

2.0 ERGO

The touch-free cleaning system for cleanrooms



Professional cleanroom cleaning with PurMop® 2.0 ERGO

Focusing on the essential

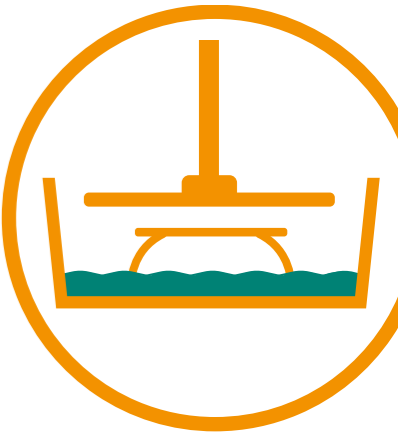


Touchless performance

Contact with used mop covers and contaminated cleaning equipment such as mop frames carries a high risk of cross-contamination in a cleanroom. PurMop® ERGO enables a completely touchless handling of the cleaning trolley in only three steps: 1) pickup, 2) fluid dosing and 3) discarding of the mop.

Reproducible processes

We have developed a unique wetting system that enables the application of a defined amount of liquid (detergents/disinfectants) onto the mop in one single step. Discrepancies in the wetting performance due to excessive or insufficient impregnation of the mop and operator errors such as reuse of a contaminated mop are effectively prevented. The process is defined by the system and can be repeated with a minimum of deviations – for a safe, GMP-compliant procedure.



Advanced ERGOnomics

Our goal is to design the workflow and functionality of all components in a manner that allows the least possible health strain to the user. The ergonomics of a cleaning system can have a significant impact on the result, and thus on the effectiveness of the cleaning and disinfection process.

Our answer to that is an uncomplicated, easy-to-use and easy-to-learn system that requires the least effort, eliminates the need for bending down or lifting heavy buckets or mop-boxes and eliminates contact with the mop. Altogether, this results in a cleanroom cleaning system that is virtually unrivalled in terms of user-friendliness.



ISO	3	4	5	6	7	8
GMP			A/B	C	D	

Ceiling	Laboratory	Medical
Wall	Mechanics	Pharma
Floor	Electronics	Pharmacy



Fig.: Model 2.0 ERGO-S 230 with accessories

Intelligent fluid dosing

Optimal results in just one step

The effective and safe cleaning and/or disinfection of cleanrooms requires a validated process under consideration of cleaning equipment, chemicals, operators and technique. Especially critical is the elimination of possible operating errors and flaws in the system.

The ERGO mop wetting unit specifically addresses the challenges of validatable cleaning equipment. It enables easy and user-independent results with minimal effort. Made of polished stainless steel and with special sleeve bearings, the robust unit is autoclavable and easy to clean.

Fig.: Dosing unit



Innovation

Precisely SAFE

Defined dosage of liquid, adaptable according to your requirement with 4 options of dosing plates. The dosing plate can be replaced with a single movement.



Uniquely EASY

Mop dosing has never been so simple: The dosing plate is activated with mop attached to the mop frame. The defined amount of liquid is applied to the mop in a single transmission. After just a few seconds the mop is evenly saturated.



Result

The intelligent dosing guarantees reproducible results and avoids the need to wring out excess liquid.

MAXIMUM EFFICIENCY

Savings of the ERGO system compared to alternative systems (e.g. UNO/DUO flat wringer)



Up to 40% less disinfectant/detergent and water



Up to 30% time saved



Significantly less effort

The ERGO workflow

Simply clever

1

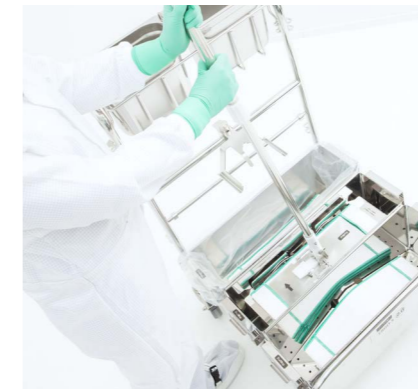


Bucket 1

Pickup

► Pickup of a fresh mop
The mop carrier enables a fresh mop to be picked up without hand contact.

