

Advanced  
Tank Cleaning Systems  
for the Brewing Industry



800.654.5635  
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ENVIRONMENTALLY PREFERRED

FAST CLEANING AT LOW COST

GUARANTEED QUALITY ASSURANCE



## Toftejorg

Toftejorg is the leading supplier of advanced systems for the automatic cleaning of tanks used for storage, process and transportation.

In the brewhouse vessels, fermentation and storage tanks, Toftejorg rotary jet heads provide the highest cleaning standards at low cost. Many other vessels from yeast to bright beer tanks can also benefit from using the specialized, wide range of Toftejorg equipment.

Below are some actual examples of the cleaning standards achieved in our customers' brewkettles and fermentation tanks.

### Brewhouse



Brewkettle, dirty



Brewkettle, clean

### Fermentation



Tank, dirty



Tank, clean

### Storage Tanks



### Benefits for the Brewery

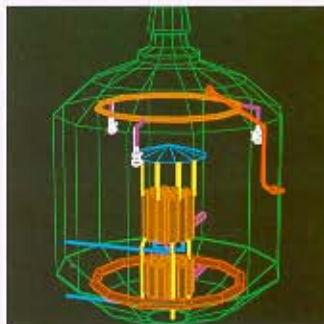
The use of Toftejorg rotary jet heads continues to grow in breweries, since

- The financial savings in reduced water and effluent volumes, together with faster cleaning times, are increasingly important factors in a brewery operation.
- The costs of installation and use of Toftejorg systems are collectively less than alternative cleaning systems.
- The vessel cleaning standards can be consistently achieved.

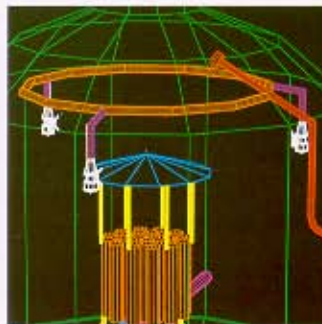
### Optimising Installation

After selecting the relevant Toftejorg system for your cleaning application, it is important to install the individual units in the correct positions. Toftejorgs' technical staff can evaluate tank dimensions and provide a CAD generated installation drawing with details on location, piping, pressure/flow requirements to ensure the correct cleaning result.

In addition, our advanced software allows for the analysis of cleaning shadows and can generate individual patterns for the vessels concerned. This results in a cleaning design capable of meeting the necessary quality assurance and process standards required.



General Arrangement



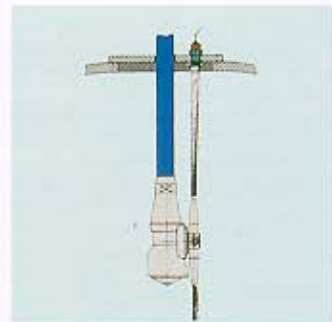
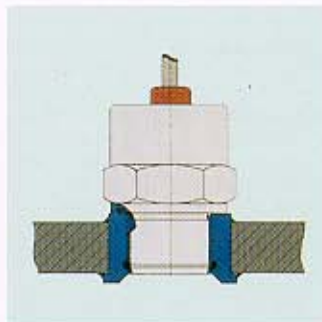
Location Analysis



Product Selection

### Cleaning Validation

Toftejorg is able to include its Rotacheck system which can validate the 360° operation of the relevant rotary jet head. This is achieved by monitoring the movement of the jet stream and represents the optimum method of validation. Quality assurance standards increasingly demand this form of remote control which can easily be integrated into the breweries' automatic process systems.



Further details on Rotacheck can be obtained from the separate data sheet.

## Application Guidelines

Area	Vessels	TZ-74 / TJ 20G
Brewhouse	Mash vessel	1
	Cereal cooker	1
	Lauter tun	2 - 3
	Wort kettle	2 - 4
	Whirl pool	1
Fermentation/ Maturation	Open	1 - 2
	Closed rectangular	1 - 2
	Vertical, cylindro conical	1
	Horizontal	1 - 3
Yeast	Vertical or horizontal	1*
Bright Beer	Vertical, cylindrical	1*

\* Sani Magnum rotary spray head alternative



Sani Magnum



TJ 20G (patented by Toftejorg)



TZ-74

## Quality System

Toftejorg tank cleaning equipment is produced in accordance with ISO 9001 International Quality Standard.

## Information

For further information please ask your local Toftejorg sales office or representative for a full proposal on how to use Toftejorg equipment to improve your tank cleaning operations.



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# Toftejorg



TANK CLEANING SYSTEMS

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