

MAFAC **ELBA**

Water based parts
cleaning with dual
wash tank technology.



Water based cleaning
systems for industrial
parts cleaning.

MAFAC
CREATIVE CLEANING



MAFAC ELBA.

The ideal water based solution for work cells.



The end of your search is in sight with an ELBA industrial parts cleaner. The ELBA meets the most diverse requirements in cleaning industrial parts with a water based system which is flexible and reliable. Metal working companies producing turned parts, mechanical workshops or automobile component suppliers profit from the advantages which ELBA offers, as do electro-plating, hardening or lacquer shops. ELBA has the answers for demanding applications: whether as a central cleaning location or in individual production cells. ELBA is a compact, user-friendly and environmentally friendly solution with a high performance.

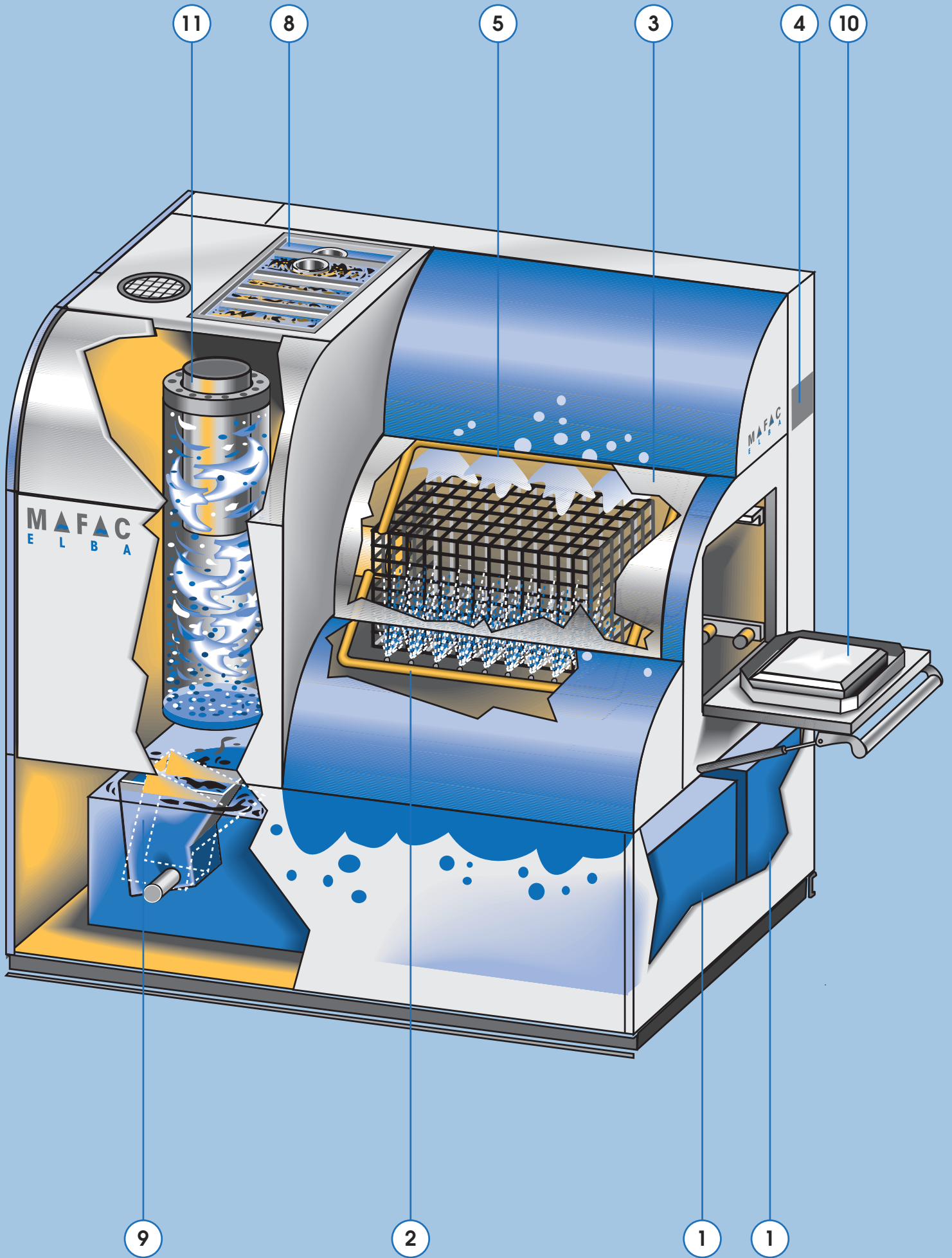
Special features include a dual wash tank system, integrated warm air drying, easy to use electronic control, digital text display. Simply enter and save your individual cleaning program without complicated codes and follow the wash cycle from the text display.

