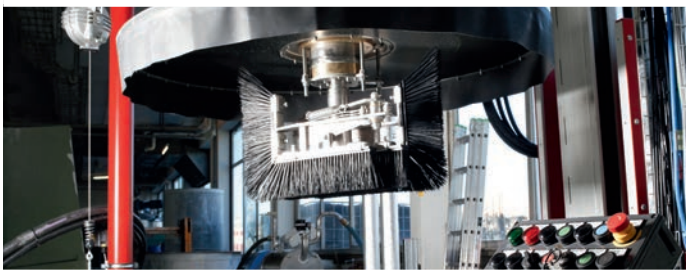


THE SPECIALIST FOR
**CLEANING AND
DISTILLATION SYSTEMS**



SERIES CS-3



WORKING AREA

Diameter min. / max. = 600 mm / 1500 mm

Total height max. = 1600 mm

Mixing container cleaning system with centrifugal brushes

The CS-3 mixing container cleaning system cleans your mixing and preparation containers internally using a speed-controlled centrifugal brush in combination with a suitable detergent.

Mechanical cleaning using brushes is one of the most effective and efficient cleaning methods, ensuring residue-free results when paired with an effective detergent.

- Completely separate piping systems for washing and rinsing ensure minimal rinsing agent consumption
- Effective, speed-controlled centrifugal brush
- Effective, pneumatically driven bottom outlet brush
- Removable bottom plate for faster discharge of residues and residual liquid
- Ergonomic outlet cleaning with integrated brush drive and return hose
- Various programme options to optimise the cleaning process
- Adjustable parameters for all operational interventions in the programme

Mixing container and IBC container cleaning system with spray head

The CS-4 mixing container and container cleaning system cleans your mixing containers and containers internally using an axially and radially driven tecjet spray head in combination with a suitable detergent. This technology ensures residue-free results when paired with an effective detergent.

- Axially and radially driven tecjet spray head, approved for ATEX Zone 0
- High impact energy thanks to coordinated pump performance
- No energy loss due to a self-driven spray head
- Completely separate piping systems for washing and rinsing ensure minimal rinsing agent consumption
- Precise, parameterisable targeting of problem areas, particularly under the IBC roof (problem area cleaning)
- Ergonomic outlet cleaning with integrated brush drive and return hose
- Various programme options to optimise the cleaning process
- Adjustable parameters for all operational interventions in the programme

SERIES CS-4



WORKING AREA

Length/Width max. = 1200 mm / 1000 mm

Internal height max. = 1450 mm

Total height max. = 1650 mm

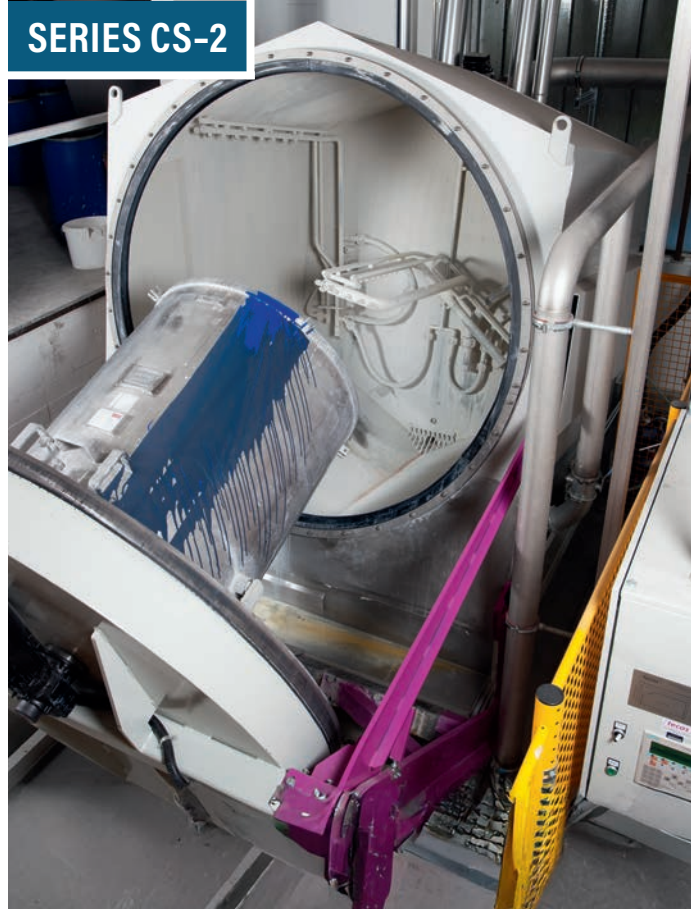
SERIES CS-2

Mixing container cleaning system with rotating brushes

The CS-2 mixing container cleaning system cleans your mixing and preparation containers both internally and externally using speed-controlled rotating brushes in combination with a suitable detergent.

