



Leading the Industry in  
**ROTARY IMPINGEMENT  
TANK CLEANING MACHINES**



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## SETTING THE STANDARD IN TANK CLEANING

*An innovator in the industry, Cloud Company engineered, designed and patented the world-renowned early tank cleaning models (Model II, II-B and III). Continuing to set the standard in rotary impingement technology, Cloud pioneered the next generation Model 360, the benchmark by which all other tank cleaners are measured today.*

*With over 140 combined years of excellence and innovation, Cloud Company and Sellers Cleaning Systems have a proven legacy of service in the following industries: Bulk Transport, Marine, Food Processing, Brewing, Wineries, Pharmaceutical, Bio-Fuels, Ethanol, Steel Mills, Pulp and Paper, Chemical Processing, Paint and virtually all industrial manufacturers.*

*The Cloud and Sellers broad range of products includes a variety of superior tank cleaning machines for interior cleaning of all process, storage, and transportation tanks and vessels. While most units can be configured to meet your specific application needs, each model will efficiently and effectively scour every inch of your tank with a minimum of effluent and reduced cycle times, and most units also offer the ease of field maintenance.*

*All models are 100% manufactured to the highest quality standards at the Cloud production facility in San Luis Obispo, CA.*

## WASHDOWN STATIONS AND INJECTORS

### ***B Jet – Steam Injector***

B-Jet injectors are designed for external cleaning of plant equipment and can be supplied with hose, hand-held lances and hose reels and with or without detergent siphon capabilities. The B-Jets may also be used as feed devices for our small low flow rotating tank cleaners. The B-Jet is available in five model capacities (B250, B450, B600, B1000 and B1250 GPH). Requiring a minimum of 60 psi steam, the B-Jet series combines cold water and steam to provide a high-pressure, hot water cleaning solution, generally  $2\frac{1}{3}$  times the input steam pressure. B-Jets operate with no moving parts.



The NEW All Stainless B-Jet injectors are available in the 600, 1000, and 1250 GPH capacities, and can be supplied with a stainless steel lance for Food and Pharmaceutical applications that require 300 Series stainless. These models operate in the same manner as the injectors above, and are ideal for external cleaning or as feed units for the Cloud-Sellers Sanitary 316 S.S. Tank Cleaner family.



*Available w/hose and lance*

### ***BX Jet – Steam Injector***

BX Jet injectors are designed to provide greater capacities of high-pressure, hot water for internal cleaning applications. These models can replace pumps and heat exchangers in a pass through, or non-recirculating application. Ideal as feed devices for tank cleaning machines or multiple point cleaning units or nozzles, BX models are available in 2,000, 3,000 and 4,000 GPH ranges.



## TANK CLEANING MACHINES

### **Model 360/363 – Tank Cleaners**

The standard on which all other tank cleaning machines are based, the patented Model 360 is the most durable and reliable tank cleaning machine available worldwide today. The 360 rotary tank cleaner combines all the features needed to handle the most serious tank cleaning problems, including: gear ratio options, a variety of nozzle sizes, choice of two or three nozzles, food grade oil lubricated and flow through gearbox designs. It offers an unparalleled combination of features that provide maximum cleaning flexibility, predictable cleaning results and minimum cleaning cycle times.



Dual nozzle machines have traditionally been the choice for cleaning bulk transport trucks in that industry. In major breweries, both the dual nozzle and triple nozzle units, in various configurations, have been the units of choice for over 30 years.

Model 360 provides a powerful and thorough 360-degree cleaning pattern every 60 revolutions. Available with either a 655:1 or 273:1 gear ratio and different rotor and stator combinations, Model 360 can be tailored to fit your exact application needs. Operational ranges include: inlet pressure from 40-700 psi (2.81-49.2 kg/cm<sup>2</sup>), flows ranging between 30-300 GPM (1.89-18.92 l/s) and has an effective cleaning diameter up to 100 ft (30 m)

*The Model 363 (patented) low flow model has been specifically designed for low flow applications and has specially designed rotors, stators and an inlet stem to enable effective cleaning at both high pressure/low flow and low pressure/low flow applications. Available with dual nozzles as small as .156". We recommend a food-grade oil-lubricated gearbox for applications in the 150 psi to 700+ psi range and flow-thru gearbox designs for lower pressures.*

### ***Model 180 Directional – Tank Cleaner***

The patented 180 Directional provides a concentrated cleaning stream that is effective in removing difficult batch residuals and heavy sludges from the bottom and shadow areas of tanks, open-top tanks and other process vessels... all while generating less waste water than conventional tank cleaning machines with 360-degree coverage.



