

Hydroflex

PHARMA PROGRAM

Cleanroom Hygiene
Solutions for Pharma and
Biotechnology



Pure Passion
for Cleanroom Hygiene

Passion for CLEAN Rooms

Dear Customers,

for four decades, our daily business has revolved around the best cleaning equipment for industrial applications. In 2009, Hydroflex took on the challenge of meeting the pharmaceutical industry's high cleanliness and hygiene requirements – and re-thought cleanroom cleaning. In the meantime, the result of this has become the benchmark for our industry: highly effective, easy-to-use mopping and wipe systems for manual cleaning and disinfection. Our solutions are used in all types of cleanrooms and a wide variety of high-tech industries. Day after day, proven a million times over.

Today, we develop solutions under our renowned brands PurMop® and PurWipe®, which we supply to cleanroom operators in over 70 countries worldwide. And, of course, to you. With this brochure, we offer you product suggestions for the optimal cleaning of your cleanroom environment.

WE ENSURE THE

SAFETY OF YOUR PRODUCTION

With Benchmark Solutions for Optimal Cleanroom Hygiene in Pharma & Biotech

By way of introduction, we refer to the following basic information on cleanroom operations and the descriptions of best practice in cleanroom hygiene:

- _ GMP Guideline, especially Annex 1.
- _ VDI guideline 2083, e. g. sheet 9.2 for consumables
- _ Pharmaceuticals Act § 13
- _ ISO 14644-1

In addition, some further explanations:

Materials which are brought into the cleanroom should not themselves be a source of contamination, they should have a high cleanroom suitability and cleanliness level.

All procedures should be defined in a written program (SOP). Personnel must be trained on a regular basis. Products which are ready presaturated with disinfectant offer significant handling advantages. Manual impregnation is no longer

necessary (for mops by trolley, for wipes by spraying) and each textile is evenly and correctly saturated.

For critical GMP A/B areas (workbenches / isolators) products are recommended that have an extremely low particle emission level. As a rule, this can only be achieved by pre-laundering. Nonwoven wipes are not prewashed and should therefore not be used in GMP A/B areas. All products that are introduced into A/B areas must be sterile. This applies in particular also to cleaning and disinfection fluids.

Hydroflex has specifically developed a product range which meets the requirements for use in these areas – combining excellent performance with maximum cleanroom suitability.

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RABS, ISOLATORS, LAF WORKBENCHES

Critical sterile areas must be disinfected at least once before and after every operation, and usually also in intermediate steps. The agent of choice here is 70% alcohol with 30% pharma water. Regular sporidical disinfection is also important. For areas that are hard to reach, the use of specialty tools (ICT-system) is helpful.

PurMop®
ICT-SERIES
Stainless Steel | Aluminium

Isolator Cleaning Tool

PurMop® ICT is a special and compact cleaning tool for plants, isolators, RABS* and workbenches in GMP A/B areas. The tool consists of handle, frame, and disposable mop.

- Flexible stainless steel tool, durable and autoclavable
- Ideal for cleaning of hard-to-reach areas like workbenches and isolators
- Sterile and high-performance mop covers



ICT2050**
FIXED ISOLATOR CLEANING SYSTEM |
STAINLESS STEEL

- Set, consisting of:
- 1 piece | SEP50 stainless steel handle, 50 cm | 20" fixed
 - 1 piece | MEP20 stainless steel frame, 20 cm | 8"
 - Robust design, easy to clean
 - Autoclavable, suitable for sterile cleanrooms
 - Handle grip for ergonomic cleaning
 - Quick-change clip system

Item no. 2131015

Optimal for **GMP A/B**

ICT2080**
TELESCOPIC ISOLATOR CLEANING SYSTEM |
STAINLESS STEEL

- Set, consisting of:
- 1 piece | SET2040 stainless steel telescopic handle, 48 - 81 cm | 19 - 32"
 - 1 piece | MEP20 stainless steel frame, 20 cm | 8"
 - Robust design, easy to clean
 - Autoclavable, suitable for sterile cleanrooms
 - Handle grip for ergonomic cleaning
 - Quick-change clip system

Item no. 2131024

Optimal for **GMP A/B**

* RABS: Restricted Access Barrier Systems
**Aluminium version also available (ICTA2050, ICTA2080)

PurMop® ICT Disposable Mops

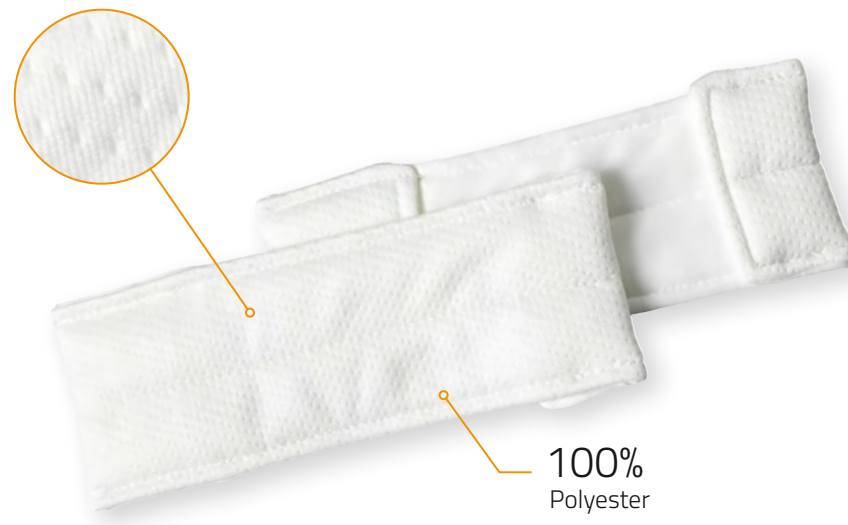
PurMop® ICT disposable mops are used in combination with the ICT cleaning tool as an innovative alternative to wipes. ICT mops guarantee best accessibility to hard-to-reach areas due to highest user safety.

