

# 2.0 ERGO

The touch-free cleaning system for cleanrooms

new  
series



SPSCLEANTECH.COM

3265 Sunset Lane ■ Hatboro PA 19040  
phone.800.345.3569 fax.888.329.9669

Hydroflex



# Professional cleanroom cleaning with PurMop® 2.0 ERGO

# Focusing on the essential



## Touchless performance

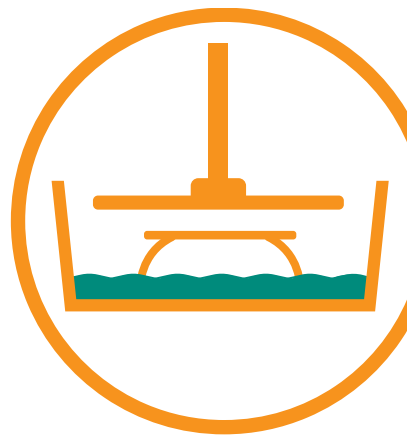
Contact with used mop covers and contaminated cleaning equipment such as mop frames carries a high risk of cross-contamination in a cleanroom. PurMop® ERGO enables a completely touchless handling of the cleaning trolley in only three steps: 1) pickup, 2) fluid dosing and 3) discarding of the mop.

A European patent confirms the innovative strength of the ERGO concept with its three-stage working process (three buckets).



## Reproducible processes

We have developed an innovative 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.



Fig.: Model 2.0 ERGO-S 230 with accessories



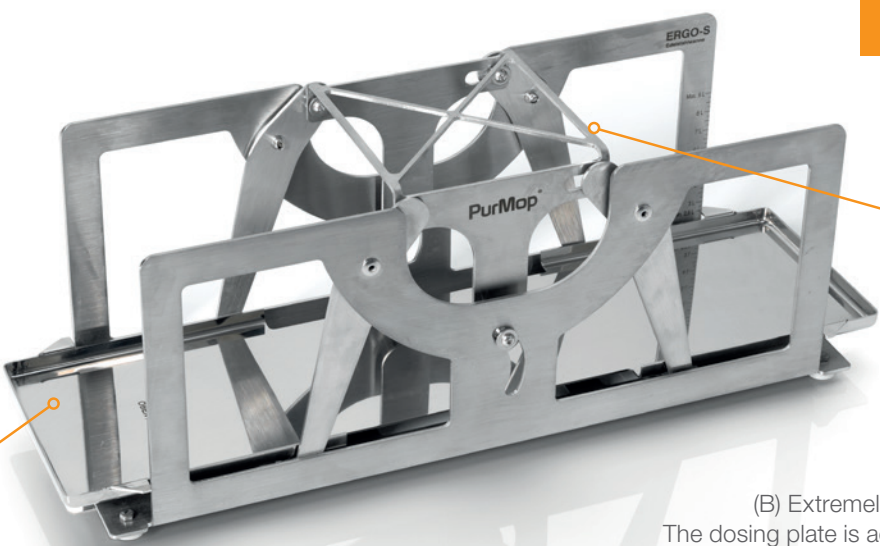
# Intelligent fluid dosing

Optimal results in just one step

The effective and safe cleaning and/or disinfection of cleanrooms requires a validated process with fine tuning of cleaning equipment and personnel. Especially critical is the elimination of possible operating errors and flaws in the system.

The 2.0 ERGO mop wetting unit was designed to specifically address these issues. 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 with dosing plate



Innovation

Precise

(A) Define the optimal quantity of liquid for your requirement and the matching dosing plate (available in four options from 100 to 300 ml). The dosing plate can be replaced with a single movement.



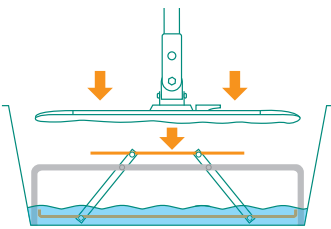
Unique

(B) Extremely simple fluid dosing: The dosing plate is activated with mop attached to the mop frame. A defined amount of liquid is applied to the bottom of the mop in a single transmission action. After just a few seconds, wetting of the mop is completed and the process is finished.

