



Quality Tools for Smart Cleaning

THE ALL NEW
nLITE[®]
FROM PAGE 6

PRODUCT CATALOGUE 2021

Status: 05/21

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2021

INNOVATION, EFFICIENCY & UNGER PROFESSIONAL QUALITY

As the global market leader, **UNGER** has been a leader in the development of intelligent cleaning products and systems for cleaning professionals around the world for over 50 years.

The **UNGER** portfolio includes:

- A comprehensive range of products for traditional window cleaning
- Innovative pure water systems
- Professional solutions for maintenance cleaning
- Colour-coded cleaning systems for hygienic cleanliness without the spread of germs

Faster, cleaner, safer

Our innovation approach is oriented towards the user and their cleaning tasks and aims at improved operating efficiency, an intuitive design and durability. In this way we create effective, efficient and ergonomic best-in-class product solutions for an optimised process flow.

UNGER advantages at a glance:

- Optimum cleaning performance
- Economical and efficient to use
- Ergonomic handling
- Intuitive operation
- High quality and long durability

We hope you enjoy and have a lot of success with our products and look forward to your feedback so that we can continuously develop our products.

WATER-FED POLES

**A MILESTONE IN PURE WATER CLEANING:
THE ALL NEW nLITE® POLE SYSTEM**

UNGER is now overshadowing everything that has existed so far and once again proves its unconditional will, innovative pioneering spirit and courageous foresight.

Discover the best and most advanced telescopic pole system now:

LIGHTER. MORE PRECISE. FASTER.



NEW

p. 6

nLITE®



NEW

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HYDROPOWER® RO S
SYSTEM S

HYDROPOWER® RO S

THE ECONOMICAL SOLUTION FOR CLEANING WITH PURE WATER IN AREAS WITH HARD WATER

Particularly suitable for those who are starting out in pure water cleaning. Compact and robust design. Innovative Boost function.



WINDOW CLEANING PURE WATER SYSTEM

Cleaning with Pure Water

WHAT IS PURE WATER ?

It's water in its purest form, physically processed to remove the minerals that would otherwise lead to limescale spots and streaks.

Such impurities are referred to as **TDS** (total dissolved solids) and are measured in **ppm** (parts per million).

The water is considered 100 % demineralised (pure) when TDS is 0 ppm.

ADVANTAGES

**EASY:**

Easy to operate and simple resin change.

**FAST:**

Twice as fast as traditional glass cleaning - just one process.

**COST-SAVING:**

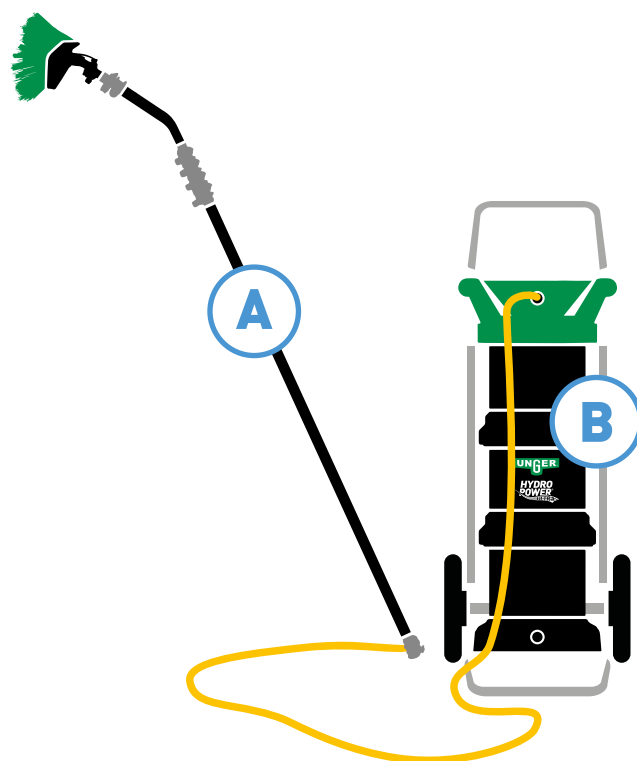
Half the labour costs.
No rental for cherry picker.

**ENVIRONMENTALLY FRIENDLY:**

Glass cleaning completely without chemical cleaning agents.

**SAFE:**

Safe working from the ground up to the 6th floor, with no cherry picker or ladder whatsoever.



WHY USE PURE WATER FOR CLEANING?

Pure water contains phenomenal cleaning power – without using any chemicals whatsoever. One-step cleaning with pure water means there is no need to wipe and polish the glass. The pane dries streak-free and without any deposits. It is twice as quick as with traditional glass cleaning and significantly improves the cost calculations*.

Applied with a water fed pole system, such as **UNGER nLITE®**, pure water is a fast, safe and effective method of cleaning, especially at height.

TYPICAL APPLICATIONS

**WINDOW AND FACADE CLEANING:**

- Fast and effective method – great results!
- Easy access to hard to reach areas

**PV- AND SOLAR PANEL CLEANING:**

- Regular cleaning prevents build up of dirt for greater energy output
- Solar yield can be increased significantly!
- Cleaning with 100 % pure water leaves no streaks or detergent residue

*Prof. Dr. rer.nat. Gerhard Winter, Albstadt-Sigmaringen University, seminar documents February/March 2011

The UNGER Pure Water System

A WATER-FED POLE SYSTEM

p. 6



A technological milestone: The new **nLITE**[®] system is the best and most advanced telescopic pole system that has ever existed. Ultra-light materials make work considerably easier. The innovative pole shape ensures noticeably more precision. And thanks to the easy handling of the poles and many intelligent product details, pure water cleaning is done faster than ever before.

