



Critical Environment Solutions Ltd

Cleanroom & Critical Control Mopping Systems Catalogue 2010



Servicing **Critical Environments** to a **Higher Standard**

Controlled Environment Mopping Systems



The principal of cleaning a cleanroom or controlled area is quite straightforward however the criteria and methods applied can vary considerably from one application to another. The Micronova range of mops and accessories will help maintain a stringent level of cleanliness and the different mop designs and materials available will meet the demands of any industry or environment concerned with controlling contamination. The unique designs and flexibility of a Micronova system means that there will be a mop for cleaning any area and extended use will be achieved due to the robust construction and quality of materials used.

Selecting a suitable Mop and System

Each different mop style has been designed for specific cleaning tasks such as floors, walls, ceilings, for equipment or a combination of those. Once the preferred mop design has been chosen a decision should then be made on the most suitable fabric from those available. Each fabric offers attributes unique to itself such as chemical resistance, durability and sterilisation properties. Some mop heads are available in a combination of materials such as polyester covered foam or PolyGen (textured polyester). The various mop heads are, in most cases, utilised with an adapter which then attaches to a choice of stainless steel handles. Wherever required a bucket and wringer mechanism can then be selected.



- Polygen :** 100% Polyester Herringbone Weave provides greater wicking. Can be used with strong disinfectants. Autoclavable.
- NovaPoly:** 100% polyester. Can be used with strong disinfectants. This material is autoclavable and can be gamma irradiated.
- MicroFiber:** 80% polyester, 20% polyamide. 400% absorbency. Can be used with strong disinfectants. This material is autoclavable and can be gamma irradiated.
- MegaTex:** Non-woven Polyamide textured thermo bonded surface. Can be used with strong disinfectants. This material is autoclavable and can be gamma irradiated.

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Floor and Wall Cleaning



SlimLine Mop Adapter (QDSL, QPSL)

A flat-head mop adapter for use with the Slimline SLSC and SLP series of slip covers. Electropolished stainless steel frame available in three sizes 9", 14" and 18". All frames fit in the SlimLine and SlimT bucket systems and attach to SSU series of handles. Also available in lightweight plastic QPSL - both autoclavable.

SlimLine Mop Adapter	Mop Adapter 9", 14" or 18" - Steel	QDSL-9, 14 & 18
SlimLine Mop Adapter	Mop Adapter 9", 14" or 18" - Plastic	QPSL-9, 14 & 18
NovaPoly Cover	Slip Cover 9", 14" or 18"	SLSC6-9, & 18
NovaPoly Cover Sterile	Slip Cover 9", 14" or 18" Irradiated	SLSC6-9, & 18R
Novapoly/Megatex Cover	Slip Cover 9", 14" or 18"	SLSC620-9, 14 & 18
Novapoly/MicroFiber Cover	Slip Cover 9", 14" or 18"	SLSC6AA-9, 14 & 18

DryMop (Use with adapter QDSL, QPSL)

The DryMop is a design based upon the popular SlimLine series and is constructed of NovaPoly Polyester with a choice of either PVA or NovaLite on the bottom for exceptional drying capabilities. Because the DryMop covers fit on the SlimLine mop head frame it can be used to clean hard to reach areas and no separate wringer is required. In a choice of widths and an **irradiated** version.



NovaPoly/PVA Cover	Slip Cover 9", 14" or 18"	DM61-9, 14 & 18
NovaPoly/PVA Cover Irradiated	Slip Cover 9", 14" or 18" Irradiated	DM61-9, 14 & 18R
NovaPoly/NovaLite Cover	Slip Cover 9", 14" or 18"	DM62-9, 14 & 18
NovaPoly/NovaLite Cover Irradiated	Slip Cover 9", 14" or 18" Irradiated	DM62-9, 14 & 18R

PadMop (Use with adapter QDSL, QPSL)

This covered sponge mop is designed to apply the optimum amount of disinfectant in a pharmaceutical production or aseptic processing area. The brick style mop fits onto the SlimLine QDSL adapters creating a fully padded mop head to cope with large surface areas as well as shelving, door jambs and corners. Three lengths available, 9", 14" and 18". The absorbent foam interior retains liquid well. When pressure is applied the moisture is released to fully saturate the surface to be disinfected. The Pad Mop can be used to disinfect most large surfaces in a production area. Also available Gamma Irradiated.