Mechanical cleaning using brushes is one of the most effective and efficient cleaning methods, ensuring residue-free results when paired with an effective detergent.

- Washing of mixing containers with and without bottom outlets
- Simultaneous internal and external cleaning
- Highly effective, continuously adjustable segment brush for internal cleaning
- Graduated special segment brush for external cleaning
- Various programme options to optimise the cleaning result
- Adjustable parameters for all operational interventions in the programme
- Semi-automatic outlet and valve cleaning (optional)

SERIES CS-2

Mixing tank cleaning system with pressure jet technology

The CS-2 mixing tank cleaning system cleans the interior and exterior of mixing and preparation tanks using pressure jet technology and a suitable detergent.

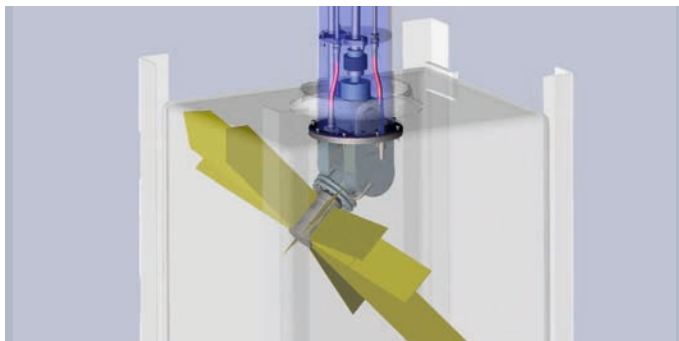
- Washing of mixing tanks with and without bottom outlet
- Simultaneous internal and external cleaning
- Automatically adjustable, consistent distance between nozzles and tank wall
- Maximum personal safety through complete enclosure of the hazard area
- Various programme options to optimise the cleaning result
- Adjustable parameters for all operational interventions in the programme
- Semi-automatic outlet and valve cleaning (optional)

WORKING AREA

Tank inner diameter min. / max. = 580 mm / 1600 mm

Total height max. = 1600 mm

SERIES CS-5



Mixing tank and container cleaning system with 3D centrifugal brushes

The CS-5 cleaning system cleans the interior of mixing tanks and manhole containers using speed-controlled centrifugal brushes with a suitable detergent.

Mechanical cleaning with brushes is among the most effective and efficient cleaning methods; combined with an effective detergent, it delivers residue-free results.

- Completely separate piping systems for washing and rinsing ensure minimal rinsing agent consumption
- Integrated garage with sliding closure prevents dripping into the tank
- Low emissions due to the centrifugal brush parked in the garage
- Position-monitored swivelling motion, individually adjustable depending on the tank
- Precise, parameterisable targeting of problem areas, particularly under the tank roof (problem area cleaning)
- Ergonomic outlet cleaning with integrated brush drive and return hose
- Adjustable parameters for all operational adjustments in the programme
- Customised, customer-focused expansion stages

WORKING AREA

Container length / width / height max. = 1200 mm / 1000 mm / 1670 mm

Manhole diameter max. = 457 mm

SHARED FEATURES / OPTIONS

Our cleaning systems are modularly designed. Even the basic version enables automatic cleaning operation. Expansion stages and additional functions transform our cleaning systems into a tailored overall solution precisely adapted to your individual requirements..

- Completely separate piping systems for washing and rinsing ensure minimal rinsing agent consumption
- Customised and customer-focused expansion stages
- User-oriented and clear technical documentation
- Bottom outlet cleaning unit
- TLA drying air preparation
- Fully automatic PAS mixing control system
- Wash tank system
- BY-PASS heating system
- Automatic centring and clamping device
- Exhaust air fan
- Exhaust air condensation system
- Aerosol separator

Equipment for professional solvent recycling



ASC-100 / 12 kW



ASC-150 / 24 kW



ASC-500 / 37 or 50 kW



ASC-1500 / 48 or 100 kW

The ASC series solvent distillation systems by OFRU Recycling are modular, high-performance systems designed for efficient solvent recovery.