2



Bucket 2

Dosing

► Activation of the mop wetting device
A defined amount of liquid is applied to the mop and distributed evenly within a few seconds.

3



Wiping

► Cleaning or disinfecting the surface (floor/wall/ceiling)
PurMop® cleanroom mops ensure a sufficient and even fluid distribution for optimal cleaning and disinfection.

4



Bucket 3

Discarding

► Discarding of the used mop
The intelligent discarding mechanism enables a touchless discarding of the used mops (either at the front or rear of the trolley).



Watch the video now:
www.youtube.com/HydroflexEN

Stainless steel trolley system

DESIGN

- ▶ Stainless steel trolley and attachments
- ▶ Stainless steel buckets and wheel housings

Recommended application:

ISO	3	4	5	6	7	8
GMP			A/B		C	D

Features:

- ▶ Robust and durable
- ▶ Permanently autoclavable and resistant to common disinfectants and detergents
- ▶ Easy-to-clean polished surfaces with low dirt adhesion
- ▶ Developed to comply with GMP, VDI, and DIN EN ISO requirements



Fig.: Mop discarding function with cleanroom waste bags (see "Accessories and mops")

Fig.: Model 2.0 ERGO-S 230, features and equipment

Components

1

Accessory bucket

Stainless steel bucket with handles, 5-liter capacity
hygienic and easy to clean
Item no. 2129006

2

Mop carrier

Stainless steel, insertable in bucket
Item no. 2129224

3

Stainless-steel bucket

Stainless steel bucket, 18-liter capacity
GMP-compliant, resistant and durable, with scale:
Item no. 2129023

4

Castors

Stainless steel
autoclavable, non-abrasive, with greaseless bearings, electrostatically conductive, rear wheels with locking brake

Stainless steel castor housing with brake: Item no. 2129228
without brake: Item no. 2129214

5

Handle holder, two-piece

◀ **Handle holder**, fixable
+
◀ **Support** for mop frame, fixable
Item no. 2123100

6

Waste bag holder

Holding frame for waste bags, stainless steel, detachable
Item no. 2123101

For waste bags see page 14

7

Mop discarding mechanism

Mop discarding mechanism, stainless steel, removable
Item no. 2129118

Plastic trolley system

DESIGN

- ▶ Stainless steel trolley and attachments
- ▶ Plastic buckets and wheel housings

Recommended application:

ISO	3	4	5	6	7	8
GMP		A/B		C	D	

Features:

- ▶ Lightweight and ergonomic
- ▶ Buckets available in different colours
- ▶ Stainless steel trolley autoclavable



Fig.: Model 2.0 ERGO 230, features and equipment

Components

1

Accessory bucket

Plastic bucket with handle, 6-liter capacity with lid, mountable
 Blue: Item no. 2129017_B
 Green: Item no. 2129017_G
 Orange: Item no. 2129017_O
 Yellow: Item no. 2129017_Y

2

Mop carrier

Stainless steel, insertable in bucket
 Item no. 2129224

3

Plastic bucket

Plastic bucket, 18-liter capacity easy to clean and resistant
 Blue: Item no. 2129010
 Grey: Item no. 2129018

4

Castors

Plastic
 electrostatically conductive, autoclavable, non-abrasive, rear wheels with locking brake

Plastic castor housing with brake: Item no. 2129221
 without brakes: Item no. 2129220

5

Handle holder, two-piece

◀ **Handle holder**, fixable
 +
 ▶ **Support** for mop frame, fixable
 Item no. 2123100

6

Waste bag holder

Holding frame for waste bags, stainless steel, detachable
 Item no. 2123101

For waste bags see page 14

7

Mop discarding mechanism

Mop discarding mechanism, stainless steel, removable
 Item no. 2129118

Design Features

Ergonomic handle

Easy to operate and transport

Support brackets

for the tool-free attachment of accessories, fully detachable

Surface finish

electropolished surfaces for low surface roughness and optimum cleanability

Plaque

for individual marking and area coding according to your requirements

Mop discarding device

for the touchless discarding of used mops, removable

Buckets with integrated handle

GMP-compliant design with a rounded interior, open handles for easy cleaning, and bearings to prevent abrasion

