key Features Bio 50 2N

Bio 50 is an advanced tank cleaning machine specifically developed for very large tanks in...

- Food & Dairy
- Pharmaceutical
- Chemical Processing
- Transportation & Storage
- Beverage

Where...

- Self-washing is required
- High impact values needed
- Hygienic design required
- Long jet lengths required

Bio 50 2N



Nozzle extensions for long jet-lengths



Patented Flush Drive Technology
Patent No. 5E534034C2



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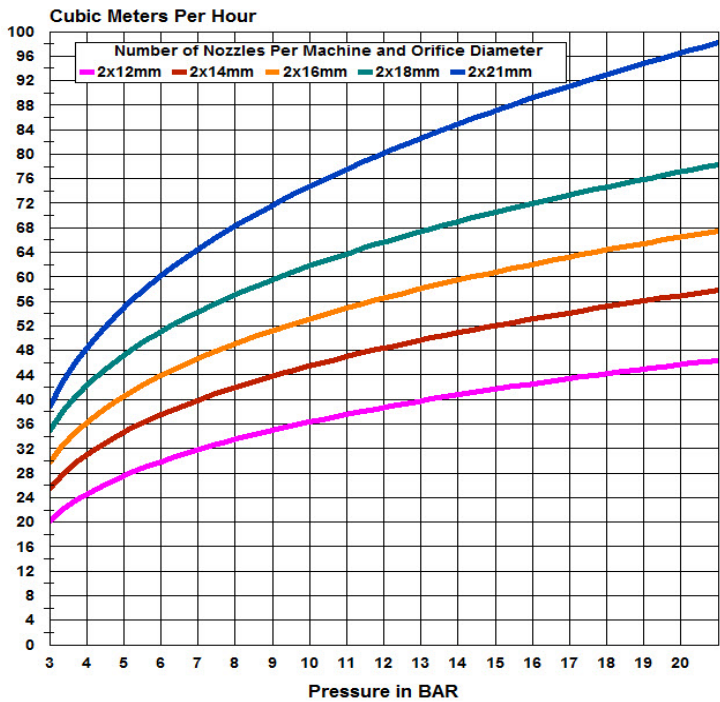
Stocking Locations in USA, Canada and Mexico

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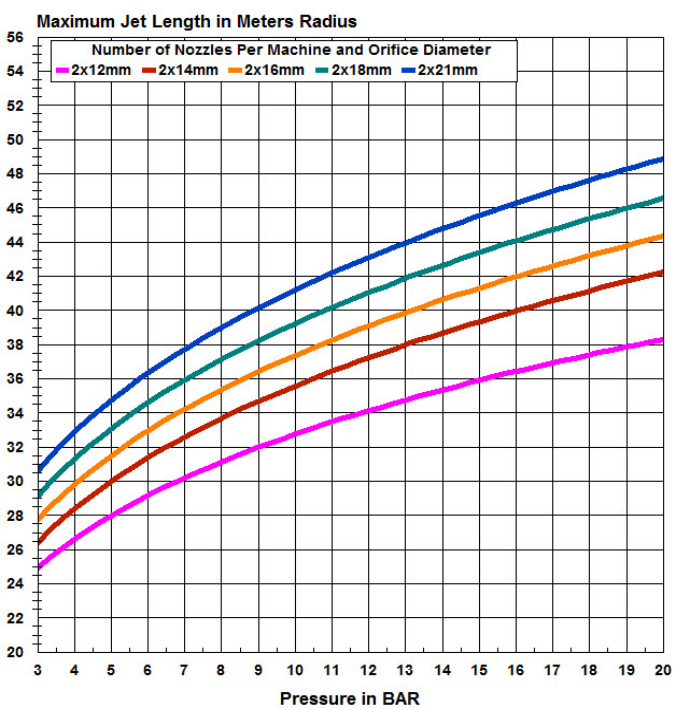


Technical Performance

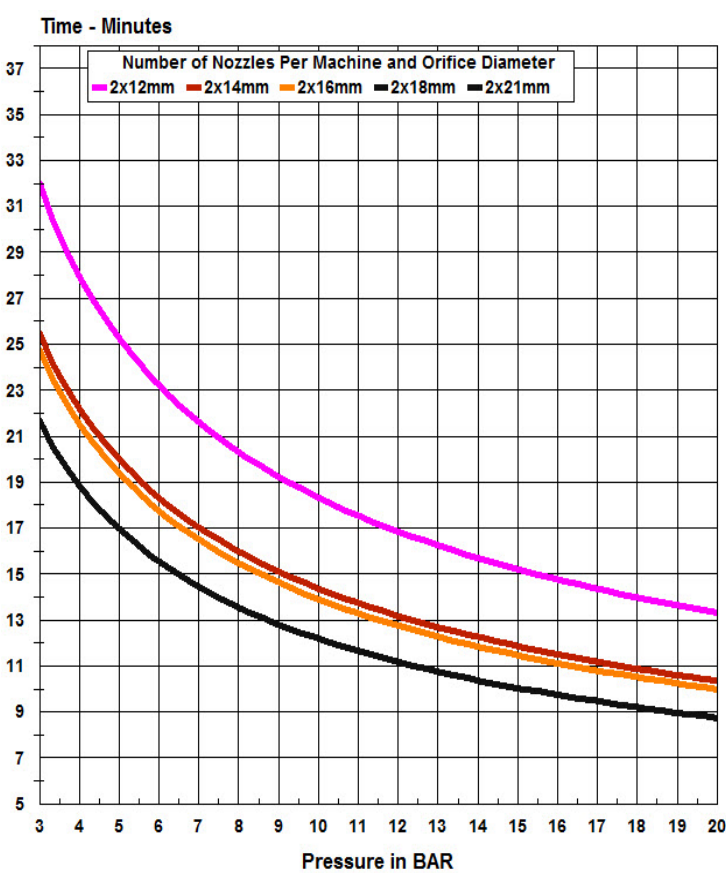
Pressure/Flow



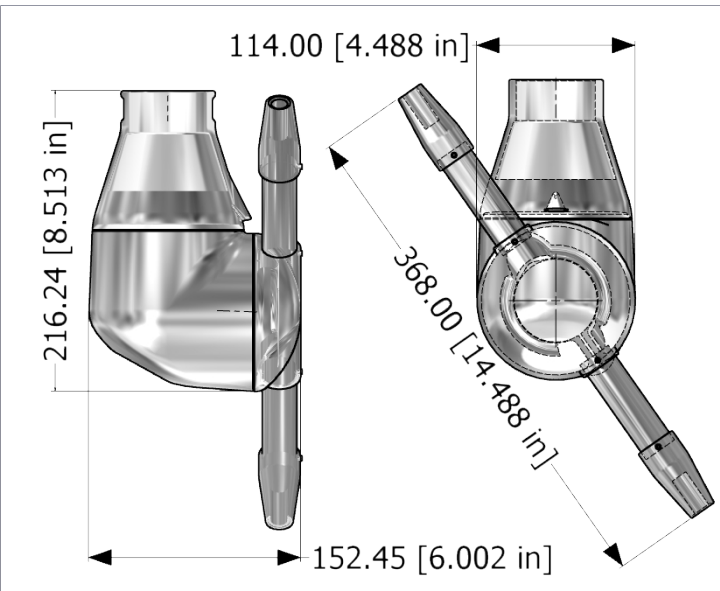
Jet-Length



Pattern Time



Dimensions (mm/in)



Dimensions are in mm and inches

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We reserve the right to changes without prior notice.