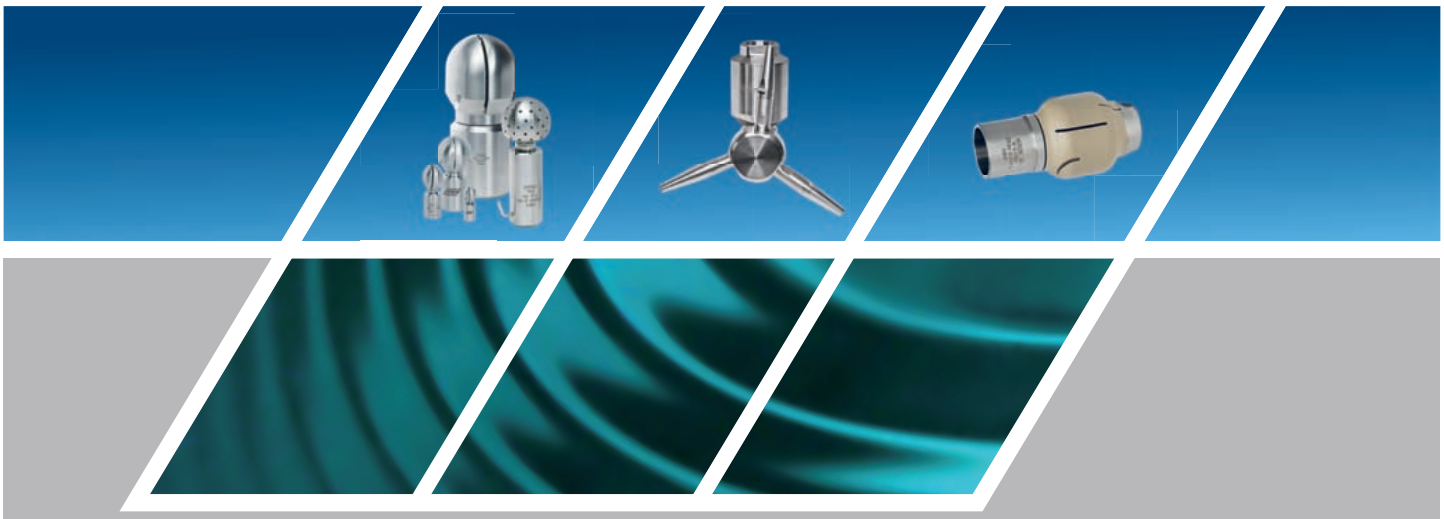
Armaturenwerk Hötensleben GmbH

Cleaning Technology



Member of NEUMO-Ehrenberg-Group

"Spray heads for all purposes – economically efficient cleaning of vessels and tanks"

Your Experts for CIP

- Wide range of cleaning devices, included products which meets the requirements of 3-A Sanitary Standards
- ATEX-products
- Solutions for each cleaning task
- Huge quantity of products on stock
- 100 years experience in stainless steel handling
- Made in Germany

High Quality for attractive Prices

- Development, fabrication and distribution at first hand
- Standardized fabrication procedures
- Certified fabrication and quality service acc. to ISO 9001
- ASME-BPE, 3-A or EHEDG compliant
- FDA-compliant products
- Certificates: material 3.1, delta-Ferrit, Ra, USP class VI
- Stainless steel materials: 316L (1.4404/1.4435), 316Ti (1.4571), HC22 (2.4602), HC4 (2.4610)

Advantages

- Reduction of cleaning agent consumption
- Reduction of cleaning duration
- Increase of the equipment availability
- Increase of the operational safety
- Validation of the cleaning processes via sensors

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AWH Cleaning Systems

TANKO® S and TANKO® RB

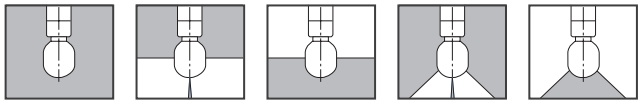
Cleaning devices for tanks or vessels are being applied since several decades. The achievable cleaning results could be considerably improved by developing new devices. Thanks to AWH development work, significant savings, best cleaning results and product safety emerge from today's economical surge cleaners (TANKO® S).

The rotating sprayhead TANKO® RB unites the well-known features of a static spray ball with the advantages of a rotating system. Owing to the spray ball rotation large quantities of cleaning agent are spread homogenously onto the inner surface of your vessels in shortest time. The results are a considerable reduction of cleansing agent consumption and cleaning duration. Even in case of a failure of the rotating system, the cleaning function of the now static spray ball is maintained.