Result



The intelligent dosing guarantees reproducible results and avoids 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



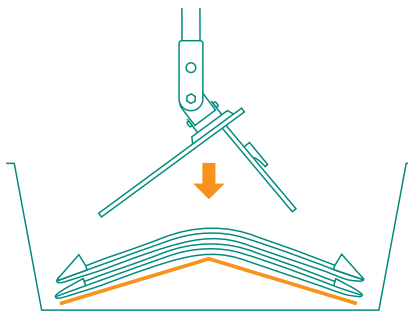
Up to **30%** time saved



Significantly **less** effort

# The ERGO workflow

Simply clever



## Pickup

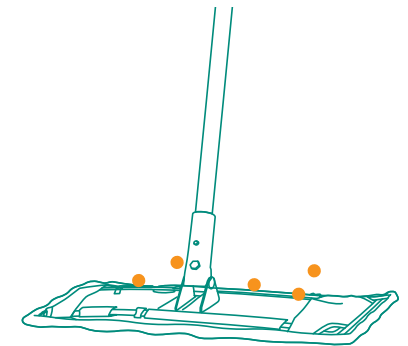
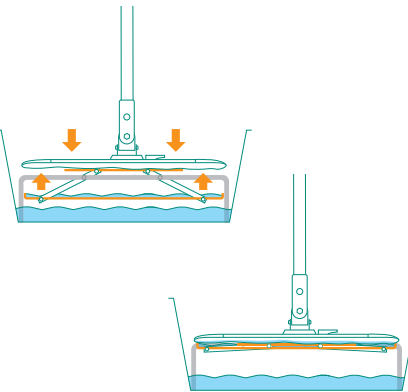
► Pickup of a fresh mop

The mop carrier enables a fresh mop to be picked up without hand contact and without bending over.

## Dosing

► Operation of the mop wetting device

The previously selected amount of liquid is applied to the mop and distributed evenly within a few seconds.



## Wiping

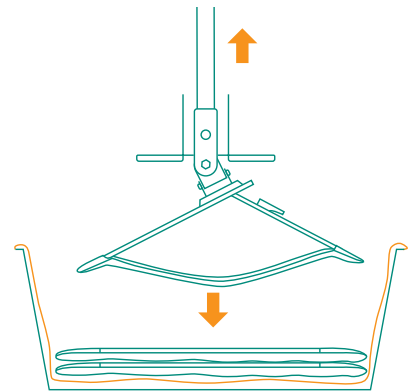
► Wetting the surface (floor/wall/ceiling)

PurMop® mops ensure a sufficient and even fluid distribution for optimal cleaning and disinfection.

## 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](http://www.youtube.com/HydroflexEN)



# Stainless steel trolley system

Robust and durable

## DESIGN

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

## Recommended application:

- ▶ Pharmaceutical cleanrooms: GMP class A/B/C
- ▶ Technical cleanrooms: ISO class 4/5/6/7

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

## Features:

- ▶ Robust and durable
- ▶ Permanently autoclavable and resistant to chemicals
- ▶ Easy-to-clean polished surfaces with low dirt adhesion
- ▶ Minimisation of dead space and hollow areas
- ▶ Compliant 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  
Art. No. 2129006


2



**Mop carrier**

**Stainless steel**, insertable in bucket  
Art. No. 2129224


3



**Stainless-steel bucket**

**Stainless steel bucket, 18-liter capacity**  
GMP-compliant, resistant and durable, with scale:  
Art. 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: Art. No. 2129228  
without brake: Art. No. 2129214


5



**Handle holder, two-piece**

◀ **Handle holder**, fixable  
+  
◀ **Support** for mop frame, fixable  
Art. No. 2123100


6



**Waste bag holder**


**Holding frame for waste bags**, stainless steel, detachable  
Art. No. 2123101

7



**Mop discarding mechanism**

**Mop discarding mechanism**, stainless steel, removable  
Art. No. 2129118





# Plastic trolley system

Lightweight and flexible

## DESIGN

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

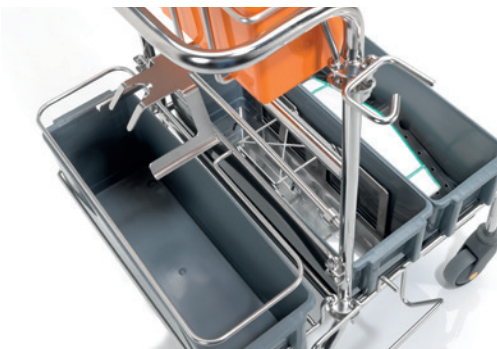
## Recommended application:

- ▶ Pharmaceutical cleanrooms: GMP class C/D
- ▶ Hygiene and grey areas
- ▶ Technical cleanrooms: ISO class 5–8

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


## Features:

- ▶ Lightweight and ergonomic
- ▶ Buckets available in various colours
- ▶ Entire trolley autoclavable