NovaPoly PadMop Cover	Slip Cover 9", 14" or 18"	SLP6-9, 14 & 18
NovaPoly PadMop Cover Irradiated	Slip Cover 9", 14" or 18" Irradiated	SLP6-9, 14 & 18R
NovaPoly/Megatex Cover	Slip Cover 9", 14" or 18"	SLP620-9, 14 & 18
NovaPoly/MicroFiber	Slip Cover 9", 14" or 18"	SLP6AA-9, 14 & 18

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Specialised Cleaning

T Mop (use with adapter QDT or QDST)

- For Isolators, ceilings and awkward corners

The T Mop is a low profile mopping system that is available with a range of slip covers and a choice of three sizes together with irradiated versions. The wide surface makes the T Mop ideal for general cleaning and applying disinfectants. The swivel allows it to reach awkward areas, on shelving and in narrow chambers. All of the covers slip onto the adapter which then attaches to one of the stainless steel handles available.



T-Mop Adapter	Mop Adapter 10", 14" or 18"	QDT-10, 14 & 18
Square T-Mop Adapter	Mop Adapter 10", 14" or 18"	QDST-10,14 & 18
T-Mop Cover PVA	Slipcover 10", 14" or 18"	T1-10, 14 & 18
T-Mop Cover NovaLite	Slipcover 10", 14" or 18"	T2-10, 14 & 18
T-Mop Cover NovaPoly	Slipcover 10", 14" or 18"	T6-10, 14 & 18
T-Mop Cover NovaPoly Irradiated	Slipcover 10", 14" or 18" Irradiated	T6-10, 14 & 18R
T-Mop Cover NovaPoly, Thick Foam	Slipcover 10", 14" or 18"	T612-10, 14 & 18
T-Mop Cover Megatex, Thick Foam	Slipcover 10", 14" or 18"	T2012-10, 14 & 18
T-Mop Cover MicroFiber	Slipcover 10", 14" or 18"	TAA-10, 14 & 18

Pillomop (use with adapter QDPH) - For Any Flat Surfaces

The PilloMop is a flat head mop which attaches to the adapter with the incorporated Velcro strips. The head easily moves up and down and from side to side making it ideal for reaching awkward corners or the inside of isolator units. Available in the three materials and a disposable slip cover version for areas where frequent head changes may be required.

The PilloMops can be used in conjunction with a wringer however this is not essential. A downward pressing motion or removing the head and wringing by hand are also effective at removing excess liquid.



PilloMop Adapter	Mop Adapter 9" x 5"	QDPH-1
PilloMop PVA	Mop Head	PM-1
PilloMop NovaLite	Mop Head	PM-2
PilloMop NovaPoly	Mop Head	PM-6
PilloMop NovaPoly	Mop Head	PM-648
PilloMop NovaPoly Cover	Slipcover	PMC-648

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Special Tools & Accessories



Isolator Tool - For Awkward Areas

Designed on the principal of the T Mop the Isolator tool is an ultra slim mop which offers the perfect solution to the awkward cleaning inside of cabinets and isolators. The Isolator tool is manufactured from NovaPoly material and available in three widths plus an **irradiated** version.

Isolator Tool Adapter	Mop Adapter 9", 14" or 18"	QDIT-09, 14 & 18
NovaPoly Cover	Slipcover 9", 14" or 18"	ITC6-09, 14 & 18
NovaPoly Cover Irradiated	Slipcover 9", 14" or 18" Irradiated	ITC6-09R, 14R & 18R
NovaPoly/Megatex Cover	Slipcover 9", 14" or 18"	ITC620-09, 14 & 18

MegaSwat & MegaTip - For Awkward Areas Under Equipment

For applications where cleaning under or around heavy process equipment or apparatus both the MegaSwat and MegaTip are designed to reach awkward areas where space is limited.



MegaSwat Adapter	Mop Adapter 2½" x 16" Blade	QDMS-1
MegaSwat Cover PVA	Slipcover	MS-1
MegaSwat Cover NovaLite	Slipcover	MS-2
MegaSwat Cover NovaPoly	Slipcover	MS-6
MegaTip Adapter	Mop Adapter 9" Long	QDMT-1
MegaTip Cover PVA	Slipcover	MT-1
MegaTip Cover NovaLite	Slipcover	MT-2
MegaTip Cover NovaPoly	Slipcover	MT-6
MegaTip Cover NovaPoly Irradiated	Slipcover	MT-6IR



FlexBrush - For Cleaning of Pipe Work, Coving and Deep Tanks

The FlexBrush is a bendable brush with a polyester cover and is designed for the cleaning of awkward areas such as pipe work and coving. Approximately 12" in length.

