

PowerMop CE

Battery powered, mechanized cleaning system

The PowerMop CE is a compact, high-performance floor cleaning system specifically designed for controlled environments to ISO Class 6 cleanrooms. Engineered for superior cleaning and residue removal, its dual counter-rotating pads deliver consistent, repeatable cleaning by effectively lifting particles, bioburden, and chemical residues from cleanroom floors.

Designed with cleaning efficiency in mind, the PowerMop CE features an ergonomic, balanced frame for precise control in tight or congested spaces and selectable operating positions to clean large areas comfortably. Quick-change components—like squeegees and pads—require no tools, allowing for fast turnover between rooms and reducing disruption to production schedules.

Certified for use in ISO 6 environments, HEPA filtration of the vacuum exhaust captures airborne particles during use, further supporting contamination control and compliance with cleanroom protocols.

The PowerMop CE ensures surfaces are left visibly clean and virtually residue-free—meeting the high standards required in pharmaceutical, biotech, and microelectronics environments.



PDSM048 | 041526

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Features	Benefits
HEPA filtered exhaust and fully enclosed cleaning deck	<ul style="list-style-type: none"> • Cleanroom certified per ISO 14644-5 ensures confidence for use in ISO-6/ EU GMP Grade C cleanrooms • Captures airborne particulates during operation to maintain air quality during cleaning
Multi-layered foam cleaning pads with textured polyester surface	<ul style="list-style-type: none"> • Superior uniform contact with the floor surfaces • Disposable pads eliminate the possibility of cross-contamination and the need for cleaning • Polyurethane foam facilitates application of solution to floor • Compatible with all polymeric cleanroom mats and flooring
Two high-speed counter-rotating cleaning pads	<ul style="list-style-type: none"> • Mechanical action effectively removes residues, soil and particulates from floors • Reduces operator effort with rotating pads driving PowerMop CE forward • Will not damage cleanroom floors • Saves cleaning time for operators
HEPA filtered vacuum	<ul style="list-style-type: none"> • Removes solubilized contaminants • Leaves surfaces dry saving time and eliminating mop to dry phase • Multiple vacuum settings including low, high and off
Dual position squeegee	<ul style="list-style-type: none"> • Leaves floor dry after cleaning in the lowered position • Applies solution to the floor without removal in the raised position
Adjustable solution delivery	<ul style="list-style-type: none"> • Controlled solution delivery allows flexibility based on surface, soil load or requirements
Compact ergonomic design	<ul style="list-style-type: none"> • 15.75" (40 cm) cleaning width provides good floor coverage and can fit within tight cleanroom layouts, airlocks, and spaces • Reduces physical strain on operators, even during extended use
Modular components	<ul style="list-style-type: none"> • Simple tool-free installation of components for easy cleaning and maintenance

Product Information For PowerMop CE	
Overall dimensions, nominal	
Operating Position, (H x W x D)	43" x 20" x 22" (109 cm x 51 cm x 56 cm)
Storage Position (H x W x D)	47" x 20" x 14" (119cm x 51cm x 36cm)
Weight, dry (including battery)	37.5 lb (17kg)
Weight, full clean tank (including battery)	44 lb (20kg)
Battery, Part No. PM400-BATT	Li-Ion, 18VDC, 14Ah, 250W
Run time on full battery charge (approximate):	1:30 (90 minutes)
Area coverage with full charge:	9,000 ft ² (836 m ²)
Cleaning pad speed:	350 rpm
Clean solution tank capacity:	0.79 gal (3.0 L)
Area coverage with full clean tank (approximate):	
On smooth floor, (low flow):	Up to 3,600 ft ² (334 m ²)
On smooth floor, (high flow):	Up to 1,800 ft ² (167 m ²)
Recovery tank capacity:	0.92 gal (3.5 L) max
Noise levels, at 3 ft (1m) distance:	Pads only: 64 dB Vacuum (low) + pads: 68 dB Vacuum (high) + pads: 71 dB
Power cut-off when in storage position:	After 30 seconds
Handle angle power cut off:	> 32° from floor
Hour counter:	No
Fluid low-level warning:	No
Vacuum exhaust filtration	HEPA filtered (H12)
Chemical Compatibility	Common detergent and disinfectant solutions except those containing isopropyl alcohol or other flammable components. Solutions must be non-foaming, but some low-foaming may be suitable.
Autoclavable	No

Product Information for PowerMop CE Cleaning Pad and Driver Disc

Pad material Front face Inner core Back face	100% texture knit polyester fabric Non-absorbent polyester foam, open cell Polyester film
Driver Disc	ABS
Pad construction	Flame lamination and high-temperature adhesive
Packaging materials	Outer bags (OB1, OB2), low density polyethylene (LDPE) ♻️ Case (CS), corrugated fiberboard (PAP) ♻️
Chemical compatibility	Not compatible with ketones such as acetone or MEK.
Environment	ISO 6-8 Grade C/D
Autoclavable	
Cleaning Pad Driver Disc	No No



Technical Data for PowerMop CE Cleaning Pad

Attribute (units)	Typical Value	Test Method
Pad weight, dry; (g)	27	CTM004-03
Non-volatile residue, NVR		
in deionized water; (g/pad)	0.026	CTM 005-01
in isopropanol; (g/pad)	0.111	CTM 005-01
Particles $\geq 0.5\mu\text{m}$; ($\times 10^6/\text{pad}$)	0.65	CTM006-01
Fibers $\geq 100\mu\text{m}$; ($\times 10^3/\text{pad}$)	0.501	CTM006-01

Notes

- a) The data shown are typical values and should not be used as product specifications.
- b) Valid product comparisons may only be obtained through side-by-side testing in the same test facility, under similar conditions.
- c) Current and/or comparison data may be available. Please contact a Contec sales representative for details.

Test Methods

- 1. CTM = Refers to Contec Test Method.

Part No.	Description	Size	Packaging
PMCE0400	PowerMop CE Battery powered mechanized cleaning system	47" x 20" x 14" (119 x 51 x 36 cm)	1 unit; 1 battery; 1 battery charger; 2 driver discs; 4 pads/case
PM400-PADPT	PowerMop CE Cleaning Pads	7.5" x 0.5" (18.2 x 1.27 cm)	4 pads/bag; 6 bags/case
PM400-BATT	PowerMop CE Battery		1/case
PM400-CHUS	PowerMop CE Battery Charger		1/case
PM400-TC	PowerMop CE Clean Tank	0.79 gal (3 L)	1/case
PM400-TR	PowerMop CE Return Tank	0.92 gal (3.5 L)	1/case
PM400-DISC	PowerMop CE Driver Disc	7.04" x 1.2" (17.9 x 3.05 cm)	2 discs/bag; 1 bag/case
PM400-SQFB	Replacement Squeegee Front Blade	20.56" x 1.6" (52 x 4.06 cm)	10/case
PM400-SQRB	Replacement Squeegee Back Blade	21.3" x 1.6" (54 x 4.06 cm)	10/case

Packaging	EA/OB1	OB1/OB2	OB2/CS	EA/CS
PM400-PADPT	4	1	6	24
PM400-DISC	2			2

EA = each; OB = outer bag 1/2; CS = case

Recycle Symbols