PurMop® EC 20-S

Disposable Cleanroom
Mop for ICT

Polyester Knit

- High-quality and multiple material layers for high cleaning performance
- Suitable for glass and stainless steel surfaces
- Low particle emission for usage in GMP A/B areas
- Design allows to reach corners optimally



EC20-S [STERILE]

- Size: 20 cm | 8"
- Packing:
2 mops / pack
50 packs / carton
[100 mops]

Item no. 2111111

Optimal for **GMP A/B**

PurMop®

EC 20-SV II

Disposable Cleanroom
Mop for ICT | Presaturated

Polyester Knit

- Ready-to-use, presaturated with isopropanol 65% / ethanol 5% / pharma water 30%
- High-quality and multiple material layers for high efficiency
- Suitable for glass and stainless steel surfaces
- Low particle emission for usage in GMP A/B areas

Easy-tear
foil pack



EC20-SV II [STERILE]

- Presaturated with:
isopropanol 65% / ethanol 5% /
pharma water 30%
- Size: 20 cm | 8"
- Packing:
2 mops / pack
20 packs / carton
[40 mops]

Item no. 2111148

Optimal for **GMP A/B**

PurWipe® Cleanroom Wipes

Our knitted cleanroom wipers from the PurWipe® K-Series are essential for the safe cleaning and disinfection of critical surfaces. They are characterized by an ultralow particle release due to the strict clean-manufacturing and decontamination processes. To save time and enhance user safety, we recommend our PurWipe® V-Series – these premium wipers are delivered presaturated and ready for use.

PurWipe®

V4

Presaturated
Cleanroom Wipe

Polyester Knit

→ FAQ | p. 27

- 100% polyester knit – decontaminated to the highest level
- Heat sealed edges, low particle emission and high purity
- High impregnation rate for effective disinfection
- Presaturated, singularly removeable, resealable pouch

Use biocidal products safely. Always read the label and product information before use!*

Wipe model:
K1-Series



V4-209-S II [STERILE]

- Presaturated with:
isopropanol 65% / ethanol 5% /
pharma water 30%
- Size: 23 x 23 cm | 9 x 9"
- Edges: heat sealed
- Packing:
20 wipes / bag
5 bags / pack
6 packs / carton
[600 wipes]

Item no. 2186205

Optimal for **GMP A/B**

V4-212-S II [STERILE]

- Presaturated with:
isopropanol 65% / ethanol 5% /
pharma water 30%
- Size: 30 x 30 cm | 12 x 12"
- Edges: heat sealed
- Packing:
20 wipes / bag
5 bags / pack
6 packs / carton
[600 wipes]

Item no. 2186207

Optimal for **GMP A/B**

PurWipe®

V3

Presaturated
Cleanroom Wipe

Polyester-Polyamide-
Microfiber Nonwoven

- Ready-to-use: Presaturated in a resealed bag
- Exceptionally high tear-resistance
- 100% synthetic material (cellulose free)
- Excellent cleaning ability due to microfiber
- Particularly good particle pick-up
- High purity
- Individually removable at any time

Use biocidal products safely. Always read the label and product information before use!*

Wipe model:
N2-Series



- Presaturated with:
isopropanol 65% / ethanol 5% /
pharma water 30%
- Edges: cut

V3-109-S II [STERILE]

- Size: 23 x 23 cm | 9 x 9"

Item no. 2186201

Optimal for **GMP A/B**

- Packing:
30 wipes / bag
5 bags / pack
4 packs / carton [600 wipes]

V3-112-S II [STERILE]

- Size: 30 x 30 cm | 12 x 12"

Item no. 2186203

Optimal for **GMP A/B**

PurWipe®

K1

Cleanroom Wipe

Polyester Knit

- 100% polyester knit – decontaminated for lowest particle emission
- Robust polyester double knit for high absorbency and good particle pick up
- Heat sealed edges for high purity

K1-209-S [STERILE]

- Size: 23 x 23 cm | 9 x 9"
- Edges: heat sealed
- Packing: 10 wipes / bag, 10 bags / pack
10 packs / carton
[1.000 wipes]

Item no. 2183203

Optimal for GMP A/B

PurWipe®

K4

Cleanroom Wipe

2-ply Polyester Knit

- 2-ply bonded polyester, double knit
- High absorption capacity
- Low particle emission, decontaminated
- Suitable for rough surfaces, machines, equipment

K4-309-S [STERILE]

- Size: 23 x 23 cm | 9 x 9"
- Edges: ultrasonic sealed
- Packing: 5 wipes / bag, 10 bags / pack
10 packs / carton
[500 wipes]

Item no. 2183601

Optimal for GMP A/B



PurWipe®

N2 VP

Cleanroom Wipe

Fillpack (ready for self-filling)

Polyester-Polyamide-Microfiber
Nonwoven

- Ready for saturation with the fluid of your choice
- Pouch with lid (fillpack)
- Fully synthetic microfiber nonwoven material
- The pouch and the wipes are compatible with a wide range of common cleanroom bactericides, sporicides, and detergents
- Ensures reduction of VOC by avoiding spraying of liquids
- Maximum cleaning efficiency through fine microfiber construction

N2-109-S VP [STERILE]

- Size: 23 x 23 cm | 9 x 9"
- Edges: cut
- Packing: 40 wipes / bag
5 bags / pack
8 packs / carton
[1.600 wipes]

Item no. 2183508

Optimal for GMP A/B

→ N2-Wipe (dry) | p. 25

Application Video
| YouTube



FLOORS, WALLS, CEILINGS

FULLY
AUTOCLAVABLE

Professional and continuous cleaning and disinfection are an essential part of best practice cleanroom hygiene. In addition to the required materials such as mops and wipes, the selection of the appropriate cleaning system also plays an important role. Especially for small sterile GMP areas, PurMop® offers space-saving and practical solutions that ensure safe and effective results.

