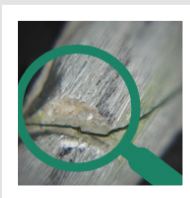


Take a **closer** look at your process line

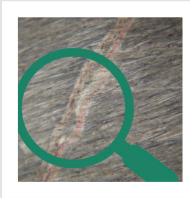


## Tank Validation Test

- Independant quality assurance
- Cost reduction
- Easy access to documentation



Crack



Scratch

Bactoforce Tank Validation Test is an effective way to perform an acceptance test of new tanks when manufactured - and thereby document the quality of your product.

With more than 2000 tank inspections performed per year, Bactoforce offers a unique know-how and experience.

We recognize the need to work effectively to reduce equipment downtime - without compromising safety. Our inspectors are trained in working in confined spaces and at height, and carry the right equipment to perform inspections effectively and safe.

Advantages include:

• **Independant quality assurance:**

Using a independant quality inspection at delivery of the tank is an assurance to both the supplier and buyer that the condition of the equipment is according to specification. Documentation of quality will typically result in reduced defect rates and strenghten the buyer/supplier relationship.

• **Cost reduction:**

Identifying and correcting defects can be performed at a lower cost when done before installation. And avoids production downtime.

• **Easy access to documentation:**

We document all inspections and make them available on-line. Easy access for internal and external audits and analysis of equipment status.

# Procedure - Tank Validation Test

## Tank Validation Test

The Tank Validation Test is a factory acceptance test of new equipment, before it is handed over to the end user.

This is to validate that the equipment fulfils the requirements of use in industries with high hygienic requirements in the food, dairy or pharma industry.

The Tank Validation Test is based on the combination of different non-destructive test methods and modified to inspections of large surfaces in equipment with high hygienic requirements.

## Content of the Bactoforce Tank Validation Test

- Visual inspection with white light to locate mechanical defects in the equipment or instruments located in the inspected area.
- Surface crack test based on ISO 3452-1 and modified for inspections of large surfaces to locate surface defects inside the equipment.
- Onsite localization of imperfection, and visual inspection of corrected imperfections.

## Other Bactoforce Services

### Heat exchanger/pasteurisers

- *Leakage test*
- *Organic residue test*
- *Energy side cleaning*
- *Calibration*
- *Holding time test*
- *Holding tube measurement*
- *Diverter valve reaction time*

### Tanks

- *Tank integrity test*
- *Validation of new tanks*
- *Riboflavin test / CIP validation*

### Sensors

- *Temperature*
- *Flow (on-site /off-site inspection)*
- *Pressure*
- *Conductivity*

### Pipes

- *Hygiene inspection*
- *Welding control*

## R-force - working with Bactoforce



REPORT. READ. REACT.

### Web-based reporting system

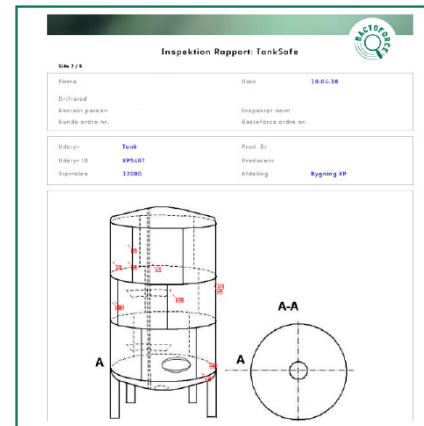
Bactoforce is using an on-line reporting system, R-Force, which allows our customers to have full access to current and historic inspection reports.

The system also gives a systematic overview of equipment, planned inspections and agreed inspection frequency.



Equipment	Equipment	Type	Inspection	History	Next
UF 1000	UF 1000	Heat exchanger	2019-03-01	2019-03-01	2019-03-01
UF 1000	UF 1000	Tank	2019-03-01	2019-03-01	2019-03-01
UF 1000	UF 1000	Tank	2019-03-01	2019-03-01	2019-03-01
UF 1000	UF 1000	Tank	2019-03-01	2019-03-01	2019-03-01
UF 1000	UF 1000	Tank	2019-03-01	2019-03-01	2019-03-01

Inspection overview



Report - on-line available