The ASC-100 to ASC-1500 models offer customised solutions for different volume requirements.

ADVANTAGES OF THE ASC SERIES

1. Maximum energy efficiency:

The modern steam heating system of the ASC series enables rapid and efficient heating, reducing operating costs.

2. Continuous 24-hour operation:

Thanks to automatic level control and refilling, the systems can operate continuously and without interruption.

3. Optimal heat transfer:

The innovative scraper system cleans the boiler walls during operation, maximising heat transfer efficiency.

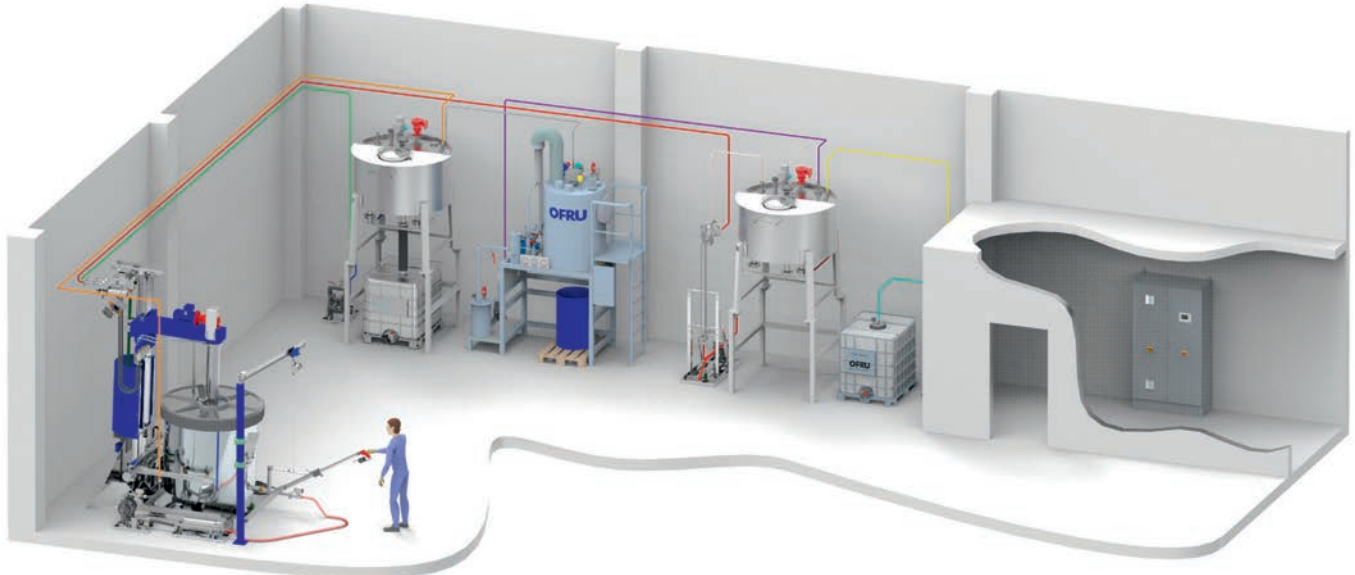
4. Stainless steel construction for long service life:

All parts in contact with the product are made of high-quality stainless steel, ensuring durability and corrosion resistance.

5. Easy and safe discharge:

The conical distillation boiler allows effortless residue discharge through gravity-assisted discharge and the scraper system.

Efficient container cleaning and solvent recovery in one continuous system



The OFRU Recycling concept offers an intelligent combination of container cleaning and solvent recovery, **specifically developed for the dye and paint industry**. It optimises the cleaning process while conserving resources.

SYSTEM STRUCTURE

- **LEFT:** The CS-3 container cleaning system, responsible for thoroughly cleaning containers.
- **TOP LEFT:** A wash tank containing contaminated solvent used for pre-cleaning.
- **CENTRE:** The ASC-500 distillation system ensures that used solvent is efficiently processed.
- **RIGHT:** A rinse tank that provides distilled, clean solvent for reuse in final rinsing.

ADVANTAGES AT A GLANCE

- Resource conservation through solvent recovery
- Optimised processes through seamless integration of cleaning and recovery
- Higher cleaning quality thanks to distilled solvent

This compact and well-thought-out concept allows for cost reduction and environmental protection without compromising performance.