Designed to produce true 180-degree coverage, the Directional 180 unit includes most of the standard components of Model 360 (interchangeable gear ratios of 655:1 or 273:1, food grade oil lubricated or non-lubricated flow-through gearbox designs) with the exception of the nozzle carrier.

The combination of modern engineering and manufacturing techniques and state-of-the-art construction materials results in a directional unit that offers unmatched performance and reliability. Operational ranges include: inlet pressure from 60-350 psi (2.8-24 bar), flows ranging from 40-350 GPM (9-79 m<sup>3</sup>/h) and cleaning radius to 40 ft (12.2+ m).

### ***Model 700/750 – Marine Tank Cleaner***

Model 700 combines all the best features of the Model 360 with some new marine-specific features. This model is supplied with an inlet stem that incorporates a 1" (2.54 cm) tie-off for control and security and both a 2" NPT female internal and a 2½" NH outside threaded connection. The Model 750 also incorporates a bumper system that protects the nozzle head, nozzles and gearbox, and the tank walls and linings from damage during use aboard ships. And, several internal component improvements were included to provide even more utility and reliability.



Available with a dual or triple nozzle housing, the Model 700/750 operates with either a self-lubricated flow-through or a sealed oil-lubricated gearbox. Operational ranges include: inlet pressure from 40-500 psi (2.8-34 bar), flows ranging from 40-350 GPM (9-79 m<sup>3</sup>/h) and a cleaning diameter to 100 ft (30 m), at temperature ranges up to 250°F (121°C). Castings are constructed of 316 stainless steel.

## TANK CLEANING MACHINES cont.

### ***Tankmaster Small Tank Cleaners***

The patented Tankmaster was originally designed for small tanks with a 3" (76 mm) schedule 40 or schedule 80 opening or clean-out. The Tankmaster provides a thorough, reliable and cost-effective high-impact 360-degree cleaning pattern at low to medium pressures and volumes.

Today the Tankmaster is available in three different configurations (T-5, T-6 and T-7) to accommodate a variety of cleaning applications, including small tanks, vats, totes, IBCs, wet wells, sewers and bulk transport vehicles. With its sealed gearbox design and 45-tooth external gears, it provides a thorough 360° cleaning pattern every 45 revolutions capable of tackling even the most challenging clean-outs with stubborn soils. The Tankmaster consistently outperforms all competitive units. It can operate between 100-600 psi (6.9-41.4 bar), supplying 12-40 GPM (45-151 l/m), and can effectively clean 40-foot diameter vessels.



### ***Tankmaster T-5, T-6***

The T-5 dual-nozzle and T-6 triple-nozzle units with short nozzles fit through 3" openings. Long nozzles may also be added to the T-5 and T-6 units to provide additional reach and impingement cleaning when needed.

### ***Tankmaster T-7***

The T-7 is the only four-nozzle unit in the Tankmaster family and can be supplied with long and short nozzle sizes as well as different orifice plates for ease of cycle time adjustments. For the toughest small tank cleaning jobs, the T-7 with long nozzles is an excellent choice.

### ***Jumbo 6 – Tank Cleaner***

Ideal for breweries, dairies and other food industries, the Jumbo 6 is a compact, lightweight, non-lubricated tank cleaning machine that offers unmatched flexibility and reliability for critical tank cleaning. It is designed to clean tanks to 30 ft (9 m) in diameter and is used in clean-in-place installations. Materials used in the Jumbo 6 construction include 316 stainless and FDA approved plastics, making it food-grade approved and capable of operating with the widest range of cleaning solutions. The unit is hydraulically operated through a fluid drive that provides a consistent but flexible rotational speed to assure optimum cleaning by powerful jet streams. There are no reduction gears or lubrication required. The Jumbo 6 has 45-tooth external self-cleaning gears which provide a thorough 360-degree indexing cleaning pattern every 45 revolutions.



The unit is available in three different nozzle sizes and three different configurations. The recommended operating pressures for the Jumbo 6 is 50-150 psi (3.5-10.3 bar). For applications with extreme temperatures up to 500 degrees, the HT model is the perfect and only choice

### ***Tankman – Tank Cleaners***

The Tankman provides effective, thorough and reliable tank cleaning in the brewing, chemical processing, pharmaceutical, food processing, ethanol and dairy industries. Available in both dual- and triple-nozzle models, the hydraulically operated Tankman concentrates hot or cold cleaning solutions into powerful scouring action. Non-lubricated and self-cleaning, its 45-tooth external gears result in thorough, 360-degree cleaning pattern every 45 revolutions. The slow rotating speed of the unit and the simplicity of the design provide thorough and effective cleaning, trouble-free service and ease of field maintenance when required.