# Components

1



**Accessory bucket**

**Plastic bucket with handle, 6-liter capacity**  
with lid, mountable  
Blue: Art. No. 2129017\_B  
Green: Art. No. 2129017\_G  
Orange: Art. No. 2129017\_O  
Yellow: Art. No. 2129017\_Y


Blue

Green

Orange

Yellow


2



**Mop carrier**

**Stainless steel, insertable in bucket**  
Art. No. 2129224

3




**Plastic bucket**

**Plastic bucket, 18-liter capacity**  
easy to clean, autoclavable and resistant  
Blue: Art. No. 2129010  
Grey: Art. No. 2129018

Blue

Grey

4




**Castors**

**Plastic**  
electrostatically conductive, auto-clavable, non-abrasive, rear wheels with locking brake

Plastic castor housing  
with brake: Art. No. 2129221  
without brakes: Art. No. 2129220

5




**Handle holder, two-piece**

◀ **Handle holder**, fixable

+

◀ **Support** for mop frame, fixable  
Art. No. 2123100


6



**Waste bag holder**


**Holding frame for waste bags**,  
stainless steel, detachable  
Art. No. 2123101

7



**Mop discarding mechanism**

**Mop discarding mechanism**,  
stainless steel, removable  
Art. No. 2129118






Fig.: Model 2.0 ERGO 230, features and equipment



# Innovative features for the highest demands

2.0  
ERGO

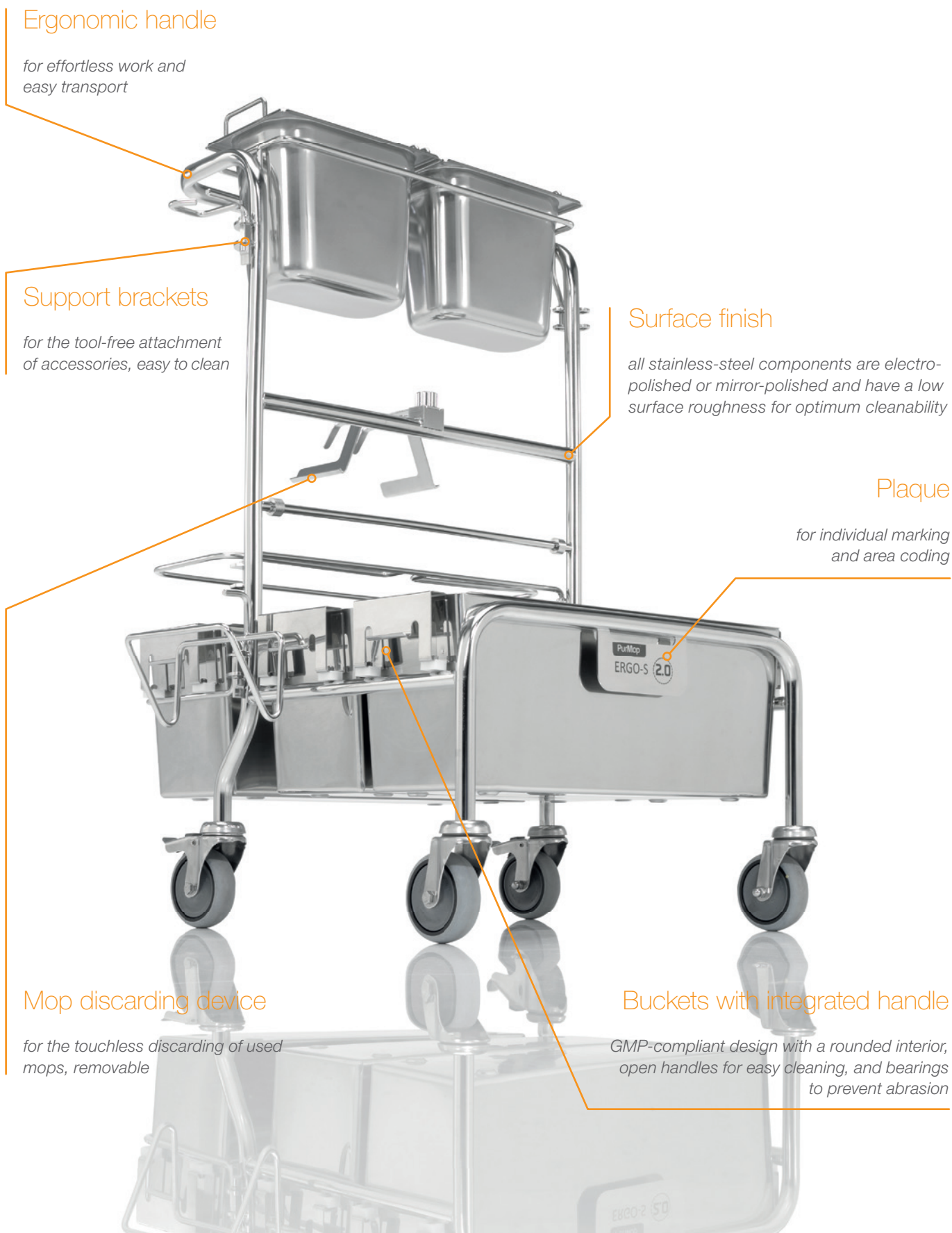


Fig.: Model 2.0 ERGO 230

## 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 | Art. No. 2123028

- ▶ 2 × 18 liter bucket
- ▶ without discarding mechanism
- ▶ dimensions dismantled: L 52 × W 61 × H 39cm
- ▶ dimensions assembled: L 52 × W 61 × H 40cm



2.0 ERGO-S 210 | Art. No. 2123021

- ▶ 3 × 18 liter bucket
- ▶ discarding mechanism on the rear
- ▶ with handle holder and waste bag holder
- ▶ dimensions dismantled: L 61 × W 61 × H 98cm
- ▶ dimensions assembled: L 66 × W 70 × H 98cm



2.0 ERGO-S 230 | Art. No. 2123022

- ▶ 3 × 18 liter bucket
- ▶ discarding mechanism on the rear
- ▶ with handle holder and waste bag holder
