



Ocean



Turntable systems



Pure Technology.

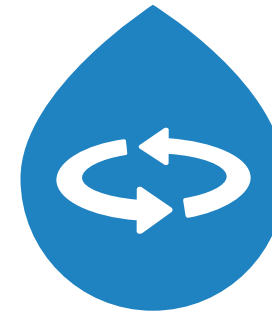
Customised cleanliness

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

Our technical support and engineering staff can fall back on their experience from numerous implemented projects. Cleaning trials with the original components at our Technical Centre give users the reassurance of a safe investment for their plant while also determining the exact parameters for cleaning agents, time and temperature.

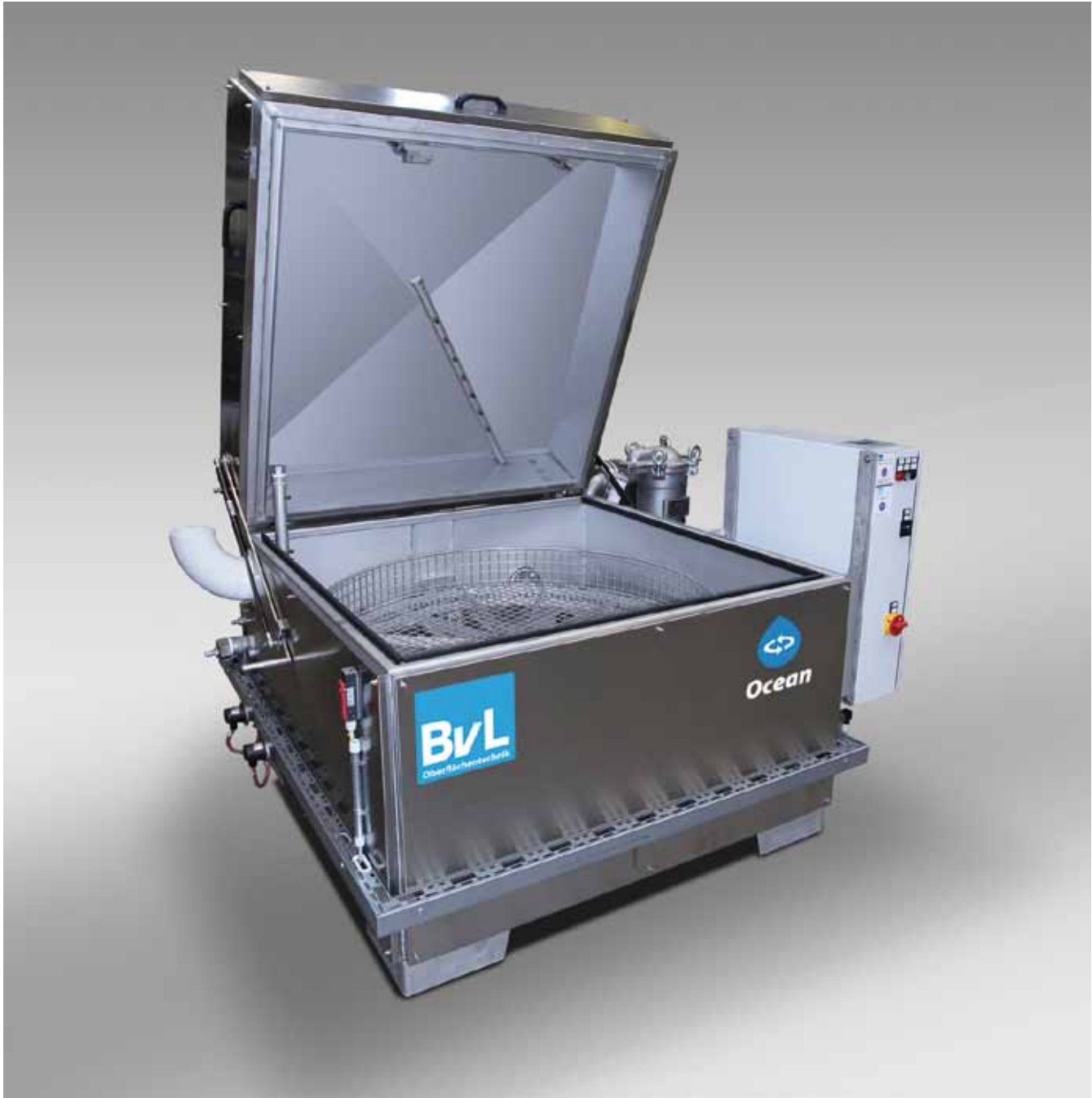
BvL systems provide reliable cleaning for your workpieces and can be integrated seamlessly into the production line. They are easy to operate and comply with the strict guidelines of the automotive industry. In addition, they are designed in line with the Machine Directive 2006/42/EC, C standard EN 12921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

- solid design and long service life
- simple operation
- easy access for easy maintenance
- quality components, e.g. from Siemens, Festo, KSB
- quality "Made in Germany"



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



Versions

Version **AF** for larger tank volumes or two bath technology. Here with special cleaning through targeted inside rinsing of the component.



