

## MAFAC KEA

### Technical specifications



#### Benefits for the user:

- Patented rotating multi-side spray system with counter-rotating basket pickup system (can be switched off). With specifically arranged nozzles for reliable cleaning results.
- Large-capacity tank for long life of the process water.
- Reduced energy consumption thanks to insulated tank.
- Removable swarf filter trays for collecting coarse dirt particles in the return flow from the cleaning process.
- Coalescing oil separation system with integrated surface suction device in tank and high-level monitoring of the oil collection tank.
- Steam extraction with mist collector, return of condensation and condensate.
- Hinged door with drip tray as a versatile load/unload platform. After the end of the cleaning process, automatic opening of the hinged door is possible.
- Easy-to-use MAFAC MAVIATIC touch panel.
- Ultra-fine filtration on pressure side of the pump for removing small dirt particles before cleaning.
- The hot air pulse blowing system keeps residual water to a minimum for a higher degree of dryness in the parts.
- Hot air drying system for optimum heating and efficient drying of the parts.
- Cleaning chamber with viewing window for monitoring of cleaning.
- Optional integration of manual and automatic loading systems.

### Standard features:

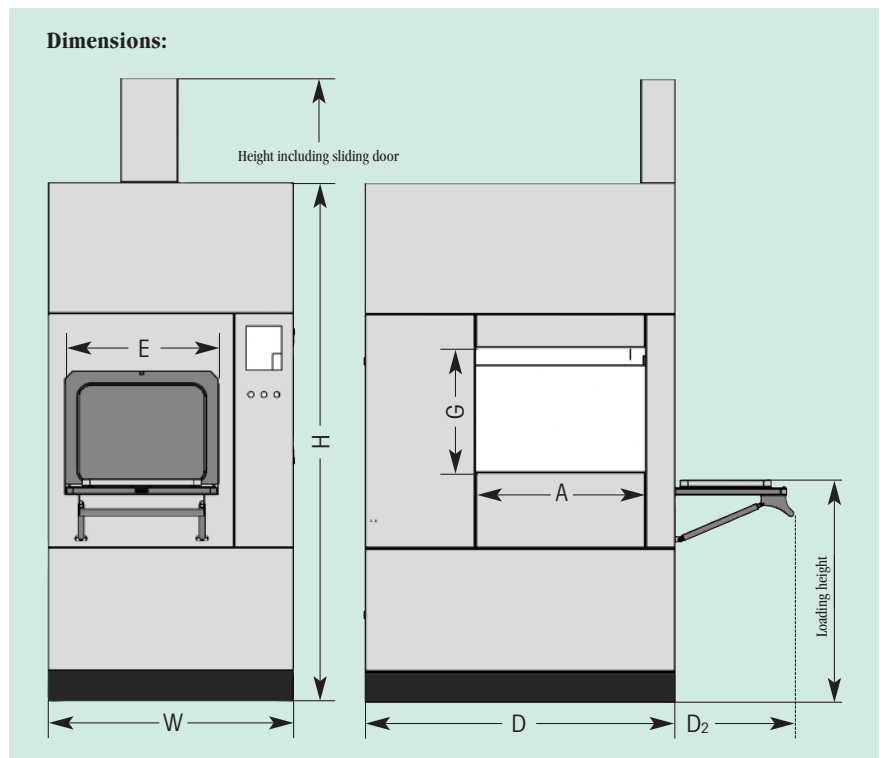
- Innovative machine design for quick maintenance and easy servicing
- Front loading with automatically unlocking hinged door and sliding plate
- Rotating multi-side spray system with fan and full-jet nozzles and counter-rotating basket pickup system
- EURO standard baskets can be used
- Swarf filtration in return flow
- Liquid heating system with analogue temperature control and cut-off
- Thermal insulation
- Steam extraction with condensation and mist separator
- Coalescing oil separator with high-level monitoring of the oil collection tank
- Media fill level control
- Water-contact components made of stainless steel / plastic
- Large tank with a capacity of 320 litres

### Options:

- Rotating hot air pulse blowing system
- Stationary hot air drying system
- Ultra-fine filtration on pressure side of pump
- Enhanced pump system
- Speed control for basket rotation including oscillation
- Program package for machine pre-heating and media treatment
- Cleaning chamber with viewing window
- Machine frame made of stainless steel/glass bead blasted
- DI unit for fresh water
- Modem for remote maintenance of the control system
- Bund tray acc. to German Water Resources Act
- Draining pump
- Charging trolley
- Sliding door
- Automatic transfer system
- Roller conveyor
- Heat exchange module MAFAC HEAT.X
- Fresh water rinse



Spraying pressure pump standard version			Return filtration		Option: Pre-run filtration	
Flow volume	Pressure	Output	Grade	Surface area	Grade	Surface area
<b>Cleaning process tank 1:</b>						
200 l/min.	2,0 bar	2,2 kW	150 µm	0,28 m <sup>2</sup>	100 µm	1x 0,15 m <sup>2</sup>
Option: Spraying pressure pump non-performance version			Return filtration		Option: Pre-run filtration	
Flow volume	Pressure	Output	Grade	Surface area	Grade	Surface area
<b>Cleaning process tank 1:</b>						
200 l/min.	3,5 bar	3,0 kW	150 µm	0,28 m <sup>2</sup>	100 µm	1x 0,15 m <sup>2</sup>
			Contents	Heating time	Temperature	Heating capacity
<b>1-bath version</b>			Tank 1, cleaning: (including oil separator)	320 litres	approx. 1.5 h	[75 °C] 10,0 kW
<b>Connections:</b>			Electrical	V ; Ph ; Hz ; kVA	400 ; 3 ; 50 ; 23	
			Compressed air	inch; bar	Rp 3/4 ; 5 - 8	
			Fresh water	inch; bar	Rp 3/4 ; 0,5 - 10	
			Waste water	inch	Rp 1 1/2	
			Exhaust air	mm	DN 120	
<b>Extraction/condensation:</b>			Mean volumetric flow rate		600 m <sup>3</sup> /h	
<b>Drying systems:</b>				Flow volume	Pressure	Temperature
			Pulse blowing system	3300-3400 l/min.	3,0-5,0 bar	< 45 °C
			Hot-blowing system	160 m <sup>3</sup> /h	0,015 bar	max. 90 °C
<b>Dimensions:</b>				Depth (mm)	Width (mm)	Height (mm)
			Usable space max. (A x E x G)	600	400	288
			Outside dimensions with hinged door (D x W x H)	1210, D <sub>2</sub> 1700	950	1900
			Outside dimensions with sliding door (D x W x H)	1287	950	2380
			Loading height			860
<b>Weight:</b>			Batch		max. 100 kg	
			Machine	without liquid	480 kg	
				with liquid	800 kg	
<b>Machine colour:</b>			Attention: changed colours since 2018/01/01: light grey RAL 7035 / light green RAL 6027		Light grey RAL 7035	<del>KEA blue</del>



# MAFAC

Parts Cleaning. Systems and Solutions.

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