Ergonomic, versatile, GMP compliant: PurMop® Cleaning Trolleys

PurMop® **PREPARE**

Presaturation System

Stainless Steel

The PREPARE stainless steel presaturation system is an ultra-compact and mobile bucket system for presaturating mops and has a 2-bucket design. By pouring cleaning / disinfecting fluid over the mops in the bucket, these can be quickly and easily saturated before usage in the cleanroom. While one bucket is for the storage of fresh mops, the other is designed to hold the discarded, used mops.



PREPARE ULTRA-COMPACT PRESATURATION SYSTEM

- 2 x 8.5 l buckets with handles
- Stainless steel sieve for fluid dosage
- Stainless steel mop carrier for easy pickup of the mops
- Easy saturation by pouring from the top
- Dimensions (L x W x H): 53 x 32 x 31 cm | 21 x 13 x 12"
- Weight: 8 kg | 18 lbs

Item no. 2124001

Optimal for GMP A/B

PurMop® **2.0 ERGO-S 205-F**

Foldable Cleanroom Cleaning System
with Dosing Unit and Foldable Handle

Stainless Steel

Compact, touchless cleanroom cleaning system with stainless steel buckets and foldable handle. In combination with our user-friendly accessories and a selection of our PurMop® disposable or reusable mops, this system combines ergonomic handling with a durable, cleanroom suitable design. The innovative mop wetting device guarantees reproducible results and avoids excess fluid.



Foldable
handle – for
adjustment to
any body size
& easy storage!

2.0 ERGO-S 205-F FOLDABLE CLEANROOM CLEANING SYSTEM WITH DOSING UNIT AND FOLDABLE HANDLE

- 1 stainless steel bucket 18 l with mop carrier (front | for new mops)
- 1 stainless steel bucket 18 l with mop wetting device (centered | for fluid)
- Bag holder with clips for MB18-R/S (centered | for mop discard)
- Mop discarding mechanism
- Handle holder (rear)
- Dimensions (L x W x H): 65 x 70 x 94 cm | 26 x 28 x 37"
- Height (folded handle): 72 cm | 28"
- Weight: 20 kg | 44 lbs

Item no. 2123030

Optimal for GMP A/B

PurMop® Handles & Frames

Smooth, polished stainless steel surfaces ensure maximum GMP conformity and long-term resistance against steam sterilization. Designed for touch free handling, with modular and screwless connections, PurMop® equipment ensures optimal ergonomics in cleanroom cleaning.

PurMop® MOP HANDLES

Stainless Steel



SEP140
HANDLE | FIXED

- Autoclavable, suitable for sterile cleanrooms
- Quick change system
- With ergonomic handle grip
- Length: 142 cm | 56" (fixed)

Item no. 2131003

Optimal for **GMP A/B**

SET2070
TELESCOPIC HANDLE | MEDIUM LENGTH

- Autoclavable, suitable for sterile cleanrooms
- Quick change system
- With ergonomic handle grip
- Length: 77 cm - 145 cm | 30 - 57" (stepless adjustable)

Item no. 2131006

Optimal for **GMP A/B**

SET2100
TELESCOPIC HANDLE | LONG

- Autoclavable, suitable for sterile cleanrooms
- Quick change system
- With ergonomic handle grip
- Length: 107 cm - 205 cm | 42 - 81" (stepless adjustable)

Item no. 2131005

Optimal for **GMP A/B**

PurMop® MOP FRAMES

Stainless Steel



KEK40 / KEK40 Light
MOP FRAME | FOLDABLE

- Autoclavable and disinfectant resistant
- Quick change system
- Lockable for cleaning of walls and ceilings

Item no. 2151008

Optimal for **GMP A/B**

Suitable with:
PurMop® Mops 40 cm | 16"

For touch free discard with
ERGO / GO System

KEK40 Light:
Like KEK40, but lightweight through material reduction

Item no. 2151014

Optimal for **GMP A/B**

KEU40
MOP FRAME | FOLDABLE

- Autoclavable and disinfectant resistant
- Quick change system
- Suitable with:
PurMop® Mops 40 cm | 16"

Item no. 2151003

Optimal for **GMP A/B**

PurMop® Disposable Mops | E-Series

Our disposable mops are designed for single use in cleanrooms and guarantee maximum performance and safety due to their high-performance microfiber materials. The innovative E-Series is processed under high quality standards under cleanroom conditions and packaged according to cleanroom requirements. All our disposable mops are available in a validated sterile format and are delivered with full certification including Certificate of Irradiation and Certificate Of Analysis.