Fig.: Model 2.0 ERGO-S 230

NEW MODEL

Foldable handle

for easy storage under tables / benches

Features:

- ▶ 0,29 m² - small footprint
- ▶ 72 cm - folded height
- ▶ 20 kg - light weight
- ▶ 300 m² - cleanable surface
- ▶ AISI 304 - full stainless steel construction
- ▶ 0 - hand contact with mops



Fig.: Model 2.0 ERGO-S 205-F

ERGO QUALITY

When it comes to product quality, the ERGO system sets the bar high:

- ▶ Development and design in accordance with GMP- and cleanroom aspects
- ▶ Manufactured according to ISO 9001 quality standards
- ▶ Use of cleanroom-suitable and robust materials

Stainless steel models



2.0 ERGO-S 200 | Item no. 2123028

- ▶ 2 x 18 liter bucket
- ▶ Without discarding mechanism
- ▶ Dimensions (LxWxH): 17 x 61 x 39 cm
- ▶ Weight: 16 kg



2.0 ERGO-S 205-F | Item no. 2123030

- ▶ 2 x 18 liter bucket
- ▶ Mop discard mechanism on the rear
- ▶ With handle and waste bag holder
- ▶ Dimensions (LxWxH): 65 x 70 x 94 cm
- ▶ Weight: 20 kg



2.0 ERGO-S 210 | Item no. 2123021

- ▶ 3 x 18 liter bucket
- ▶ Discarding mechanism on the rear
- ▶ With handle holder and waste bag holder
- ▶ Dimensions (LxWxH): 65 x 70 x 97 cm
- ▶ Weight: 25 kg



2.0 ERGO-S 230 | Item no. 2123022

- ▶ 3 x 18 liter bucket
- ▶ Discarding mechanism on the rear
- ▶ With handle holder and waste bag holder
- ▶ Two additional buckets
- ▶ Dimensions (LxWxH): 65 x 70 x 102 cm
- ▶ Weight: 27 kg



2.0 ERGO-S 300 | Item no. 2123023

- ▶ 3 x 18 liter bucket
- ▶ Discarding mechanism on the front
- ▶ With handle holder and waste bag holder
- ▶ Dimensions (LxWxH): 78 x 70 x 97 cm
- ▶ Weight: 25 kg



2.0 ERGO-S 320 | Item no. 2123025

- ▶ 3 x 18 liter bucket
- ▶ Discarding mechanism on the front
- ▶ With handle holder and waste bag holder
- ▶ Two additional buckets
- ▶ Dimensions (LxWxH): 78 x 70 x 102 cm
- ▶ Weight: 27 kg

Plastic models



2.0 ERGO 200 | Item no. 2123027

- ▶ 2 x 18 liter bucket
- ▶ Without discarding mechanism
- ▶ Dimensions (LxWxH): 50 x 60 x 42 mm
- ▶ Weight: 10 kg



2.0 ERGO 205-F | Item no. 2123029

- ▶ 2 x 18 liter bucket
- ▶ Mop discard mechanism on the rear
- ▶ With handle and waste bag holder
- ▶ Dimensions (LxWxH): 65 x 70 x 94 cm
- ▶ Weight: 14 kg



2.0 ERGO 210 | Item no. 2123015

- ▶ 3 x 18 liter bucket
- ▶ Discarding mechanism on the rear
- ▶ With handle holder and waste bag holder
- ▶ Dimensions (LxWxH): 65 x 70 x 98 cm
- ▶ Weight: 17 kg



2.0 ERGO 230 | Item no. 2123016

- ▶ 3 x 18 liter bucket
- ▶ Discarding mechanism on the rear
- ▶ With handle holder and waste bag holder
- ▶ Two additional buckets with lid
- ▶ Dimensions (LxWxH): 65 x 70 x 105 cm
- ▶ Weight: 18 kg



