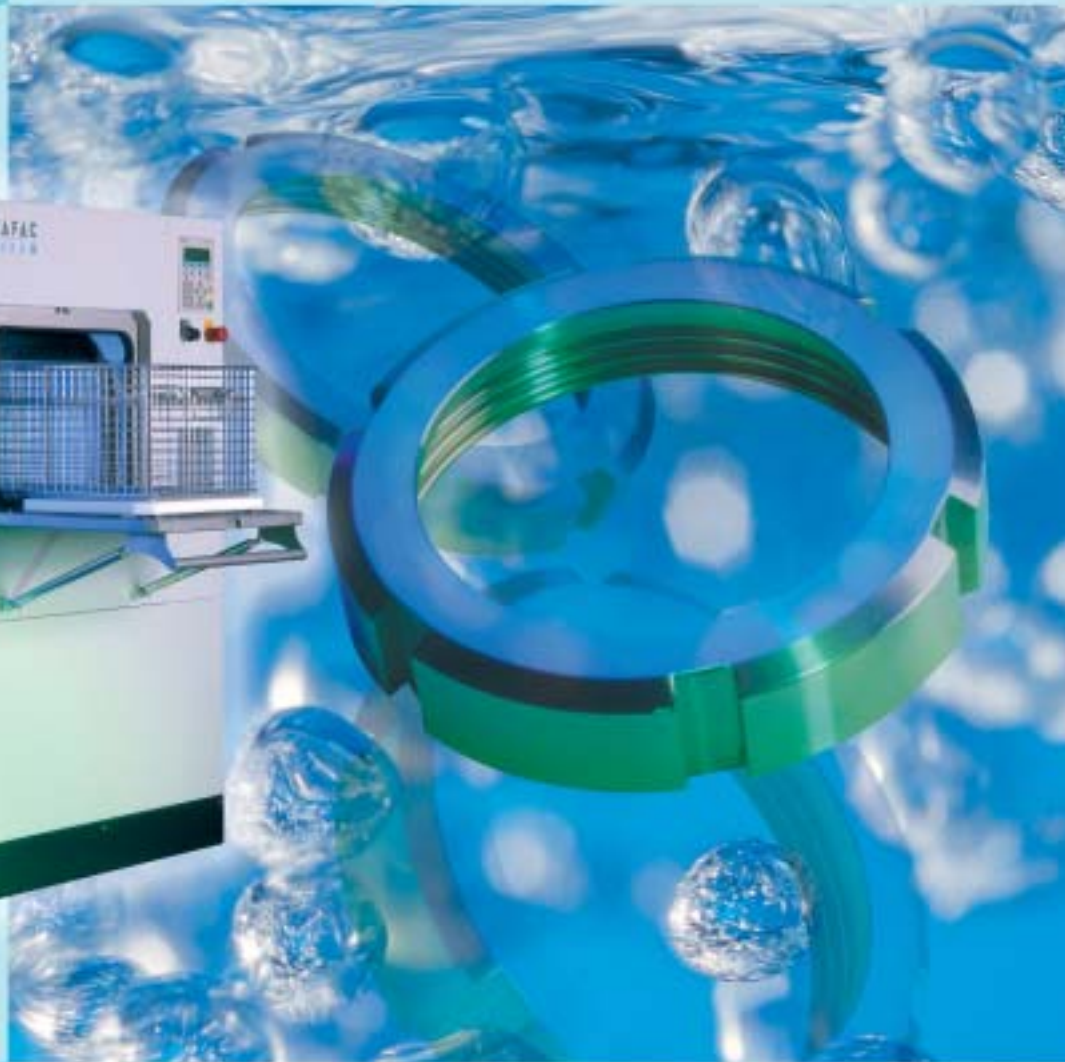


MAFAC **KEA**

Small. Compact.
Highly efficient
technology.



Water-based cleaning
systems for
industrial parts cleaning.

MAFAC
CREATIVE CLEANING



Small means powerful. The MAFAC KEA shows why.



The MAFAC KEA is the new innovation in industrial parts cleaning. With a minimum of space, this new, sophisticated compact cleaning system offers high-end, patented technology with various user-friendly benefits. Like all other MAFAC machines the MAFAC KEA operates on the water-based cleaning principle. The spraying system moves in counter-rotation to the rotating basket. According to the specific application the basket rotation can be switched off or changed to the rocking basket motion. Besides that, the spraying system is equipped with a flat beam of jets as well as a full beam of jets. This allows an impulsed and on-the-spot cleaning of workpieces as well as surface cleaning. An additional full beam of jets mounted on the rear of the treatment cell optimizes the cleaning process. A hot air pulsed blower system, through pipes removes excess solution and dries

the parts thoroughly, the blower can also be alternately timed.