Brief description

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

Basic system

Cleaning system:	spray cleaning with flat spray nozzles
Rotation:	rotating parts carrier with static nozzle system
Number of tanks:	1–2
Loading:	loading from the top, manually or by crane, removable, 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
Usable height	mm	450	450	450	450	450	450	450
Loading capacity	kg	500	500	500	500	500	500	500
1 tank system: volume	l	70	130	230	320	220	350	560
2 tank system: volume	l					120	200	280
	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 workpiece
- usable height can be adapted



Processing steps

The processing steps are carried out in a chamber:

- spray washing
- spray rinsing (for two tank system)
- drying with blow-off or hot air (optional)



Options and supplements

- drying systems
- handling systems: movable version
- increased cleaning performance: increased spray pressure
- bath maintenance options
- process reliability: Libelle
- cascade guiding
- floor drip tray
- other system components



Measuring bath contamination

New standard feature! On the occasion of our 25th anniversary, **BvL** are equipping all systems with the bath contamination monitoring system **Libelle Fluid Control** as a standard.



for cleaning larger components

for light to medium soiling

cost effective and space saving



Detail

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



Brief description

OceanHT 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
Rotation:	rotation of the nozzle frame
Number of tanks:	1
Loading:	front loading, 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	1,500	2,000
Basket diameter	mm	1,000	1,500	2,000
Usable height	mm	750	1,000	1,250
Loading capacity	kg	500	500	750
1 tank system: volume	l	400	600	800
other technical data and on-site services on request				

Practical and versatile.



Cleaning technology

- the rotary basket revolves around the vertical axis
- nozzles and nozzle frames can be adapted to the workpiece
- the parts basket can be adapted to the nozzle frame for targeted component cleaning from underneath
- usable height can be adapted



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 cleaning performance
- bath maintenance options
- process reliability: Libelle, remote diagnosis
- floor drip tray
- other system components



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for light to medium soiling

space-saving thanks to revolving door

good access for loading

crane loading also possible



Detail
closed revolving door



Brief description

OceanDT 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 workpiece 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
Rotation:	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
Usable height	mm	750
Loading capacity	kg	300
1 tank system: volume		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 workpiece
- usable height can be adapted



Processing steps

The processing steps are carried out in a chamber:

- spray washing
- air blast drying



Options and supplements

- drying systems
- handling systems: loading carriage
- increased cleaning performance
- bath maintenance options
- process reliability: Libelle, remote diagnosis
- floor drip tray
- other system components



Measuring bath contamination

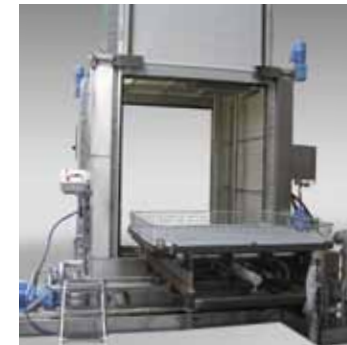
New standard feature! On the occasion of our 25th anniversary, **BvL** are equipping all systems with the bath contamination monitoring system **Libelle Fluid Control** as a standard.



high cleaning performance even
for persistent contaminations

for applications with increased
loads

for applications with high
contamination



Versions

- loading from both sides or cycled flow possible
- version **RD** for particularly heavy parts, nozzle frame revolves around the workpiece holder



Version

- **OceanRW** with pedestal and automatic drive-in device



Brief description

OceanRW/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
 Rotation: rotating parts carrier with static nozzle system
 Number of tanks: 1–3
 Loading: front loading using the stationary front table: removable loading carriage with galvanised grate
 Housing and tank insulation: stainless steel
 Control and operation: Siemens Simatic with operating 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
Usable length	mm	770	1,000	1,275	1,545	1,750	2,200
Usable width		770	1,000	1,275	1,545	1,750	2,200
Usable height	mm	750	750	1,000	1,000	1,250	1,500
Loading capacity	kg	500	500	750	750	1,000	1,500
1 tank system: volume	l	660	950	1,200	1,650	2,500	4,000
2 tank system:	l	330	475	600	825	1,250	2,000
	l	330	475	600	825	1,250	2,000

other technical data and on-site services on request



Version

OceanRW with increased usable height and hydraulic drive-in device



Version: OceanRW with roller conveyor, pneumatic drive-in device and adapted nozzle frame



Version: OceanRW with drive-in device, special nozzle frame, manual lances and viewing window; as version for central tank system

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 workpiece
- max. permitted load and permitted dimensions can be adapted
- usable height can be adapted



Processing steps

The processing steps are carried out in a chamber:

- spray washing
- spray rinsing (for two tank version)
- rinsing with demineralised water (optional)
- circulating air drying (optional)



Options and supplements

- drying systems
- handling systems: parts feeding carriage, cross movement table, bridge loader and automation
- bath maintenance options
- process reliability: Libelle, remote diagnosis
- cascade guiding
- floor drip tray
- other system components



Measuring bath contamination

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