- ▶ two additional buckets
- ▶ dimensions dismantled: L 61 × W 61 × H 98cm
- ▶ dimensions assembled: L 66 × W 70 × H 104cm



2.0 ERGO-S 300 | Art. No. 2123023

- ▶ 3 × 18 liter bucket
- ▶ discarding mechanism on the front
- ▶ with handle holder and waste bag holder
- ▶ dimensions dismantled: L 79 × W 61 × H 98cm
- ▶ dimensions assembled: L 79 × W 70 × H 98cm



2.0 ERGO-S 320 | Art. No. 2123025

- ▶ 3 × 18 liter bucket
- ▶ discarding mechanism on the front
- ▶ with handle holder and waste bag holder
- ▶ two additional buckets
- ▶ dimensions dismantled: L 79 × W 61 × H 98cm
- ▶ dimensions assembled: L 79 × W 70 × H 104cm

# Plastic models



2.0 ERGO 200 | Art. No. 2123027

- ▶ 2 × 18 liter bucket
- ▶ without discarding mechanism
- ▶ dimensions dismantled: L 51 × W 60 × H 39cm
- ▶ dimensions assembled: L 51 × W 60 × H 42cm



2.0 ERGO 210 | Art. No. 2123015

- ▶ 3 × 18 liter bucket
- ▶ discarding mechanism on the rear
- ▶ with handle holder and waste bag holder
- ▶ dimensions dismantled: L 60 × W 61 × H 98cm
- ▶ dimensions assembled: L 65 × W 70 × H 98cm



2.0 ERGO 230 | Art. No. 2123016

- ▶ 3 × 18 liter bucket
- ▶ discarding mechanism on the rear
- ▶ with handle holder and waste bag holder
- ▶ two additional buckets with lid
- ▶ dimensions dismantled: L 60 × W 61 × H 98cm
- ▶ dimensions assembled: L 65 × W 70 × H 105cm



2.0 ERGO 300 | Art. No. 2123017

- ▶ 3 × 18 liter bucket
- ▶ discarding mechanism on the front
- ▶ with handle holder and waste bag holder
- ▶ dimensions dismantled: L 78 × W 61 × H 98cm
- ▶ dimensions assembled: L 78 × W 70 × H 98cm



2.0 ERGO 320 | Art. No. 2123019

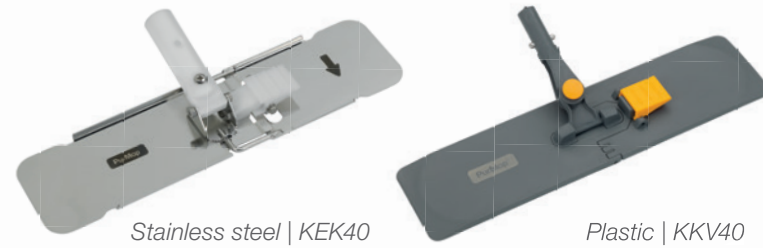
- ▶ 3 × 18 liter bucket
- ▶ discarding mechanism on the front
- ▶ with handle holder and waste bag holder
- ▶ two additional buckets with lid
- ▶ dimensions dismantled: L 78 × W 61 × H 98cm
- ▶ dimensions assembled: L 78 × W 70 × H 105cm