The tank solution is constantly filtered with the KEA's new coalescing oil separation system. For further optimization of solution maintenance an extra filter for ultrafine filtration can be installed in addition to the standard built-in chip filter. This option makes sure that the smallest particles are removed off the cleaned parts. Despite its space saving dimensions, the KEA's solution tank holds an amazing volume of 385 liters. An especially user-friendly aspect of this small and compact machine is its noise level. With figures of only 64 to 71 dB (A) the KEA is exceptionally quiet. Therefore every operator will take pleasure in working with the MAFAC KEA.

Get your own impression of the KEA's various favourably features and you will be sure that the direction is right.



Underwater
backflow filter

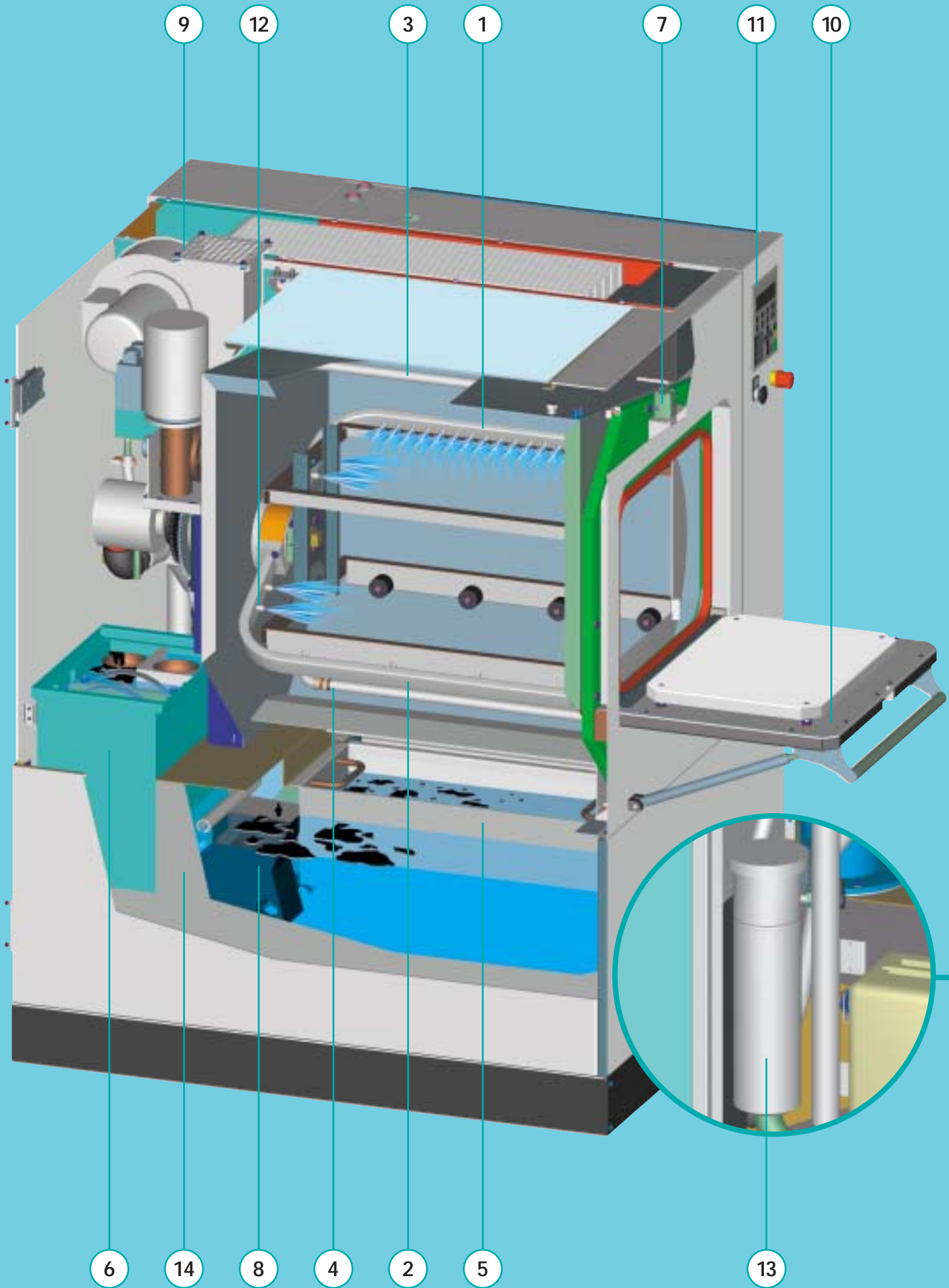


Treatment cell



Coalescing oil
separator

Stainless steel construction of all medium-conveying components.