Technical Details

- Connections: clipon, thread, orbital weldon acc. DIN 11866
- Operating pressure: cleansing medium 0,5 - 10 bar *
- Volume flow rate: 0,25 - 20 m³/h *
- Volume flow rate: 3 - 200 l/min *
- Recommended diameter for cleaning from 0,2 m to max. 6 m *
- Bearing: spray ball supported in double bearings

*depending on model and cleansing medium



360° *180°* *180°* *270°* *90°*

TANKO® AN Weldon Adapter and Downpipes

Cleaning devices are to be hygienically installed into the tank. This task starts with the installation of cleaning devices in the tank. Here, various solutions are available:

- Threaded connection acc. to DIN 11851 with weldon nozzle
- TriClamp with weldon nozzle
- Welding neck flange of various types with weldon nozzle
- DIN 11864 connection (clamp, threaded connection or flange) with weldon nozzle
- Block flange following the DIN 11864
- Block flange of the BioConnect® - Series

3-A Sanitary Standard certified Products

- 3-A designed
- Clipon or weldon
- Low wear PEEK body
- Slide bearing
- Easy to maintain
- Drainable
- Designed for the food industie

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TANKO® SF

The new surge cleaner TANKO® SF is based upon the TANKO® S40 and grants reliable CIP cleaning results thanks to enhanced cleaning power. With his outstanding slide bearing a remarkable reduction of wear has been achieved. The TANKO® SF has been designed in accordance with the American 3-A criteria, which demand extraordinary hygenic design principles. Its special shape provides wide, easily accessible radii to achive maximum hygienic conditions. The simple construction enables maintenance of the TANKO® SF and makes it one of the most economical cleaning devices of all.

TANKO® SF

- Material: 316L (1.4435), EPDM, rotating body: PEEK
- Connections: clipon, orbital weldon acc. DIN 11866

TANKO® RTF

Dynamic Retractor CIP systems clean even the remotest corners.

Where to attach the spray head? This question arises with nearly every CIP installation. In most cases, spray shadows caused by baffles, such as agitators, manholes, inspection glasses and a host of other muffs complicate the setup of an efficient CIP cleaning. The solution for this is a retractable cleaning systems.

TANKO® RTF

- Stroke lenght 100, 150, 250 and 500 mm

TANKO® JX Series

The combination of the technically feasible options and their interaction in connection with state-of-the-art manufacturing technology describe the AWH TANKO® JX.

Basic properties such as

- External drive with magnetic coupling
- Maintenance friendly design
- Variable number of nozzles and their layout
- Adjusted installation depth into the vessel

point out possible solutions for most varied applications requirements.

The TANKO® JX serie unites high cleaning power with a particularly economical handling of cleansing agent. Owing to the external electric motor, the rotation does not require cleansing agent. Hence the rotation and its speed can easily be adapted to the cleaning process. The geometry of the nozzles defines the throughput of cleansing agent, the range of the system and thus the possible cleaning power. With these systems highest cleaning power on the surface to be cleaned can be achieved.

Some important features at a glance

- Optimized flow rate
- Magnetic coupling of the drive for the separation against the cleaning area
- ATEX qualification approval according to Directive 94/9/EC
- Operating pressure: cleansing medium 2 - 20 bar
- Volume flow rate: 0,2 - 10 m³/h
- Volume flow rate: 3 - 120 l/min
- Recommended diameter for cleaning from 1 m to 10 m, max. 17 m

TANKO® JX80

TANKO® JX70

TANKO® JX70 *TANKO® JX75* *TANKO® JX80*

TANKO® JM Series

The TANKO® JM Series belongs to the new generation of 360° Jet cleaners. It completes the product range for applications that require high impact performance as well as a higher cleaning agent volume for rinsing.

- Powerful cleaning
- Long distance cleaning
- Best manufacturing quality
- Easy to maintain
- Cost effective CIP
- Several capabilities
- Drainable

TANKO® JM100

TANKO® JM100

- Operating pressure: cleansing medium 3,0 - 20 bar
- Volume flow rate: 1,9 - 6,5 m³/h
- Volume flow rate: 32 - 108 l/min
- Recommended max. diameter for cleaning: typical up to 4 m, max. 8 m

TANKO® JM500

TANKO® JM500

- Operating pressure: cleansing medium 3,5 - 13 bar
- Volume flow rate: 8,1 - 29,4 m³/h
- Volume flow rate: 135 - 490 l/min
- Recommended max. diameter for cleaning: typical up to 5 m, max. 10 m

TANKO® JM800

- Operating pressure: cleansing medium 5 - 13 bar
- Volume flow rate: 14,3 - 27,6 m³/h
- Volume flow rate: 238 - 460 l/min
- Recommended max. diameter for cleaning: typical up to 7 m, max. 14 m

TANKO® JM800

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