2.0 ERGO 300 | Item no. 2123017

- ▶ 3 x 18 liter bucket
- ▶ Discarding mechanism on the front
- ▶ With handle holder and waste bag holder
- ▶ Dimensions (LxWxH): 78 x 70 x 98 cm
- ▶ Weight: 16 kg



2.0 ERGO 320 | Item no. 2123019

- ▶ 3 x 18 liter bucket
- ▶ Discarding mechanism on the front
- ▶ With handle holder and waste bag holder
- ▶ Two additional buckets with lid
- ▶ Dimensions (LxWxH): 78 x 70 x 105 cm
- ▶ Weight: 18 kg

Accessories and mops

For a perfectly matched cleaning system

Mop frames



Cleanroom mop waste bags



Mop handles

Stainless steel | SET2100/SET2070 | telescopic

Stainless steel | SEP140 | rigid



Aluminium | SAT2100/2150 | telescopic

Aluminum/plastic | SAK170 | telescopic

Safe-Use mops

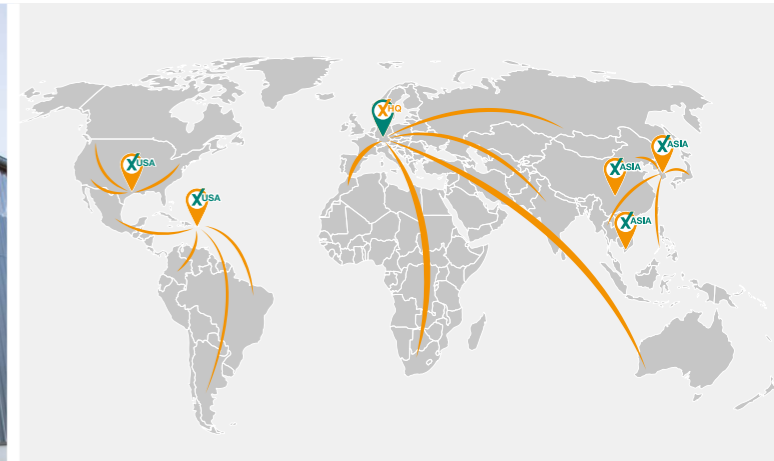


Reusable mops



Company

Cleanroom hygiene innovations – engineered in Germany



As specialised German manufacturer of cleanroom cleaning systems, Hydroflex stands for a high quality level and comprehensive support. From the selection of the right product through to the training of the cleanroom operators, we are at your side during the entire implementation process of a new cleaning concept. The Hydroflex Group is internationally set up to offer our customers an optimal service through our distribution network.

- ▶ Extensively tested and certified products
- ▶ In-house development and custom-made products
- ▶ Free test systems and on-site demonstrations
- ▶ Ongoing support after implementation

FULL SERVICE



Test systems

As part of the Hydroflex service we provide you with a trial cleaning system for your in-house testing.



Validation

We support you in the validation of our cleaning systems in your cleanroom.



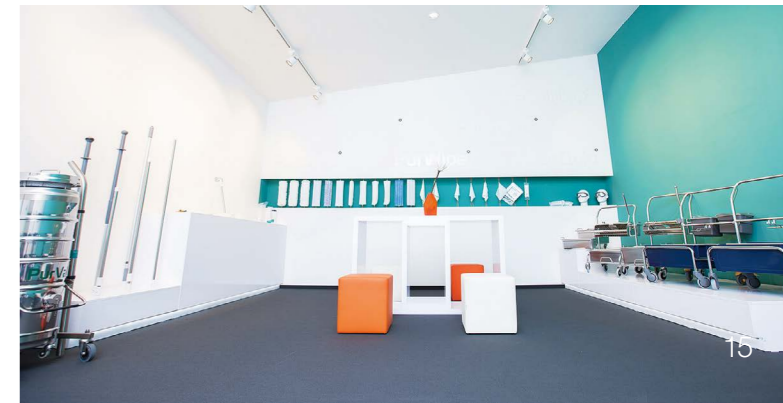
Training and education

Product training and professional education for your employees by our experts.



Documents

We provide you with technical documentation and certificates for all of our products (as far as applicable).





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