MAFAC KEA.

The compact way of highly efficient technology



The MAFAC KEA's many highlights offer lots of user-friendly benefits for managing your cleaning tasks:

1+2: Double armed spray cleaning system with a full beam of jets facing a flat beam of jets, moving in counter-rotation of the rotating basket (patented technology).

3+4: The hot air pulsed jet drying system with a double pipe arrangement provides for improved drying results.

5: Removable underwater backflow filter for fielding of rough dirt particles.

6: Coalescing oil separator.

7: Automatic unlocking of folding door after finishing of cleaning process.

8: Surface weir unit integrated in tank.

9: Extraction ventilator with steam condensation system and mist extractor.

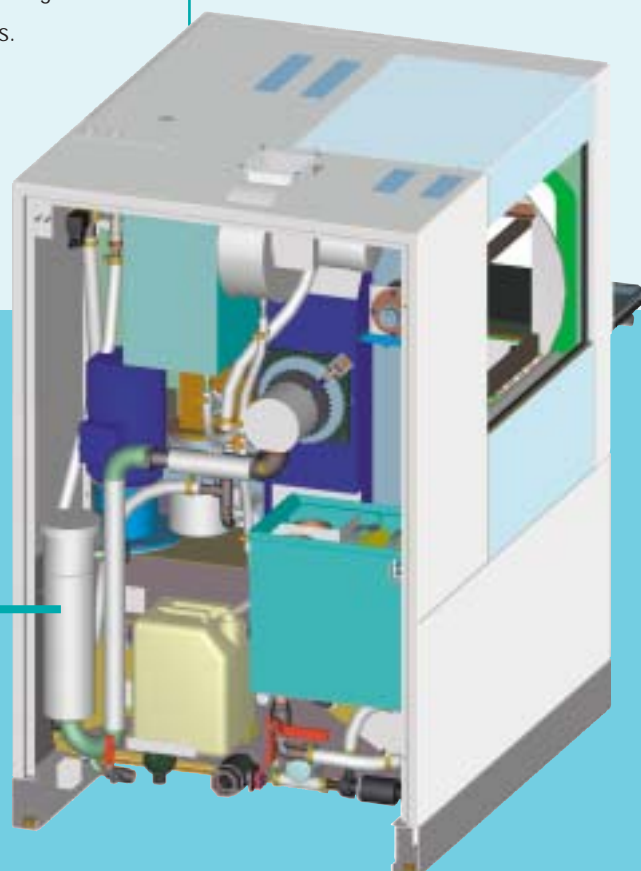
10: Folding door with collecting pan for residual water and functional loading & unloading area.

11: MAFAC MMC-control system. (Siemens S7).

12: Full beam of jets on the rear side of the cleaning unit.

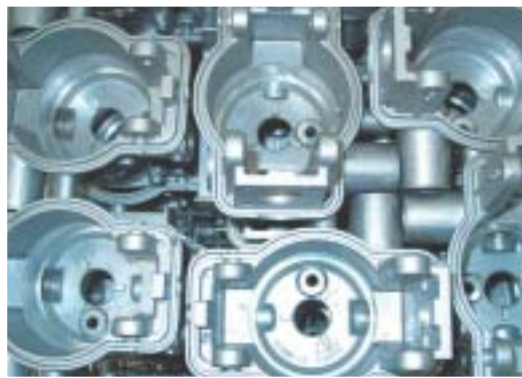
13: Mechanical ultrafine filtration in main current before parts cleaning.

14: Medium tank with large bath volume at 385 liters for extended bath life.





Individual workpieces



Batches



Bulk materials

MAFAC KEA:

The new dimension in water-based parts cleaning.



The high demands in industrial parts cleaning has many sides. On the one hand, parts have to be absolutely clean and dry, on the other hand, economic and environmental requirements have to be met. The MAFAC KEA helps you reach these goals. The MAFAC KEA guarantees the latest state of the art technology, perfectly adjusting highly efficient process engineering to process temperature and process time.

Especially for metal cutting businesses the MAFAC KEA is the most economic solution with its ideal prerequisites for decentral use. Regardless of whether bulk materials, batches or individual workpieces: with even the most complex shapes that can be placed in the EURO standard boxes it is more than capable for a thorough cleaning process. Particularly metals, non-metals, non-

ferrous metals and composite materials can be cleaned outstandingly and are thus well prepared for the following after treatment processes.

