



Ocean



Turntable systems



Pure Technology.

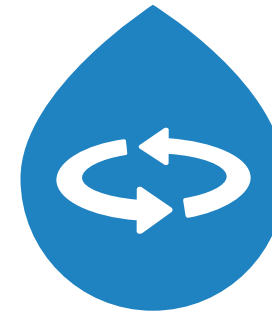
Customised cleanliness

Efficient cleaning despite increasing requirements for the technical cleanliness of products? Our solutions help you as a user to master this challenge. Each system is individually designed, because different customers can have very different requirements.

Our consulting and engineering staff can rely on their experience from numerous completed projects. Cleaning trials with original components at our Technical Centre give you as the user the reassurance of a safe investment for your facility while also determining the exact parameters for cleaning chemicals, time and temperature.

BvL systems deliver reliable cleaning for your components and can be integrated seamlessly into your production line. They are easy to operate and comply with the strict guidelines of the automotive industry. They are also designed in compliance with the Machinery Directive 2006/42/EC, C standard EN 12921 and the German Accident Prevention Regulations (UVV).

- Sturdy design & long service life
- Guaranteed cleaning success
- Intuitive operation
- Easy access for easy maintenance
- Quality components from renowned suppliers
- Quality "Made in Germany"
- Specialist firm in line with the German Water Management Act (WHG), certified management systems



Ocean
RC/AF | HT | DT | RW/RD



for compact and medium sized workpieces

for new and repair parts

great cleaning power

solid and space saving design



Variants

Version **AF** for larger tank volumes or multi-bath systems.



Brief description

Ocean RC is a universal spray cleaning system with an easy to open top cover. All processing steps are carried out in a chamber. Rotating the parts carrier around the U-shaped nozzle system ensures all-round thorough cleaning.

Basic system

Cleaning system:	spray cleaning with flat spray nozzles
Operating principle:	rotating parts carrier with static nozzle system
Number of tanks:	single-tank or multi-tank systems
Loading:	loading from the top, manually or by crane, galvanised loading basket
Housing:	stainless steel
Tank insulation:	stainless steel
Control and operation:	Siemens Simatic with Siemens touch panel
Bath monitoring:	Libelle Fluid Control

Standard sizes	Unit	RC500	RC750	RC1.000	RC1.200	AF750	AF1.000	AF1.200
Basket diameter	mm	500	750	1,000	1,200	750	1,000	1,200
Effective height	mm	450	450	450	450	450	450	450
Load capacity	kg	500	500	500	500	500	500	500
1-tank system: Tank volume	l	70	130	230	320	220	350	560
2-tank system: Volume tank 1	l					120	200	280
Volume tank 2	l					120	200	280
other technical data and on-site services on request								

Small and strong.



Cleaning technology

- the rotary basket revolves around the vertical axis
- U-shaped spray nozzle frame
- nozzles and nozzle frames can be adapted to the component
- adaptation of useful dimensions, loads and pump capacities possible



Processing steps

The processing steps are carried out in a chamber:

- spray washing
- spray rinsing (for multi-tank system)
- drying with air blast or hot air (optional)



Options and supplements

- drying systems
- pneumatically supported opening/closing of the cover
- increased pump capacity
- bath maintenance measures (e.g. filtration systems, oil separator)
- process reliability: Libelle Cleaner Control, Libelle Oil Control, Libelle Data Control
- cascade guiding
- floor drip tray
- other system components



Smart Cleaning

Intelligent cleaning with **BvL** apps and digital networking! Transparent process information for predictive system diagnostics and maintenance: efficient and automatic.



for cleaning larger components
for light to medium soiling
cost-efficient and space saving



Detail

Parts basket with adapter system and nozzles for targeted interior cleaning of components



Brief description

Ocean HT is a universal one-tank spray cleaning system with a lifting gate. The nozzle frame is height adjustable. Rotating the nozzle frame around the component ensures thorough cleaning.

Basic system

Cleaning system:	spray cleaning with flat spray nozzles
Operating principle:	rotation of the nozzle frame
Number of tanks:	1
Loading:	front loading, loading basket
Housing:	stainless steel
Tank insulation:	stainless steel
Control and operation:	Siemens Simatic with Siemens touch panel
Bath monitoring:	Libelle Fluid Control

Standard sizes	Unit	1,000	1,500	2,000
Basket diameter	mm	1,000	1,500	2,000
Effective height	mm	750	1,000	1,250
Load capacity	kg	500	500	750
Volume 1-tank system	l	400	600	800
other technical data and on-site services on request				

Practical and versatile.