PurMop® EF 40-S

Disposable Cleanroom Mop
Polyester-Microfiber

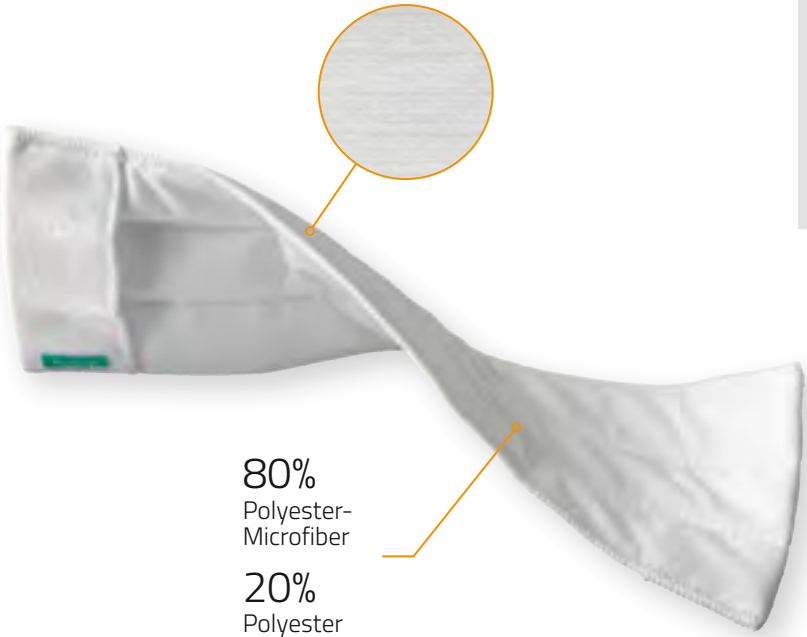
- 3D pile structure for high absorption capacity
- Excellent cleaning ability due to specially developed microfiber technology
- High area performance through multiple fluid absorbing inserts
- Ergonomic handling due to good gliding properties on almost all floor types

EF40-S [STERILE]

- Size: 40 cm | 16"
- Packing:
5 mops / pack
20 packs / carton
[100 mops]

Item no. 2111109

Optimal for **GMP A/B**



PurMop® EFB 40-S

Disposable Cleanroom Mop
Polyester-Microfiber + Scrub Stripes

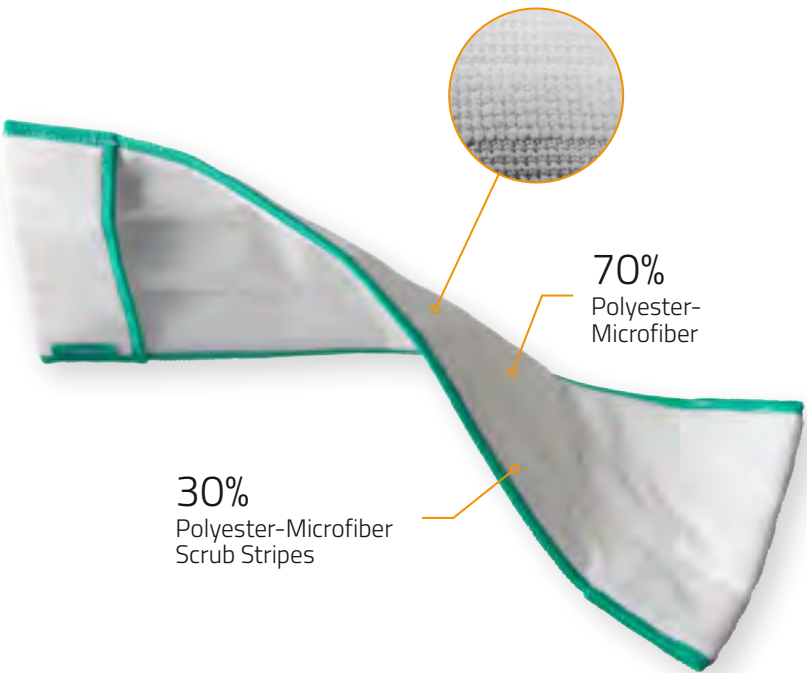
- 3D pile structure for high absorption capacity
- Maximum cleaning efficiency due to alternating microfiber + brush material combination
- High area performance through multiple fluid absorbing inserts
- Excellent gliding properties

EFB40-S [STERILE]

- Size: 40 cm | 16"
- Packing:
5 mops / pack
20 packs / carton
[100 mops]

Item no. 2111118

Optimal for **GMP A/B**



PurMop®

EF 40-SV II

Presaturated Disposable
Cleanroom Mop

Polyester-Microfiber

- Ready-to-use, presaturated with isopropanol 65% / ethanol 5% / pharma water 30%
- Exceptional cleaning performance due to high-tech microfiber
- High area performance due to special fluid reservoir
- Good gliding and handling properties on most flooring types
- Also suitable for glass and stainless steel surfaces

EF40-SV II [STERILE]

- Presaturated with isopropanol 65% / ethanol 5% / pharma water 30%
- Size: 40 cm | 16"
- Packing: 4 mops / pack 14 packs / carton [56 mops]

Item no. 2111149

Optimal for GMP A/B

EF40-SV-2P II [STERILE]

- Presaturated with isopropanol 65% / ethanol 5% / pharma water 30%
- Size: 40 cm | 16"
- Packing: 2 mops / pack 25 packs / carton [50 mops]

Item no. 2111150

Optimal for GMP A/B

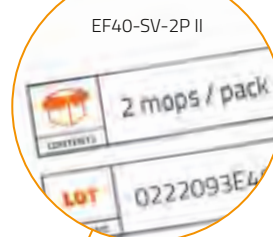
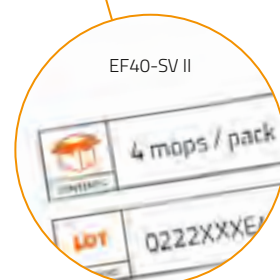
**Use biocidal products safely.
Always read the label and product
information before use!***

**Biocidal products are available in
selected countries only. Please
contact us for more information.**

65%
isopropanol

5%
ethanol

30%
pharma water



PurMop® Presaturated Disposable Cleanroom Mops | V-Series

PurMop® V-Series: The fastest and safest way to clean a cleanroom! With our Ready-2-Use presaturated disposable mops, we offer an innovative solution that makes cleanroom cleaning considerably easier, especially in small areas. With this innovative solution, there is no need for a trolley system, no preparation time, and no risk of a wrong fluid mixture.