At only 15 lbs (6.8 kgs), the Tankman operates between 60-200 psi (4.1-13.8 bar) and has an effective cleaning diameter of 50 ft (15.2 m).

## TANK CLEANING MACHINES cont.

### ***SVRU – Wash-Heads***

The SVRU series of rotating wash-heads are hydraulically driven by the cleaning solution and are ideal for general purpose clean-in-place, pressure cleaning, chemical distribution and passivation applications. There are three models available (A, B and C) which operate between 10-120 psi (.7-8.2 bar) and supply an effective rinsing solution between 1.3-38 GPM. The units have a balanced thrust design, operate in any position (vertical, horizontal, etc.) and are constructed of 316 stainless steel and thermoplastic bearings. SVRU units are designed for simple, quick on-site maintenance.



### ***Drum Major – Rotating Cleaning Head***

The Drum Major offers a slimline, sanitary design that is ideal for clean-in-place or portable applications. This rotating cleaning head is perfect for tank openings as small as 2" and is equipped with a 7/8" probe or shaft that fits through even smaller keg or drum openings. Hydraulically driven by the pressure of the cleaning solution, the Drum Major's shaft rotates at a slow speed, ensuring a forceful impingement from any installation position. It operates from 50-180 psi (3.4-12.4 bar) and 12-30 GPM (2.7-6.8 m<sup>3</sup>/h) and delivers an effective cleaning radius of 6 ft (1.8 m) and wetting radius of 12 ft (3.6 m). A choice for four spray patterns are available for added versatility of cleaning of open top or bottom tanks or drums and for a directional spray pattern. Constructed of 316 stainless steel and food grade approved materials, with optional sanitary inlet connections available. The Drum Major is engineered for durability and simplicity of field service.



### **Troll Ball – Rotating Cleaning Heads**

Designed for clean-in-place or portable applications, the Troll Balls are fluid-driven units that offer forceful impingement. Unlike traditional static spray balls, the ball of each unit rotates at a slow speed, ensuring effective impingement of the cleaning solution on the interior walls. Troll Balls are constructed with 316 stainless steel and other food grade approved materials. With four available spray patterns, Troll Balls are the perfect solution for all your portable, clean-in-place requirements.

#### **2" Troll Ball**

The 2" Troll Ball fits through a 2" opening and weighs 2 1/4 lbs. Operating from 50-200 psi (3.5-14 bar) and with a flow capacity of 13-34 GPM (2.6-17.7 m<sup>3</sup>/h), the 2" Troll Ball provides an effective cleaning radius of 6 ft (1.8 m).

#### **3" Troll Ball**

At 4 3/4 lbs, the 3" Troll Ball is suited for slightly larger applications (3" opening). The 3" Troll Ball operates between 50-200 psi (3.5-14 bar), has a flow capacity of 30-76 GPM (6.8-17.3 m<sup>3</sup>/h) and an impressive cleaning radius of 12 ft (3.6 m).

### **Orbi-G4 – Rotating Tank Cleaner**

The Orbi-G4 rotating tank cleaner provides a complete tank cleaning solution that is both thorough and cost-effective. Consisting of four nozzle heads, the Orbi-G4 produces a 360-degree indexing spray pattern that repeats every 45 revolutions and is designed to fit through a 3.75" opening. It is the ideal choice for cleaning totes, IBCs or processing tanks in most industries. Providing high-impact cleaning of tanks or vessels up to 30 ft in diameter, the Orbi-G4 is based on a self-cleaning flow-through design that weighs only 3 lbs (.9 kgs). The Orbi-G4 was engineered with a focus on simplicity of design that results in ease of use and field service. The Orbi-G4 operates from 50-300 psi (3.4-20.7 bar) and is available in multiple nozzle sizes.

The Orbi-G3 is also available for similar applications where the opening size is limited to 3.0". This model is available in various nozzle sizes for effective cleaning to 300 psi (20.7 bar)

**Note:** ALL TANK CLEANER models shown on pages 4-9 can be supplied the required cleaning solution by the appropriate pump or they can be matched to one of the SELLERS B-Series or BX-Series injectors when used in a pass through or non-recirculating system.





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