



MOC DOLPHIN



Powerful and
efficient
Cleaning



Immersion washing
equipment

The **MOC**company

Experience
Competence
Innovation



Thomas Danner,
Executive director

For over 50 years MOC has specialised in the development and production of cleaning equipment.

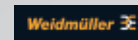
»Today, we are one of the leading manufacturers in the sector of cleaning technology, with over 50 different equipment features, such as ultrasound, surround flooding, coalescence precipitator and vacuum dryers.

It is our challenge to design and manufacture environmentally friendly and perfect plant equipment for our customers. We are a compelling partner for the industry due to continuous innovation and improvement of the Dolphin immersion equipment series.«

→ **CUSTOMER OPINIONS**

Weidmüller is positioning itself successfully and permanently worldwide as a leading supplier of solutions for electrical connection, transmission and conditioning of energy, signals, and data in the industrial environment.

»» For many years we have utilised immersion cleaning equipment aided with ultrasound from MOC for cleaning punched parts fabricated in our factory. Due to excellent rinsing effect, we achieve a very high degree of cleanliness even of bulk goods. Besides steel parts, we also process stainless steel parts and non-ferrous metals. MOC has been a reliable and innovative partner for many years! ««



Manfred Kofski, head of surface technology at Weidmüller GmbH & Co. KG

Rominger Medizintechnik manufactures different instruments, above all, for application in the ENT, neurosurgery, and orthopaedics sectors.

»» We are a new customer of MOC, and were convinced by the qualitative plant technology performance. It conforms to the requirements that we need today as manufacturer of high quality medicine instruments. ««



Mr Rominger, Rominger Medizintechnik GmbH

Operating comfort,
Operation safety
and durability

Vacuum and hot air drier

The vacuum drier (optional) facilitates energy efficiency and quick drying. It can also be combined with hot air.

Extraction wall

The extraction device is integrated in the rear wall to keep away plume from the operator.

Automatic closing lid

To optimise the operating comfort, the lid closes automatically after switching off.

PLC-controller

Automation, stroke length, stroke position, temperature, time and speed of oscillation are easily programmable.

Oil trap

Environmental cleaning of the medium via the coalescence stripper integrated at the back.

→ **OPTIONS** for DOLPHIN A & K

- Drip-off station (with device for tilting) ①
- Hot air drier
- Vacuum drier
- Ultrasonic 25/40/58 kHz
- Filter
- Oil trap ②
- MOCficiency
- Integrated monitor ③



Figure contains options, that may deviate from the standard version.

MOC DOLPHIN sets standards!

MOC Dolphin can accommodate both the standard Schäfer boxes as well as the MOC standard cage. Details like the lid with condensate stripper or the integrated extraction device create an ideal working environment. Media-contacting parts are rinsed automatically. Our machines hardly require maintenance!



→ **DATA** **DOLPHIN A** **DOLPHIN K**

	DOLPHIN A	DOLPHIN K
Standard useful dimensions	500 x 300 x 200	600 x 430 x 300
Application weight	20 kg	50 kg
Filling volume	approx. 130 l	approx. 250 l
Heating capacity	2 x 2 KW	2 x 4.5 KW
Material with media contact	Stainless steel, plastic	Stainless steel, plastic
Lighting	✓	-
PLC-controller	✓	✓
Heating	✓	✓
Oscillation	✓	✓
Extraction wall	✓	✓
Lid	✓	✓
Adjustable feet	✓	✓
Overflow gutter	✓	✓
Swivelling supporting bearing	✓	✓
Sound insulation	✓	✓

Special dimensions available upon request.



1. Thorough cleaning through full immersion of components.

2. Oscillation occurs at different heights and lengths with strokes of up to 300 mm.

3. Surface elutriation and filtration via floor rinsing.

4. Ultrasonic waves attain their maximum effect through the motion of the immersion cage.

5. Exchanging the components up to the top edge of basin.

Methods Of Cleaning



Immersion instead of spraying!

The surface of the component is fully wetted independently of its geometry during immersion. This is a substantial advantage over a spraying equipment. Moreover, continuous exchange of saturated detergent particles and »fresh« forces is effected by the motion of the immersion cage in detergent. In this way, very effective cleaning circulation is achieved.



Ultrasound!

Vacuum and excess pressure waves generate tiny vacuum bubbles in water; these implode near the object to be cleaned and develop a pressure blast that caters for intensive and mild ablation of dirt particles. The cleaning process is therefore aided by ultrasound – powerfully and efficiently.



Movement through oscillation!

Different local efficiency values occur due to the wave form and surface geometry during ultrasonic cleaning. For this reason, we move the complete immersion cage to and fro inside the ultrasonic bath. Speed, stroke and position can be set independently of one another. In this manner, the surface points reach every effect maximum peak of the ultrasonic waves. This effect is attained with only one ultrasonic generator. Efficient Engineering by MOC!



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