- Microfiber mops with high cleaning performance
- Delivered presaturated and ready-to-use
- Enables super quick and flexible usage
- Correct fluid level in each mop
- Particularly suitable for small cleanrooms
- Can be used without additional cleaning trolley

Sterile areas

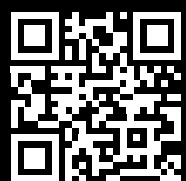
Floors | walls | ceilings

→ FAQ | p.27

PurMop®

BLACK IS THE NEW CLEAN

The PurMop BLACK® Performance Line stands for user-friendliness and excellent cleaning results. It combines ultra-light carbon fiber with innovative functions.



Find out all the details at purmop-black.com
or request the PurMop BLACK®
product brochure.

**NEW!
MOP SYSTEMS
MADE OF
CARBON FIBER**

BLACK Performance Line



PurMop BLACK® C1 Carbon Fiber Mop System



reddot winner 2024



CLEANROOM GOGGLES

PurGuard
EV-100/101
Disposable Goggles

- Soft and comfortable frame material
- Robust lens material, resistant to disinfectants
- Direct/indirect ventilation at the top/bottom
- Adjustable silicone headband, latex-free
- CE certified

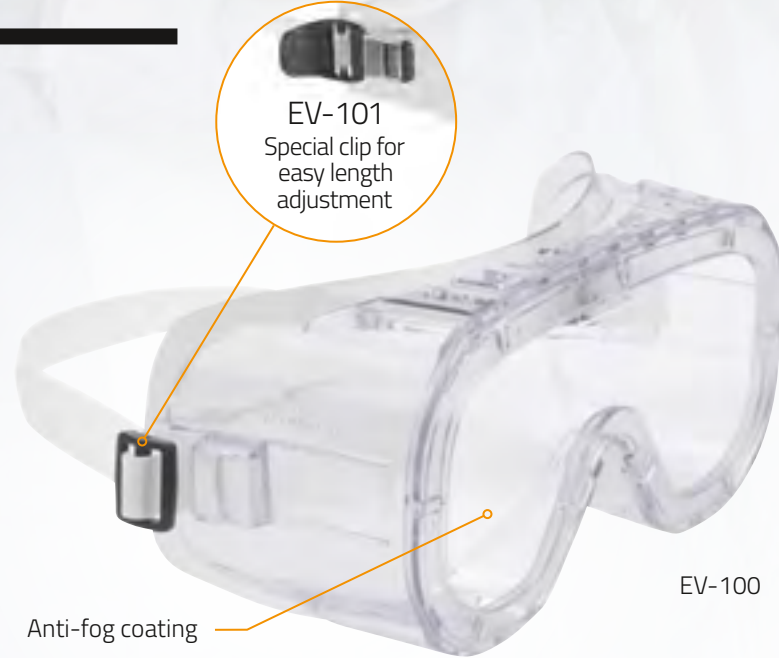
EV-100 / EV-101 [STERILE]

- Size: one size
- PVC frame, coated PC lens, silicone headband
- EO (Ethylene Oxide) sterilized, due to ISO 11135
- packing: 1 pair of goggles / pouch 10 pouches / pack 5 packs / carton [50 goggles]

Item no. 2961004
Optimal for GMP A/B

EV-101: Special clip for easy length adjustment of the headband

Item no. 2961005
Optimal for GMP A/B



PurGuard
SV-801-AF
Reusable Goggles

- Very soft and comfortable frame material, adjustable silicone headband
- Side buckle for easy adjustment of the headband
- Robust lens material, resistant to disinfectants
- Indirect or direct ventilation possible: with or without ventilation clips
- Fully autoclavable, CE certified

SV-801-AF

- Size: one size
- Frame made of thermoplastic rubber, coated polycarbonate lens
- Silicone headband, latex-free
- Anti-fog coating



Packing: 1 pair of goggles / bag 10 bags / box [SU = 10 goggles] 10 boxes / carton [100 goggles]

Item no. 2962008
Optimal for GMP A/B

PurGuard
SV-900-AF
Reusable Goggles

- Panoramic lens for wide, unobstructed vision
- Very soft and comfortable frame material
- Robust lens material, resistant to disinfectants
- Special ventilation concept
- Suitable for wear over prescription glasses
- Fully autoclavable, CE certified

SV-900-AF

- Size: one size
- Frame made of thermoplastic rubber, coated polycarbonate lens
- Silicone headband, latex-free
- Anti-fog coating



Packing: 1 pair of goggles / bag 10 bags / box [SU = 10 goggles] 10 boxes / carton [100 goggles]

Item no. 2962011
Optimal for GMP A/B

FLOORS, WALLS, CEILINGS

Touching used mop covers and contaminated cleaning equipment such as mop frames poses a high risk of spreading contamination within a cleanroom. PurMop® ERGO trolleys enable a completely touch-free handling in just three steps: 1. pick-up, 2. dosing, and 3. mop discarding.

GOOD TO
KNOW



The ERGO Principle
→ p. 26

The PurMop® ERGO-System – Clever Cleanroom Cleaning



Touchless Performance
Completely touchless handling of the mopping process in just three steps.



Reproducible Processes thanks to an innovative wetting system which enables the application of a defined amount of liquid (detergents / disinfectants) onto the mop in one single step.



Advanced ERGOmics requires the least user effort, eliminates the need for bending down or lifting heavy buckets.