# Accessories and mops

For a perfectly matched cleaning system

## Mop frames



## Cleanroom mop waste bags

LDPE,  
585 x 185 x 500 mm  
MB18-R/  
MB18-RS (sterile)



## Mop handles

Stainless steel | SEP140 | rigid

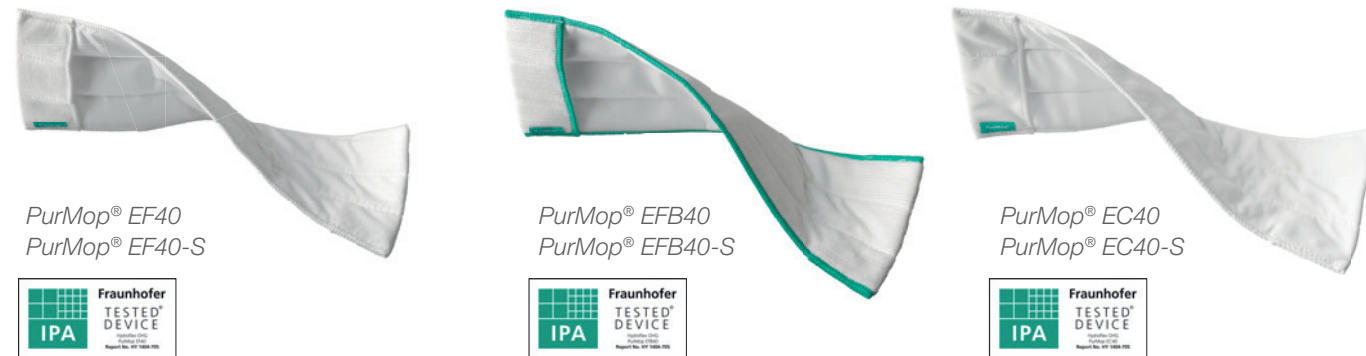
Stainless steel | SET2100/SET2070 | telescopic



Aluminium | SAT2100/  
2150 | telescopic

Aluminum/plastic  
SAK170 | telescopic

## Safe-Use mops



PurMop® EF40  
PurMop® EF40-S

PurMop® EFB40  
PurMop® EFB40-S

PurMop® EC40  
PurMop® EC40-S

## Reusable mops



PurMop® ML40

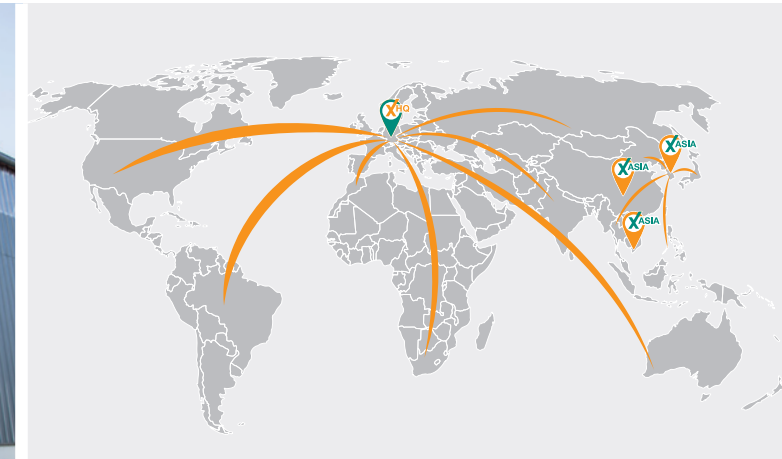
PurMop® Z40

PurMop® MLB40

PurMop® P40

# 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 full technical documentation and certificates for all of our products (as far as applicable).







**Hydroflex**

**HYDROFLEX OHG** Cleanroom Hygiene  
Am Weidenhäuser Bahnhof 8  
35075 Gladenbach ▶ Germany

T +49 6462 91598-0 ▶ F +49 6462 91598-20  
info@hydroflex-group.com ▶ hydroflex-group.com

**Hydroflex**  
ASIA

**HYDROFLEX ASIA Co., Ltd.**  
61, Munhyeon-ro, Opo-eup  
Gwangju-si, Gyeonggi-do ▶ 12774 Korea

T +82 31 764 6462 ▶ F +82 31 797 0387  
asia@hydroflex-group.com ▶ hydroflex-group.com