A front loading folding loading door is standard on the ELBA. An alternative vertical sliding door is an available option, which can be combined with an automatic basket transfer system for fully automatic operation.

With the MAFAC ELBA your cleaning process is more efficient. In accordance, your work cell benefits distinctively.



On-site application examples



MAFAC ELBA

the eco-friendly answer to your industrial cleaning needs.



The MAFAC ELBA's many user-friendly benefits match your cleaning tasks perfectly.

- 1: Two solution tanks for specific cleaning demands with before and after treatment of parts.
- 2: Patented, rotating spraying system with counter rotating basket. Advanced spray nozzle configuration, produces reliable cleaning results.
- 3: Wash cycle visible via viewing port in the machine frame.
- 4: MAFAC MMC control system with full text display.
- 5: Rotating pulse blower system with heat coupling (optional).
- 6: Filtration in wash and rinse mode.
- 7: Cascade from rinse to wash solution.
- 8: Efficient oil separation (coalescence).
- 9: Surface weir unit integrated in medium tank.

10: Folding door with drain for residual water as well as functional loading and unloading platform.

11: Exhaust air condenser.

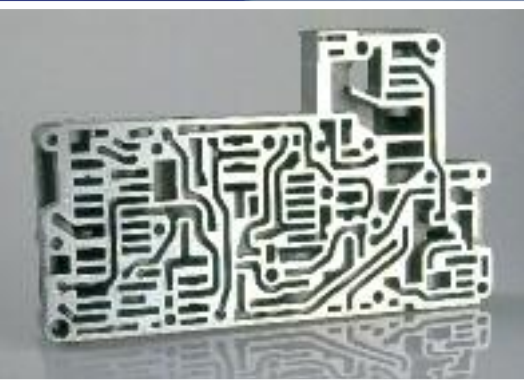
Without allocation: :

- High pressure flow drying with hot air.
- Mechanical ultra-fine filtration in the wash and rinse process (optional).
- Separate heating of the wash and rinse solutions.
- Transfer system for automatic loading of the cleaning line (optional).



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Individual components



Batches



Bulk material

MAFAC ELBA.

For efficient before and after treatment processes in industrial parts cleaning.



With the integrated two stage system, the MAFAC ELBA proves its efficiency in solving cleaning tasks by sophisticated before and after treatment processes. Bulk material, individual components or batch cleaning of ferrous and non ferrous metals and plastics can be processed with the required cleaning chemistry. The two tanks provide process flexibility for varied demands, before treatment and passivation processes can be easily handled by ELBA. Consult us about your particular cleaning requirements, we will be pleased to help.

Excellent customer service is just as much part of our standard program as the preparation, realization and documentation of customer test cleaning at our premises. The service-friendly and competent MAFAC team will be delighted to show you our convincing solutions. Environmentally friendly, economical and creative.



MAFAC **KEA**



MAFAC **JAVA**



MAFAC **PALMA**



MAFAC **MALTA**

MAFAC's series of water based cleaning systems.

From single-bath to three-bath systems for sophisticated cleaning demands.