2.0 ERGO-S 230 CLEANROOM CLEANING SYSTEM WITH DOSING UNIT

- 1 stainless steel bucket 18 l with mop carrier (front | for new mops)
- 1 stainless steel bucket 18 l with mop wetting device (center | for fluid)
- 1 stainless steel bucket 18 l (rear | for mop discarding)
- 2 stainless steel buckets each 5 l (above | for storage)
- Stainless steel discarding mechanism
- Handle holder (side) and waste bag holder (rear)
- Dimensions (LxWxH)*: 65 x 70 x 102 cm | 26 x 28 x 40"
- Weight: 27 kg | 60 lbs

Item no. 2123022

Optimal for **GMP A/B**



2.0 ERGO 230 CLEANROOM CLEANING SYSTEM WITH DOSING UNIT

- 1 plastic bucket 18 l with mop carrier (front | for new mops)
- 1 plastic bucket 18 l with mop wetting device (center | for fluid)
- 1 plastic bucket 18 l (rear | for mop discarding)
- 2 plastic buckets each 6 l (above | for storage)
- Stainless steel discarding mechanism
- Handle holder (side) and waste bag holder (rear)
- Dimensions (LxWxH)*: 65 x 70 x 105 cm | 26 x 28 x 41"
- Weight: 18 kg | 40 lbs

Item no. 2123016

Optimal for **GMP C+D**

*assembled sizes

PurMop® Handles & Frames

Smooth, polished stainless steel surfaces ensure GMP conformity and long-term resistance against steam sterilization. The PurMop® plastic accessories are distinguished by their low weight and excellent user ergonomics. With their simple, largely touchless handling, clever quick-connect system, and full modularity, the PurMop® cleaning accessories set standards in cleanroom cleaning.

PurMop® MOP HANDLES

Stainless Steel | Plastic



- SEP140**
FIXED HANDLE
STAINLESS STEEL
- Autoclavable, suitable for sterile cleanrooms
 - Handle grip for ergonomic cleaning
 - Quick-change system
 - Length: 142 cm | 56" (fixed)

Item no. 2131003
Optimal for **GMP A/B**

- SET2070**
TELESCOPIC HANDLE
MEDIUM LENGTH
STAINLESS STEEL
- Autoclavable, suitable for sterile cleanrooms
 - Handle grip for ergonomic cleaning
 - Quick-change system
 - Length: 77 cm - 145 cm | 30 - 57" (adjustable)

Item no. 2131006
Optimal for **GMP A/B**

- SET2100**
TELESCOPIC HANDLE
LONG
STAINLESS STEEL
- Autoclavable, suitable for sterile cleanrooms
 - Handle grip for ergonomic cleaning
 - Quick-change system
 - Length: 107 cm - 205 cm | 42 - 81" (adjustable)

Item no. 2131005
Optimal for **GMP A/B**

- SAK170**
TELESCOPIC HANDLE
MEDIUM LENGTH
PLASTIC
- Quick-change system
 - Easy length adjustment by the push of a button
 - Disinfectant resistant
 - Length: 115 cm - 173 cm | 45 - 68"

Item no. 2131007
Optimal for **GMP C+D**

PurMop® MOP FRAMES

Stainless Steel | Plastic



- KEK40**
FOLDABLE MOP FRAME | STAINLESS STEEL
- Autoclavable, suitable for sterile cleanrooms
 - Quick-change system
 - Can be locked for overhead cleaning
- Compatible with:
PurMop® 40 cm mops | 16"
Compatible with PurMop® stainless steel handles

Item no. 2151008
Optimal for **GMP A/B**

➔ KEK40 Light | p. 12

- KKV40**
FOLDABLE MOP FRAME | PLASTIC
- Quick-change system
 - Disinfectant resistant
 - Smooth, easy to clean plastic
 - Can be locked for overhead cleaning
- Compatible with:
PurMop® 40 cm mops | 16"
Compatible with handle SAK170

Item no. 2151005
Optimal for **GMP C+D**

PurMop® Cleanroom Mops

The mop head is the centerpiece of every cleanroom mopping system. Its task is to effectively remove surface contamination as well as to evenly distribute disinfectant solution. Cleanroom mops should be easy to handle, clean and cleanroom suitable at every usage, while still being cost-effective. PurMop® disposable mops combine all of these features perfectly.

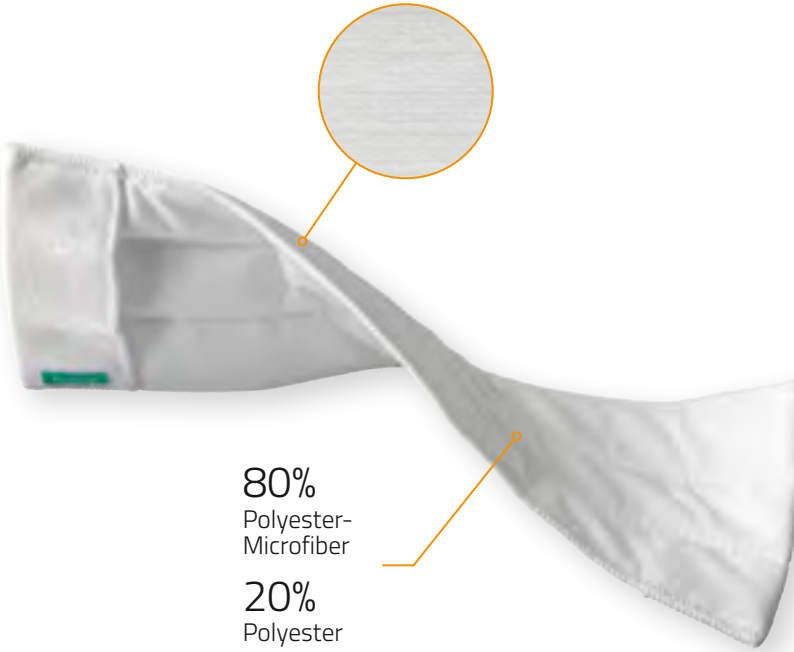
PurMop® EF 40

Disposable Cleanroom Mop
Polyester-Microfiber

- 3D cleaning material for enhanced performance
- Exceptional cleaning performance due to high-tech microfiber
- High surface coverage due to integrated fluid reservoir
- Good gliding and handling properties on most flooring types