Cleaning technology

- the height adjustable spray nozzle frame revolves around the vertical axis.
- nozzles and nozzle frames can be adapted to the component
- the parts basket can be adapted to the nozzle frame for targeted component cleaning
- adaptation of useful dimensions, loads and pump capacities possible



Processing steps

- The processing step is carried out in a chamber:
- spray washing



Options and supplements

- handling systems: loading carriage, stationary front table, cross movement table
- increased pump capacity
- bath maintenance measures (e.g. filtration systems, oil separator)
- process reliability: Libelle Cleaner Control, Libelle Oil Control, Libelle Data Control, remote diagnosis
- floor drip tray
- other system components



Smart Cleaning

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Transparent process information for predictive system diagnostics and maintenance: efficient and automatic.



for light to medium soiling

small footprint thanks to revolving door

good access for loading

crane loading also possible



Detail
closed revolving door



Brief description

Ocean DT is a universal one-tank spray cleaning system with a manual revolving door. The nozzle frame is height adjustable. Rotating the nozzle frame around the component ensures thorough cleaning. The design of the revolving door also allows crane loading from above.

Basic system

Cleaning system:	spray cleaning with flat spray nozzles
Operating principle:	rotation of the nozzle frame
Number of tanks:	1
Loading:	loading from the front/top, manually or by crane, galvanised loading basket
Housing:	stainless steel
Tank insulation:	stainless steel
Control and operation:	Siemens Simatic with Siemens touch panel
Bath monitoring:	Libelle Fluid Control

Standard sizes	Unit	1,000
Basket diameter	mm	1,000
Effective height	mm	750
Load capacity	kg	300
Volume 1-tank system	l	300
other technical data and on-site services on request		

Clever and space saving.



Cleaning technology

- the height adjustable spray nozzle frame revolves around the vertical axis
- nozzles and nozzle frames can be adapted to the component
- adaptation of useful dimensions, loads and pump capacities possible



Processing steps

The processing steps are carried out in a chamber:

- spray washing
- air blast drying (optional)



Options and supplements

- drying systems
- handling systems: loading carriage
- increased pump capacity
- bath maintenance measures (e.g. filtration systems, oil separator)
- process reliability: Libelle Cleaner Control, Libelle Oil Control, Libelle Data Control, remote diagnosis
- floor drip tray
- other system components



Smart Cleaning

Intelligent cleaning with **BvL** apps and digital networking!
Transparent process information for predictive system diagnostics and maintenance: efficient and automatic.



high cleaning performance even
for persistent contaminations

for applications with increased
loads

for applications with
high contamination



Variants

- loading from both sides or synchronised flow possible
- **Ocean RW** with scissor lift table and driven chain conveyor



Variant

- **Ocean RW** with pedestal and automatic carry in



Brief description

Ocean RW/RD is a universal spray cleaning system with an automatic lifting gate. All processing steps are carried out in a chamber. Rotating the parts carrier around the special U-shaped nozzle system ensures all-round thorough cleaning.

Basic system

Cleaning system: spray cleaning with flat spray nozzles
 Operating principle: rotating parts carrier with static nozzle system
 Number of tanks: single-tank or multi-tank systems
 Loading: front loading using the stationary front table: removable loading carriage with grate
 Housing and tank insulation: stainless steel
 Control and operation: Siemens Simatic with Siemens touch panel
 Bath monitoring: Libelle Fluid Control

Standard sizes	Unit	950	1,250	1,600	1,950	2,300	2,800
Basket diagonal	mm	950	1,250	1,600	1,950	2,300	2,800
Effective length	mm	770	1,000	1,275	1,545	1,750	2,200
Effective width	mm	770	1,000	1,275	1,545	1,750	2,200
Effective height	mm	750	750	1,000	1,000	1,250	1,500
Load capacity	kg	500	500	750	750	1,000	1,500
1-tank system: Tank volume	l	660	950	1,200	1,650	2,500	4,000
2-tank system: Volume tank 1	l	330	475	600	825	1,250	2,000
Volume tank 2	l	330	475	600	825	1,250	2,000

other technical data and on-site services on request



Variant

Ocean RW with increased usable height and hydraulic carry in



Variant

OceanRW with roller conveyor, pneumatic carry in and adapted nozzle frame



Variant

OceanRW with hydraulic carry in, special nozzle frame, hand lances and viewing window

Big and strong.



Cleaning technology

- the turntable revolves around the vertical axis
- all-round component cleaning through special U-shaped nozzle system
- a separate nozzle frame for each tank reduces mixing
- nozzles and nozzle frames can be adapted to the component
- adaptation of useful dimensions, loads and pump capacities



Processing steps

The processing steps are carried out in a chamber:

- spray washing
- spray rinsing (for multi-tank system)
- rinsing with demineralised water (optional)
- circulating air drying (optional)



Options and supplements

- drying systems
- handling systems: loading carriage, cross movement table, bridge loader and automation
- bath maintenance measures (e.g. filtration systems, oil separator)
- process reliability: Libelle Cleaner Control, Libelle Oil Control, Libelle Data Control, remote diagnosis
- cascade guiding
- floor drip tray
- other system components



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Transparent process information for predictive system diagnostics and maintenance: efficient and automatic.



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Pure technology.