

Chamberwasher for Big Parts The Allrounder

Ecoclean 179W KVI



ECOCLEAN

technology that inspires

Ecoclean 179W KVI

The process

The technology embodied in Ecoclean 179W KVI systems reflects our extensive experience with cleaning equipment combining injection flood washing, spray cleaning and vacuum drying in a single chamber. With over 100 systems sold, we have amply demonstrated with the performance of this technology and the Ecoclean pilot is also optimized through many trials: With a combination of spray and injection flood cleaning, both the outer sides and the most difficult holes and cavities inside the work pieces are thoroughly cleaned.

The subsequent high-speed air blowing cycle dries off most of the adhering cleaning medium. Vacuum drying removes any residual moisture from cavities and recesses in the workpiece.



FIELDS OF APPLICATION

- Complex-shaped workpieces on product carriers
- Engine parts such as cylinder heads and crankcases
- Large, bulky parts

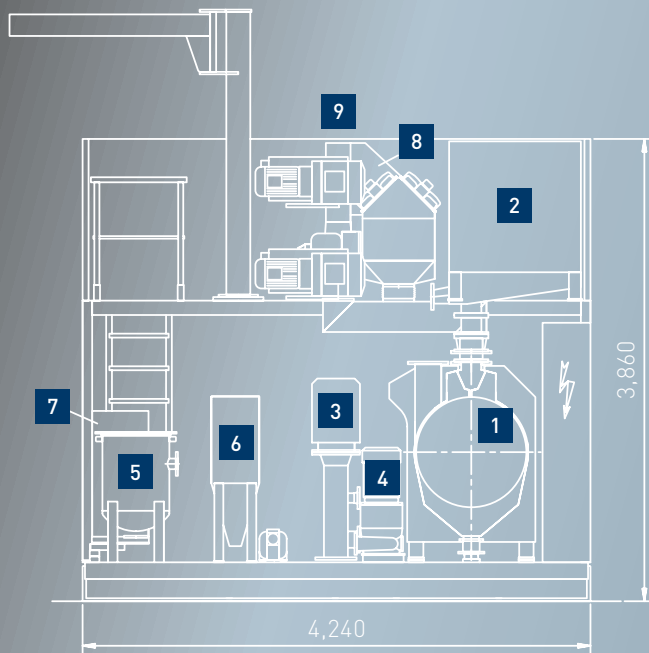
Technology and Methods

Cleaning

- **Flow washing:** The workpiece is flushed with a flow of the cleaning medium
- **Spray cleaning:** A spray jet of 15 bar pressure is directed directly at the workpiece
- **Injection flood washing:** The working chamber is flooded with cleaning medium. Turbulent flows are generated by a high-pressure pump via special nozzle systems. The resulting flow movements ensure that the product is thoroughly cleaned both externally and in hidden recesses and cavities

Drying

- **Blow drying:** Application of blowing air to the parts, delivered by a fan. The dehumidified air already has a very good drying effect. On workpieces of simple geometry, this may be enough to achieve complete drying
- **Vacuum drying:** Ensures 100% drying, even with complex shaped workpieces



- | | |
|---------------------|-----------------------|
| 1 Treatment chamber | 6 Aquaclean system |
| 2 Tank | 7 Dosing unit |
| 3 IFW-pump 15 bar | 8 Side channel blower |
| 4 Return pump | 9 Vacuum pump |
| 5 Filter | |

Technical data

EQUIPMENT SPECIFICATIONS

Length	4,240 mm
Width	2,100 mm
Height	3,860 mm
Weight	9,000 kg*
Connected electrical load	140 kVA
Throughput	approx. 6 pcs./h

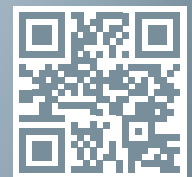
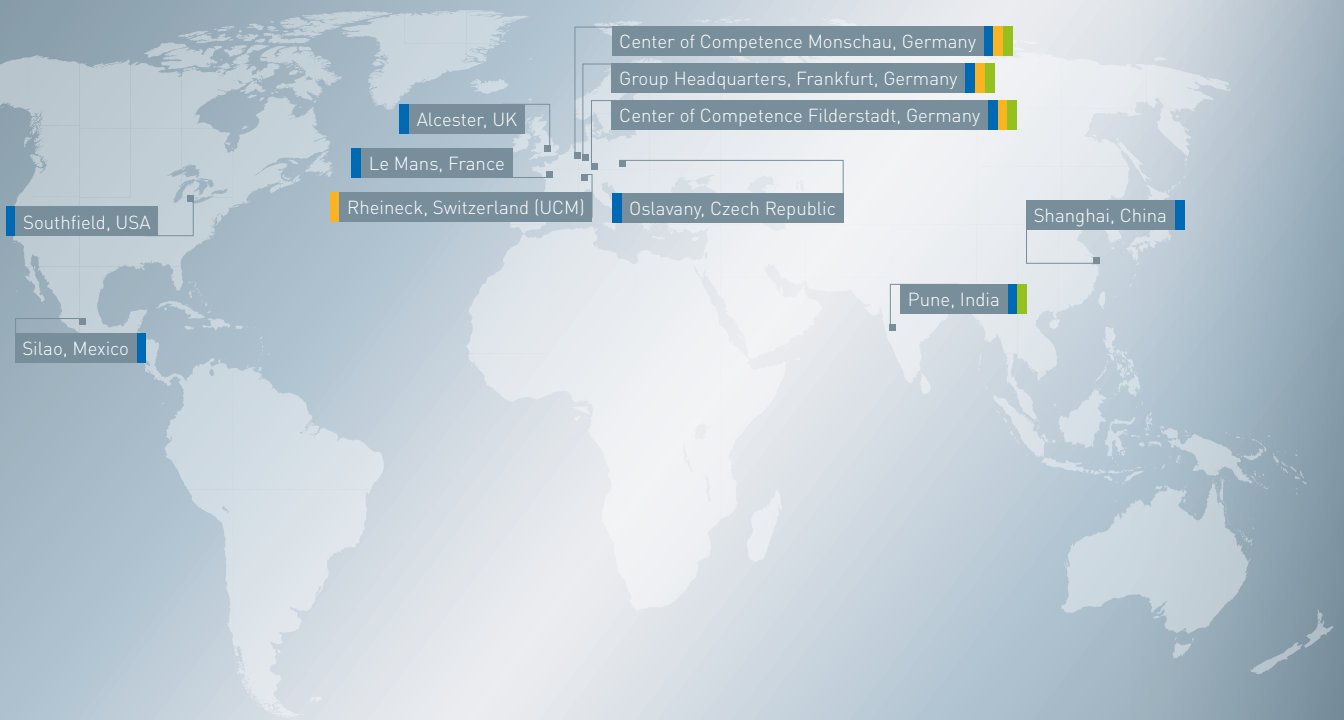
WORKPIECE SPECIFICATIONS**

Length	1,200 mm
Width	550 mm
Height	550 mm
Weight	500 kg

* without container filling

** depends on height over conveyor and width / height ratio

Our Locations Worldwide



SBS ECOCLEAN GROUP