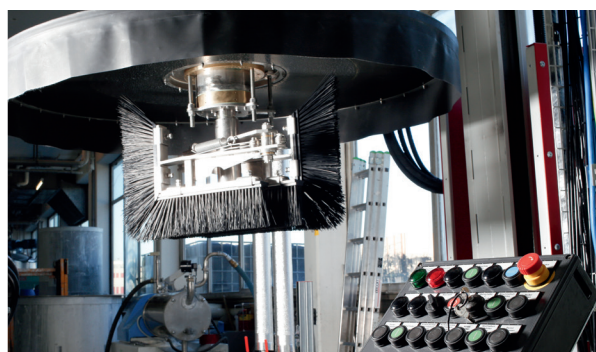


Mixing and preparation vessels **INTERNAL CLEANING SYSTEM**



The BENEFITS at a glance

- **The best cleaning results even with stubborn contamination** thanks to speed-controlled centrifugal brush
- **Minimal consumption of detergent** thanks to completely separate piping systems for WASHING and RINSING
- **Problem areas can be targeted with millimetre accuracy** thanks to controlled spindle drive
- **Clean, residue-free cleaning of the bottom drain incl. valve** thanks to ergonomic 'swan neck' cleaning system with driven telescopic brush
- **Pumps and nozzles are protected** thanks to quick-change filtration system in the return line
- **Caking and problem-free operation** thanks to unique bypass heating designed exclusively by **FRU**
- **Can be operated with all commercially available washing and rinsing media**
- **ATEX explosion protection to Category 1** (*certified body for Zone 0 inside, Category 2 for Zone 1 or 2 outside*)
- **The cleaning system is complemented** by tank systems and accessories that are optimally tailored to the system

Technical data

ROUND MIXING AND PRODUCTION VESSELS	CS-3xx1	CS-3xx2	CS-3xx5
DIAMETER min. / max.	Ø 600 mm / Ø 1350 mm	Ø 750 mm / Ø 1600 mm	Ø 1200 mm / Ø 2000 mm
INTERNAL HEIGHT min. / max.	700 mm / 1450 mm	700 mm / 1450 mm	700 mm / 1700 mm
TOTAL HEIGHT min. / max.	850 mm / 1600 mm	850 mm / 1600 mm	850 mm / 1800 mm
DIMENSIONS L / W / H	3000 mm / 2700 mm / 4100 mm	3000 mm / 2700 mm / 4100 mm	3500 mm / 3000 mm / 4600 mm
DELIVERY DIMENSIONS L / W / H	4100 mm / 2200 mm / 2500 mm	4100 mm / 2200 mm / 2500 mm	4600 mm / 2200 mm / 2700 mm
EXHAUST AIR VOLUME FLOW	> 500 m³/h	> 500 m³/h	> 500 m³/h
PUMP SYSTEMS	Double diaphragm pump	Double diaphragm pump	Double diaphragm pump

CLEANING AGENTS

- Flammable solvents
- High boiling solvents: PH-neutral, PH >12, PH <4
- High alkaline water-based cleaning agents
- High acidic water-based cleaning agents

ACCESSORIES AND EXPANSION MODULES

- 'Swan neck' bottom drain cleaning unit with 1 or 2 inch return connections (*ideal for cascade cleaning*)
- Automatic vessel tilting (*safe drainage of the residual liquid*)
- Automatic centring and clamping device
- Exhaust air fan (*depending on the media, protection classes and individual requirements*)
- Process-controlled exhaust air flap 4–20 mA, incl. fresh air intake
- Fully automated load measurement and LEL control system for flammable solvents, incl. exhaust air flaps 4–20 mA
- Integrated drying system (*connected to the swan neck*) incl. fan dryer, heat exchanger, temperature control, etc.
- Pneumatically actuated centrifugal brush (*Special design for decontaminating sealants and adhesives*)
- Tank systems: Capacity 1500 L, 2000 L, 3000 L (*others available on request*)
- Tank underframe for draining sediment
- Exclusive **OFRU** scraper discharge screw
- Exclusive **OFRU** electric heating systems in the bypass, 15 KW, 20 KW, with DMP and temperature control
- Can be optimally connected to the **OFRU** distillation plant (*interface-free*) in terms of processes and control



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✓ FLOOR COVERINGS / SEEPAGE

✓ SEALANTS & ADHESIVES