FlexBrush Adapter	Mop Adapter 12" Long	FB-12
FlexBrush Adapter NovaPoly Cover	Slipcover	FBC-611
FlexBrush Adapter NovaPoly Cover Irradiated	Slipcover	FBC611IR

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Special Tools & Accessories



Curtain cleaner

The Curtain Cleaner is designed for the fast and efficient cleaning of soft wall cleanrooms or enclosures. The spring loaded head clamps the curtains and slides to apply or squeegee both sides of the curtain. Available in various different head cover materials plus an **irradiated** version, all measuring 12" wide.

Curtain Cleaner Handle 24" Length	Handle Adapter	CCH-24
Curtain Cleaner Handle 48" Length	Handle Adapter	CCH-48
PVA Cover	Slipcover	CCSC-1
NovaLite Cover	Slipcover	CCSC-2
NovaPoly Cover	Slipcover	CCSC-6
NovaPoly Cover Irradiated	Slipcover Irradiated	CCSC-6IR
PolyMesh Cover	Slipcover	CCSC-68
Megatex Cover	Slipcover	CCSC-20
MicroFiber Cover	Slipcover	CCSC-AA

NovaSpill

The NovaSpill cleanroom spill pillow offers excellent absorbency coupled with cleanroom compatibility. The 28" cylinder is comprised of 100% polyester in a polyester sleeve. The NovaSpill is low-linting with a good chemical resistance for use at wet decks and similar processing stations. The length of the sleeve makes it easy to manoeuvre and well suited for spill containment and to stem moisture flow. Available in custom sizes and shapes. The NovaSpill can be autoclaved if necessary.



NovaSpill Pillow	Cleanroom spill pillow	NS6-28
NovaSpill Pillow Irradiated	Cleanroom spill pillow	NS6-28IR

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Handles & Adapters



Universal Stainless Steel Handles

The stainless steel handles are fully **autoclavable** and attach/detach to the various mop head adapters by a quick release button in seconds (Quick Disconnect). This universal feature allows the same handle to be used even where a change of mop may be required and thus means less inventory. The handles are available in single length or extendable versions.



Mop / Handle / Wringer Selection Process

1. Determine the most suitable mop design for your cleaning requirements.
2. Select a material to suit the intended purpose(s).
3. Decide the type / length of stainless steel handle required (where applicable) to attach to the mop adapter/head.
4. Where required select a suitable bucket and / or wringing device.

Extendible Handle 38" to 72" Long	Mop Handle	SSU-1
Extendible Handle 62" to 120" Long	Mop Handle	SSU-3
Extendible Handle 14" to 23" Long	Mop Handle	SSU-8
8" Handle	Mop Handle	SSU-2
61" Handle	Mop Handle	SSU-4
37" Handle	Mop Handle	SSU-5
25" Handle	Mop Handle	SSU-6
51" Handle	Mop Handle	SSU-7
12" Handle	Mop Handle	SSU-9

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Handles & Adapters

ACME Thread Adapter - Male

Threaded unit which enables the SSU Universal Handle to be used with other janitorial heads. Can be used with the SSA-2 Acme Thread Adapter as a hand held extension unit for cleaning interior of isolation cabinets and similar processing structures. Can be autoclaved.



Female Thread Adapter	Universal Handle Adapter	SSA-2
Male Thread Adapter	Universal Handle Adapter	SSA-3

Accordion/Over-Under™ Handle



Within the Isolator or Hood these electropolished stainless steel, collapsible handles are designed to deal with the unique space limitations in isolators and containment hoods. Available in 13" and 19" sizes, each section features a delrin hinge and quick disconnect to allow for attachment of additional sections and ultimately the mop adapter. The unique design allows the operator to fit the collapsed handle into the pass thru and once inside the isolator provides the extended reach necessary to cover all surfaces. Outside of the Isolator when connected to a standard handle, the Accordion Handle allows the operator to angle the mop head to effectively and comfortably clean 'over and under' obstacles in a cleanroom or controlled environment. Autoclavable.

Over Under Accordian Handle 13"	Collapsible Handle	QDAH-13
Over Under Accordian Handle 19"	Collapsible Handle	QDAH-19

Aluminium Extension Handle

Lightweight, extendable aluminium extension that attaches to quick disconnect mop heads via the SSA-2 Female Acme Thread Adapter.



Extendible Handle 48" to 96" Long	Extendible Handle	ALUMEH-08
Extendible Handle 72" to 216" Long	Extendible Handle	ALUMEH-18
Extendible Handle 108" to 240" Long	Extendible Handle	ALUMEH-20

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Buckets & Wringers

SlimT™ Double Bucket Cart

This simple and effective double bucket system is comprised of an electropolished stainless steel frame that easily transports two 6 gallon buckets. Excellent manoeuvrability is achieved with the 360° rotation of the caster wheels. The generous 19" width of the buckets makes them suitable for use with a variety of mop heads. The entire unit, including the polyethylene buckets, is autoclavable.



