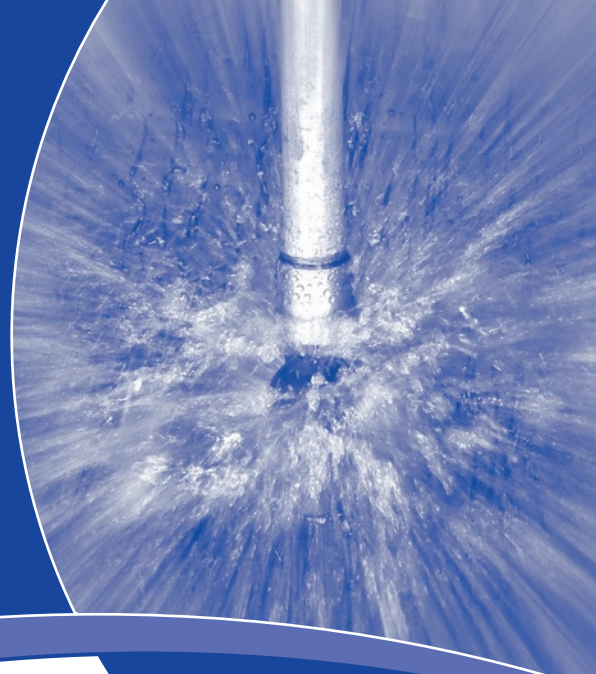


THALETEC HydroCIPPY

Retractable CIP nozzles



THALETEC HydroCIPPY Retractable CIP nozzles

Together with a CIP-cleaning systems specialist, THALETEC has developed a modular system for the CIP-cleaning of glass-lined process-equipment.


The cleaning system consists of a retractable and extendable lance with a rotating spray ball at the lower end.

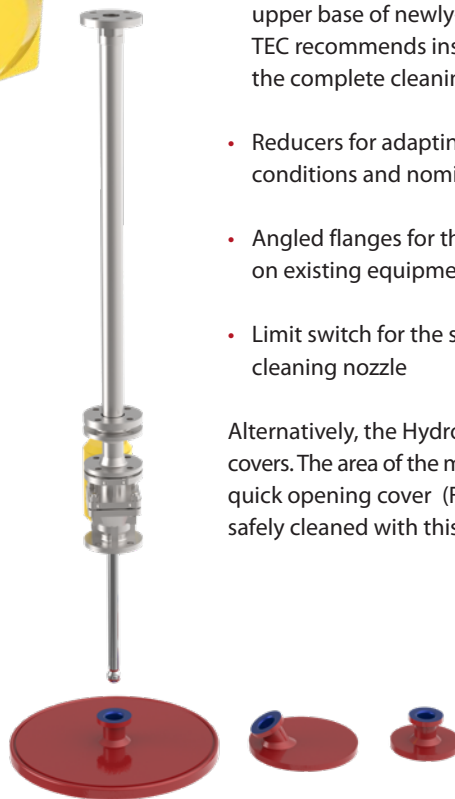
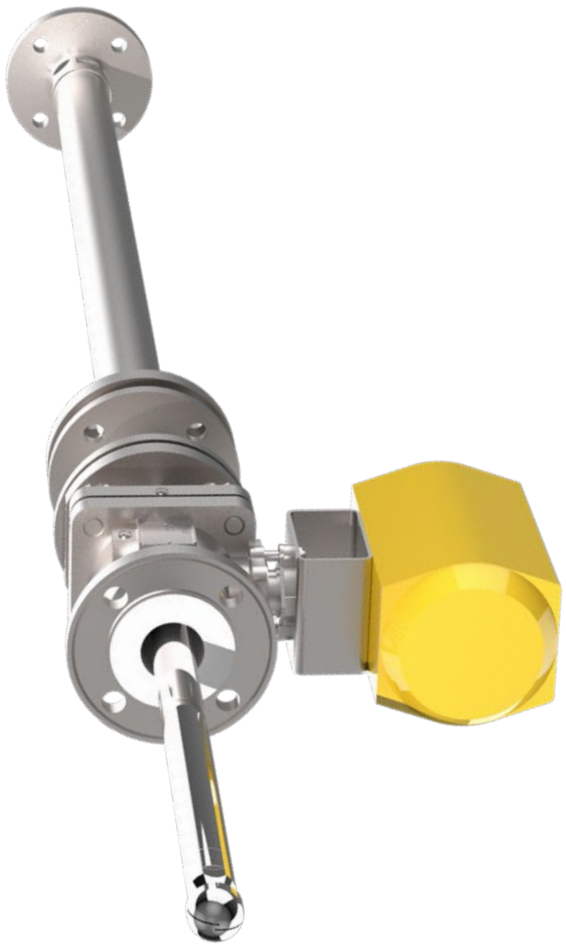
The lance is extended into the reactor or tank by the pressure of the cleaning medium and automatically retracted by spring force after the CIP process.

A chemically resistant, pneumatically actuated ball valve reliably protects the CIP system during the chemical process inside the reactor.