- EF40**
- Size: 40 cm | 16"
 - Packing:
5 mops / pack
20 packs / carton
[100 mops]

Item no. 2111108
Optimal for **GMP C+D**



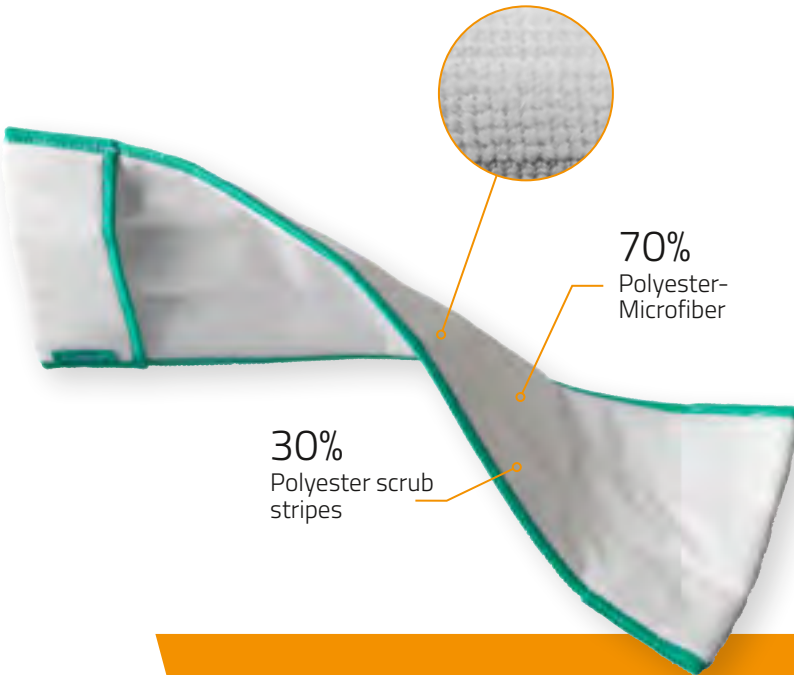
PurMop® EFB 40

Disposable Cleanroom Mop
Polyester-Microfiber + Scrub Stripes

- 3D cleaning material for good particle pick-up
- Polyester scrub stripes for removal of residues
- High-tech microfiber for retention of particles
- Superior gliding and handling properties

- EFB40**
- Size: 40 cm | 16"
 - Packing:
5 mops / pack
20 packs / carton
[100 mops]

Item no. 2111117
Optimal for **GMP C+D**



INCREASED
CLEANING ABILITY

SURFACES

INNOVATION:
THE MOST POWERFUL
OF ITS CLASS ►

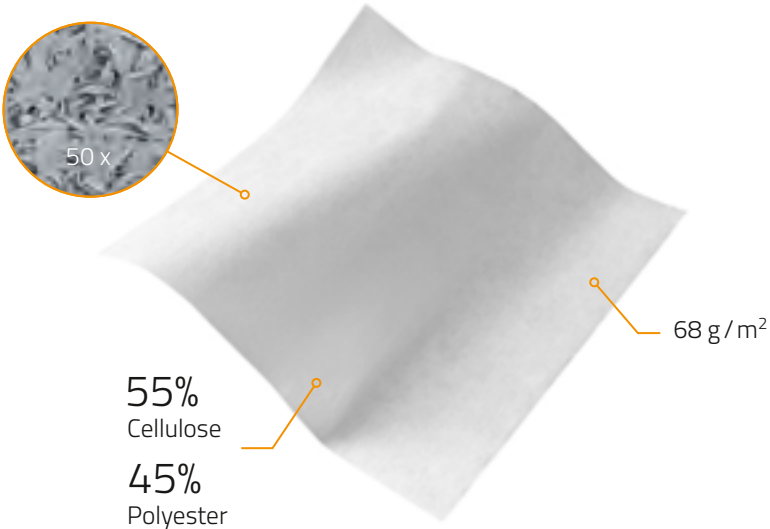
In a cleanroom, only wipes that are specifically designed for this application and do not themselves become a source of contamination (particulate or microbial) should be used. The intended purpose (cleaning or absorption) is imperative for the choice of the optimal wipe model. In the case of disinfection applications, presaturated wipes have major handling advantages over dry wipes: Time and effort savings, avoidance of spray mist, higher efficiency, and always correct impregnation.

PurWipe® Nonwoven Wipes | N-Series

PurWipe® N-Series cleanroom wipes consist of cleanroom suitable nonwoven materials and are suitable for a wide range of applications – from disinfection to surface cleaning. They are primarily designed to be used in cleanrooms with lower classification and non-sterile areas.

PurWipe®
N1
Cleanroom Wipe
Polyester-Cellulose Nonwoven

- High quality, hydroentangled nonwoven material
- Highly absorbent material
- Suited for disinfection of smooth surfaces and liquid absorption
- Recommended for general cleaning tasks in lower certified cleanrooms



- N1-109**
- Size: 23 x 23 cm | 9 x 9"
 - Edges: cut
 - Packing: 300 wipes/ pack
10 packs / carton
[3.000 wipes]