Specifications of the MAFAC ELBA.

Cleaning System:

Pump output/pressure	Washing	kW/bar	4,0/3,5
	Rinsing	kW/bar	1,0/1,6
Flow rate	Washing	l/min.	385
	Rinsing	l/min.	210
Fill capacity	Washing	l	475
	Rinsing	l	300
Filtration	Washing, rough	µm	150
	fine (option)	µm	100
	Rinsing, rough	µm	150
	fine (option)	µm	50
Bath heater	Washing	kW/max. °C	13/75
	Rinsing	kW/max. °C	13/75
Heating-up time	(20-70°C)	hours	approx. 2
Load capacity		kg	100

Extraction/condensation of water vapours:

Mean exhaust air flow rate	m ³ /hours	600
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Pulsed jet system (option):

Flow rate	l/min.	approx. 3200
At air pressure of	bar	6
Mean noise emission level	dB(A)	approx. 78

Connections:

Electrics	V, Ph/Hz/kVA	400, 3/50/36
Pneumatics	inch/bar	Rp 3/4, 5-8
Waste water (cleaning/rinsing)	inch	both Rp 1 1/2
Exhaust air	mm	DN 120

Dimensions:

Usable space (max.)	A/E/G mm	660/480/340
Overall dimensions	B/C/D/F mm	1800/1830/855/1400

Weight:

Net	kg	950
Gross	kg	1000

Colour:

RAL	7035/light grey 5015/ELBA blue
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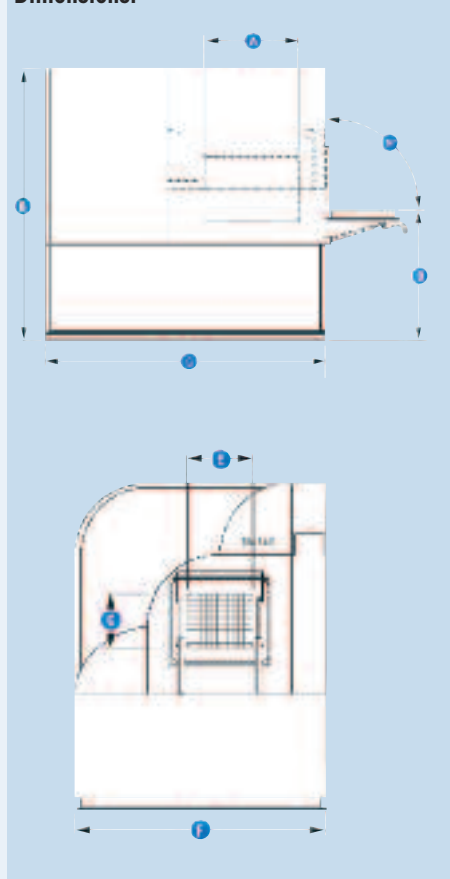
Standard features:

- Front loading with folding door and glide plate
- Patented spraying system with counter-rotation of basket
- Spray cleaning and rinsing on one unit
- EURO standard baskets can be used (600 x 400 x 288 mm)
- Swarf filtration in return flow
- Bath heating system with analog temperature control and cut-off
- Thermal insulation of medium tank
- Water vapour extraction with condensation and droplet separator
- Coalescing oil separator with maximum monitoring of the collecting pan
- Bath fill level control system
- Medium-conveying components made of stainless steel/plastic
- Programmable user-friendly control system with full text display (MMC).

Accessories and special features:

- Rotating pulse blower system
- Heated turbo drying
- Mechanical ultra-fine filtration in main current
- Control of basket rotation speed including rocking
- Program suite for preheating the system as well as for medium care
- Complete de-mineralizing unit
- Drain pump
- Collecting pan in accordance with WHG (German Water Resources Act)
- Automatic vertical sliding door instead of folding door
- Loading carriage
- Automatic transfer system

Dimensions:



Your Sales Representative:

MAFAC

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We will be pleased to send details of our complete line.