Suitable accessories are available for installation on glass-lined tanks and reactors:

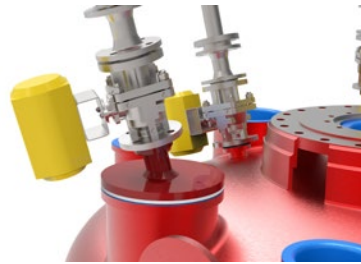
- Optimally positioned CIP nozzles in TT block flange design on the upper base of newly-manufactured glass-lined apparatus. THALETEC recommends installing at least two HydroCIPPY systems for the complete cleaning of glass-lined agitated tanks.
- Reducers for adapting the HydroCIPPY to different connection conditions and nominal diameters
- Angled flanges for the optimum positioning of the HydroCIPPY on existing equipment
- Limit switch for the safe detection of the end positions of the cleaning nozzle

Alternatively, the HydroCIPPY is available for mounting on manhole covers. The area of the manhole opening (cover, sight glass, Quickport quick opening cover (Flyer K022 )) and the nozzle neck can be safely cleaned with this.



Advantages

- Compact design
- Completely self-draining
- The system when idle is completely decoupled and protected from influences of the media in the reactor or tank.
- Standardized design which meets all requirements of glass-lined equipment for CIP cleaning
- No additional drive elements, since driven entirely by media pressure
- ATEX approval of the spray ball for use in potentially explosive atmospheres (II 1 GD c TX)
- No restriction regarding cleaning media, as long as the materials used are resistant to corrosion.
- System can be installed in all positions (e.g. horizontal, vertical, inclined)



Operating Parameters:

- Pressure of the cleaning medium: 2-5 bar
- Flow rate 100 l/min (3 bar) to 130 l/min (5 bar)
- min. travel:
 - up to 300 mm for installation on manhole openings
 - up to 700 mm for installation on other nozzles

Materials:

Flanges, reducers, fittings: steel, glass-lined as per customer requirements

Surfaces in contact with cleaning media: 1.4404
Ball valve surfaces in contact with the product: PFA

Operating Conditions:

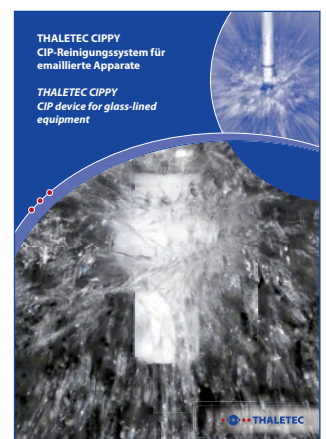
- Max. tank pressure: -1/+16 bar
- Max. temperature in the ball valve area: 200°C
- Max. temperature of the cleaning medium: 130°C

Other THALETEC systems for cleaning glass-lined equipment:

THALETEC Flushing for mounting on tank nozzles (Flyer K026 [↗](#))

THALETEC RotoCippy and StatiCIPPY: Permanently mounted spray balls (Flyer K082 [↗](#))

Further information on the subject of GMP-compliant glass-lined process-equipment can be found in Flyer K085 [↗](#)



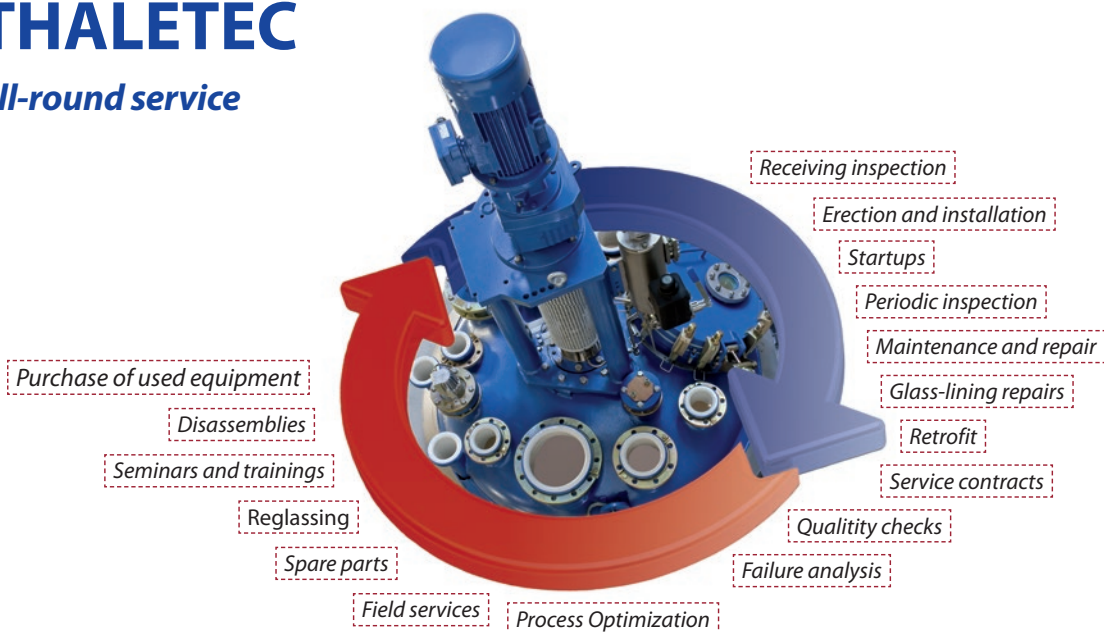
We would like to advise you regarding the advantages of glass lined equipment like:

- Glass lined reactors acc. to DIN 28136
- Glass lined Pharma Reactors
- Components for pharmaceutical and high purity applications
- Mixing technology for pharmaceutical and chemical industry
- Reactors for Polymerization
- Storage Tanks and Receivers
- Columns
- Heat Exchangers
- Sensor technology
- Accessories

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