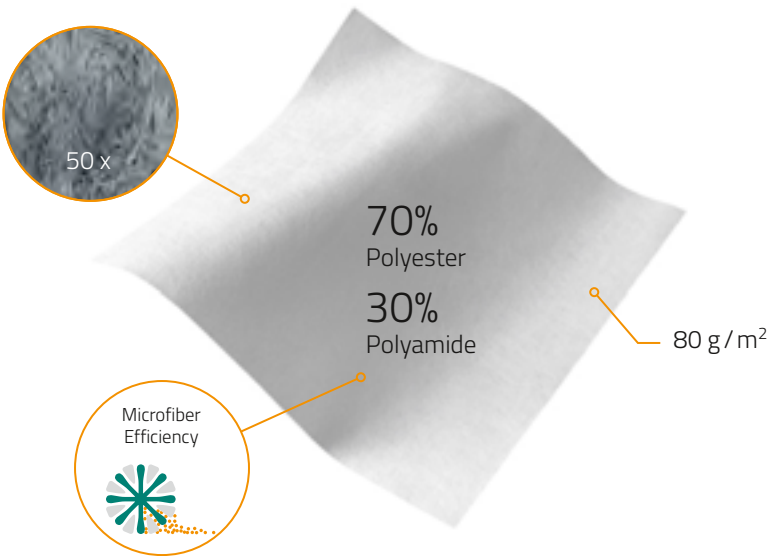
Item no. 2183100
Optimal for **GMP D**

- N1-112**
- Size: 30 x 30 cm | 12 x 12"
 - Edges: cut
 - Packing: 300 wipes/ pack
10 packs / carton
[3.000 wipes]

Item no. 2183102
Optimal for **GMP D**

PurWipe®
N2
Cleanroom Wipe
Polyester-Polyamide-Microfiber Nonwoven

- Highly durable and tear resistant material
- 100% synthetic microfiber nonwoven material (free of cellulose and natural fibers)
- High absorbency and excellent cleaning efficiency
- Enormously tear-resistant, therefore particularly suitable on stainless steel
- Optimal removal of particles and contamination of almost any kind, even sticky substances



- N2-109**
- Size: 23 x 23 cm | 9 x 9"
 - Edges: cut
 - Packing: 100 wipes/ pack
20 packs / carton
[2.000 wipes]

Item no. 2183500
Optimal for **GMP C+D**

- N2-112**
- Size: 30 x 30 cm | 12 x 12"
 - Edges: cut
 - Packing: 100 wipes/ pack
20 packs / carton
[2.000 wipes]

Item no. 2183502
Optimal for **GMP C+D**

PurMop® ERGO

1. What is so special about the ERGO Cleaning System?

PurMop® ERGO enables a completely touch-free mopping process in just 3 steps:

1

**MOP PICK UP**

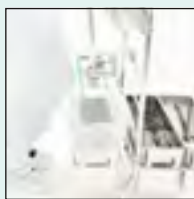
The mop carrier enables a fresh mop to be picked up without hand contact.

2

**DOSING**

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

3

**MOP DISCARD**

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

**WIPING**

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

The operator does not have any manual contact with fresh or used mops or the mop frame at any time. In addition, all steps are carried out in a standing position, which meets ergonomic requirements.



PurMop® 2.0 ERGO-S User Video:
www.youtube.com/HydroflexEN

2. What's the Difference between a Wringer System and ERGO?

With a wringer system, the impregnation level of the mop is strongly user-dependent and therefore cannot be validated. With the ERGO system, the mop is impregnated by means of a dosing unit and a dosing plate with a defined quantity of liquid. The impregnation is identical at every usage, for every user.

3. How is it possible to save Disinfectant with the ERGO System?**Wringer System (two / three buckets system):**

The mop is completely soaked by submerging it into the fluid. After this, up to 50% of the absorbed liquid is wrung out and disposed of unused.

Pre-Preparation / Box Systems:

Mops are highly saturated, with a high residual liquid remaining in the mop after use. In addition, it is almost impossible to ensure an even distribution of the liquid between all mops in the box, as they are stacked above each other.

With the **ERGO cleaning system**, the mop only absorbs the necessary liquid that is need for cleaning or disinfection. This can be individually defined.

PurWipe® V4

1. What is special about the Production Process of PurWipe® V4?

V4 is manufactured in a cleanroom environment from the first step and undergoes multiple decontamination processes with 0,1 µm filtered water. After washing, it is dried in an ISO 5 class dryer and is tested extensively before being further processed. It is then saturated precisely with isopropanol 65% / ethanol 5% / pharma water 30%, and in some cases, sterilized. V4 is the perfect wiper for highest requirements in GMP A/B environments.

2. Is the Wipe BPR*-conform?

The liquid isopropanol 65% / ethanol 5% / pharma water 30% is registered according to the current national regulation in various countries. It is BAuA** approved. Please contact us for information if you are in a European country.

3. For which Cleanroom Classes is the Wipe Suitable?

We recommend the usage in GMP class A/B. In these critical areas no compromises should be made regarding the quality and the purity of the wipe.

PurMop® EF40-SV II

1. What are the Advantages of the Presaturated Mops?

PurMop® EF40-SV II is presaturated and ready-to-use. There is no need for a trolley system for presaturation. Furthermore, every mop is presaturated with the correct amount of liquid. Therefore, the usage of the Ready-To-Use mops is time saving and enables an easy and validatable process. The EF40-SV II convinces with his high cleaning ability and reliable disinfection.

2. Are Presaturated Mops more Expensive than Dry Ones?

The overall cost is at the same level if the overall costs for sterile mops and sterile (ready-to-use) disinfectant is considered. Additionally, working time and more tedious preparation work can be saved.

3. Which Areas is the EF40-SV II Recommended for?

In particular, we recommend the mop for daily routine in sterile GMP A/B clean-rooms and for intermediate cleaning and disinfection requirements.

4. Do the Mops Conform to BPR?

The liquid isopropanol 65% / ethanol 5% / pharma water 30% is registered according to the current national regulation. It is BAuA approved. Please contact us for information if you are in a European country.

*Biocidal Products Regulation

**Bundesanstalt für Arbeitsschutz und Arbeitsmedizin



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