The environmentally friendly concept of the MAFAC KEA bases on the distinct separation of all materials. Moreover, the double-walled construction, even in the lower deck, provides for an improved heat storage which leads to consequent saving of energy.

The Black Forest experts in water-based parts cleaning are eager to demonstrate to you their solutions for your cleaning requirements. Environmentally friendly. Economically efficient. Creative. With the MAFAC KEA.

The MAFAC machinery series for water-based parts cleaning. From single tank to three tank systems for absolutely sophisticated parts cleaning.



MAFAC **JAVA**



MAFAC **ELBA**



MAFAC **MALTA**

Specifications of the MAFAC KEA.

Cleaning system:

Pump output/pressure	kW/bar	2,2/2,0
Flow rate	l/min	200
Fill capacity	liters	385
Filtration	µm	150
Fine filtration (option)	µm	10-100
Bath heater	kW/max°C	10/75
Heating-up time	hours	approx. 1,5
Load capacity	kg	100

Extraction/condensation of water vapor:

Mean exhaust air flow rate	m ³ /hours	600
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Drying systems:

Nozzle pulse blower system (special equipment)

Mean noise emission level	dB(A)	approx. 70
Pressure	bar	6
Flow rate	l/min	approx. 3000

High-pressure flow drying (special equipment)

Mean noise emission level	dB(A)	approx. 78
Pressure	bar	0,015
Flow rate	m ³ /hours	250
Air heater	kW	6

Connections:

Electrics	V,Ph/Hz/kVA	400, 3/50,18-40
Pneumatics	Inches/bar	Rp 3/4 5-8
Fresh water	Inches/bar	Rp 3/4 1-4
Exhaust	DN (mm)	120

Dimensions:

Useable space standard	A/E/G mm	600/400/288
maximum	B/T/H mm	950/1200/1500
Loading height	mm	860 - 960

Weight

kg net	480
kg gross	500

Colour:

light gray	RAL 7035
anthracite gray	RAL 7016
KEA-blue	

Standard features:

- Innovative machine design for quick maintenance and easy servicing.
- Front loading with automatically unlocking of folding door and glide plate
- Spray system integrating a flat beam of jets as well as a full beam of jets and rotating loading system
- EURO standard baskets can be used (600 x 400 x 288)
- Swarf filtration in return flow
- Bath heating with analog temperature control and cut-off
- Thermal insulation
- Water vapor extraction with condensation and droplet separator
- Coalescing oil separator with maximum monitoring of the collecting pan
- Bath fill level control
- Medium-conveying components made of stainless steel/plastic
- Large bath volume at 385 liters

Standard options:

- Mechanical ultrafine filtration in main current
- Reinforced pump system
- Control of basket rotation speed including rocking
- Program suite for preheating the system and bath care
- Inspection glass in treatment cell
- Machine frame made from stainless steel/glass beaded
- Complete demineralizing unit
- Modem for remote diagnosis for the Siemens S7control system

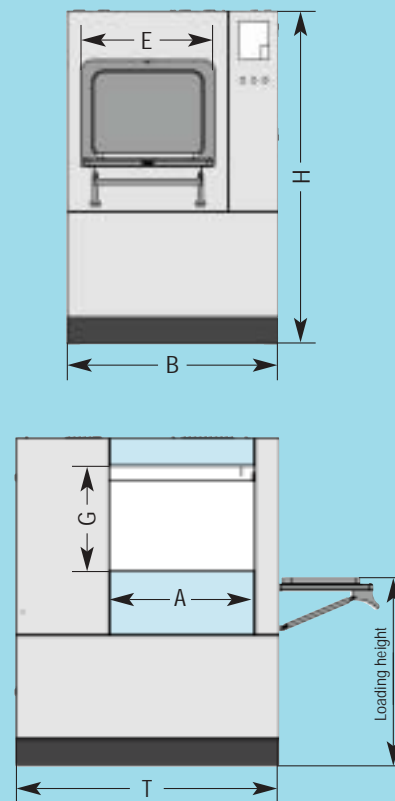
Options for drying parts:

- Stationery double pipe hot air pulse blower system, alternatingly timed
- Low-pressure flow drying

Accessories:

- Collecting pan in accordance with WHG (German Water Resources Act)
- Drain pump
- Loading carriage

Dimensions:



Your contact:



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We would be glad to provide you with information on our other cleaning systems.