Slim T Double Bucket Cart - Standard	Mop Bucket	C-7
Slim T Double Bucket Cart - Autoclavable	Mop Bucket	C-7WH

SlimT Wringer



Designed to wring the SlimLine and T-Mop series as well as other flat pad mops. The Slim-T wringers simple design allows the operator to wring out excess liquid leaving the mop damp enough to effectively saturate the surface being cleaned. Crafted from electropolished stainless steel for durability and long life. Autoclavable

Slim T Wringer to fit C-7 Double Bucket Cart	Mop Wringer	W-92
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M-Zone™ Bucket Liners

This poly blend bag was designed as a barrier product between strong disinfectant solutions and plastic buckets. This additional step ensures the integrity of disinfectant blend. The 6 gallon capacity bag allows cleaning personnel to mix and transport cleaning solutions and dispose of cleaning waste water more easily than moving heavy buckets and carts between faucets and drains. Available irradiated, the bucket liner gives the assurance of a sterile container every time.

M-Zone™ Bin Liners (not shown)

Also available, individually bagged, then doubled bagged. 40" x 48" LDPE - 2 thicknesses. Gamma Irradiated.



M-Zone Bucket Liner	Bucket Liner Irradiated	B7BL-IR
M-Zone Bin Liner 40" x 48"	Bin Liner 2 mil thickness	B40BBL-2IR
M-Zone Bin Liner 40" x 48"	Bin Liner 4 mil thickness	B40BBL-4IR

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BCR Clean Environment Mops

The BCR Flat mops are designed to minimise and remove cleanroom contamination in a wide variety of applications. The wipes are available in a choice of materials all in identical sizes to exactly fit the mop head system. All of the wipes can be **autoclaved** with the exception of the Satpax version. The mop heads are available in two sizes and are lightweight and can be **autoclaved** or **gamma irradiated** for use in aseptic areas. The springs will hold up to five wipes and the working surface is smooth for improved performance. Details on the technical attributes of each wiper material can be found in the Berkshire wipe section of this brochure. The SuperPolx and Polx 1200 have lower particles and fibres than the Durx 670/770 options although absorbency is reduced by comparison.

- Wide choice of wiping materials
- Most wipes are autoclavable
- Lightweight easy to use system
- Non standard pre sat (SatPax) options available



SuperPolx 1200A: Laundered polyester for ultra critical applications

Polx 1200: Non laundered polyester for critical areas

Durx 770: Treated polyester / cellulose blend for improved general purpose cleaning

Durx 670: General purpose regular polyester / cellulose blend

SatPax 670: Pre moistened polyester / cellulose blend (not autoclavable)

SuperPolx 1200A Critical Mop	23" x 9" / 58 x 23cm	150 per pack x 5	S1200A23095
Polx 1200 Critical Mop	23" x 9" / 58 x 23cm	150 per pack x 5	P1200A23095
Durx 770 Controlled Mop	23" x 9" / 58 x 23cm	100 per pack x 20	DR770230920
Durx 670 Controlled Mop	23" x 9" / 58 x 23cm	100 per pack x 20	DR670230920
Satpax 670 Pre sat Mop	23" x 9" / 58 x 23cm	25 per pack x 12	SPX670003
Flat Mop Head Small	3.5" x 11" / 9 x 28cm	1 x 10 per case	M06028HNN
Flat Mop Head Large	3.5" x 23" / 9 x 58cm	1 x 10 per case	M0658 HNN
Fixed Handle	55" / 140cm	Each	F01140 PNN
Telescopic Handle	34"- 63" / 85 - 160cm	Each	F01160 HNN



Critical Environment Solutions Ltd

Company Contact's

For technical support and product recommendation, please contact a member of our customer sales team:

Suite 4, Epsilon House
Laser Quay
Medway Estate
Rochester ME2 4HU

Phone: 01634 719422
Fax: 01634 297415

Email: sales@cesltd.uk.com

For dispatch enquiries or order tracking, please contact a member of our logistics team:

2276 Dunbeath Road
Elgin Industrial Estate
Swindon
Wiltshire SN2 8EA

Phone: 01793 512505
Fax: 01793 511994

Email: orders@cesltd.uk.com

For account enquiries, please contact a member of our accounts team:

2276 Dunbeath Road
Elgin Industrial Estate
Swindon
Wiltshire SN2 8EA

Phone: 01793 512505
Fax: 01793 511994

Email: accounts@cesltd.uk.com

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