With the high-quality material classes used, the **nLITE**[®] system is suitable for every application and every budget and proves to be perfect equipment for every working height - of course with **UNGER** quality "Made in Germany".

B PURE WATER FILTERS

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DI filter

RO filter

There are 2 recognised methods of pure water production in the window cleaning industry – Reverse Osmosis and Deionisation.

The **UNGER** range includes filters utilising either of these methods - turn to page 10 for more information.

PURE WATER SYSTEM

A WATER FED POLE SYSTEM

nLITE®

A milestone for pure water cleaning: The all new nLITE® waterfed pole system

NEW

It's high time to take cleaning with pure water to a new dimension and era.

It's time to invent a whole new form of telescopic waterfed pole technology.

It's time for a game changer:

**THE ALL NEW nLITE®
NOTHING STAYS THE SAME.**

UNGER UNGER is now setting aside the achievements of the past and is once again proving its unconditional will, innovative pioneering spirit, and courageous foresight.

Discover the best and most advanced telescopic waterfed pole system today:

LIGHTER, MORE PRECISE, FASTER.

TOP PERFORMANCE THROUGH PROGRESS

Innovation, high quality, and customer-oriented development have always been **UNGER**'s guiding principles. This applies once again to the new generation of the **nLITE®** telescopic pole system:

- German engineering in a timelessly stylish design
- Intelligent solution for faster, more flexible system setup
- Pioneering technologies for more effective cleaning results
- High Quality – Made in Germany

MORE STABLE, HIGHER, MORE PRECISE, WOW!

UNGER has developed its new **nLITE®** telescopic poles to take your performance to new heights.

Maximising refined details and precision while minimising time and effort spent getting organised for your work.

- No twisting: trouble-free work and less wear and tear
- Optimal stability-to-weight ratio
- Greater pole rigidity
- More precise control of the cleaning movement



HIGH-END CARBON MATERIALS

Ultra-lightweight. Extremely durable.

- CARBON COMPOSITE: High quality mix of carbon and glass fibres
- CARBON 24K: Premium carbon fibres in a unique weave of 24,000 fibres per bundle

THE ALL NEW
nLITE®

SMARTLOCK CLAMPS

- Easy and quick to close with just one finger
- Robust 2C material
- Clamp mechanism that protects the carbon material and ensures a long service life for the pole
- Extension stop prevents pulling out pole elements too far

INTEGRATED HOSE MANAGEMENT

- Internal routing of the new, highly flexible DuroFlex hose in the telescopic pole for trouble-free work on windows and facades
- Complete flexibility: external routing possible thanks to optional nLITE® clips

PRECISIONGRIP POLE FORM

- Innovative, unique pole shape, with contact surfaces optimally adapted to the shape of your hand.
- For ergonomic working and making best use of your strength
- More precise control of the cleaning movement and high force transmission
- Uninterrupted work due to non-twisting pole



PURE WATER SYSTEM

A WATER FED POLE SYSTEM



Unprecedented dimensions in window cleaning

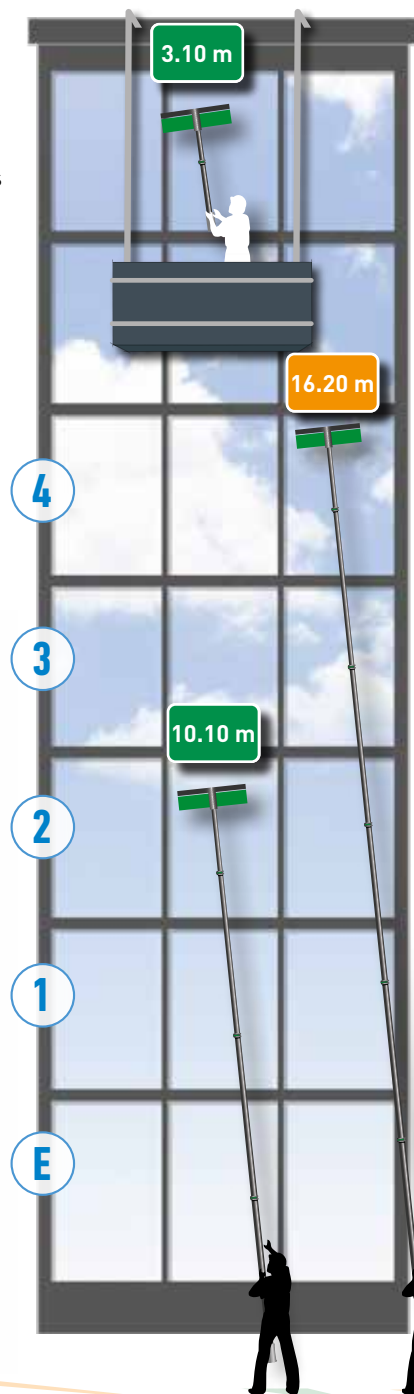
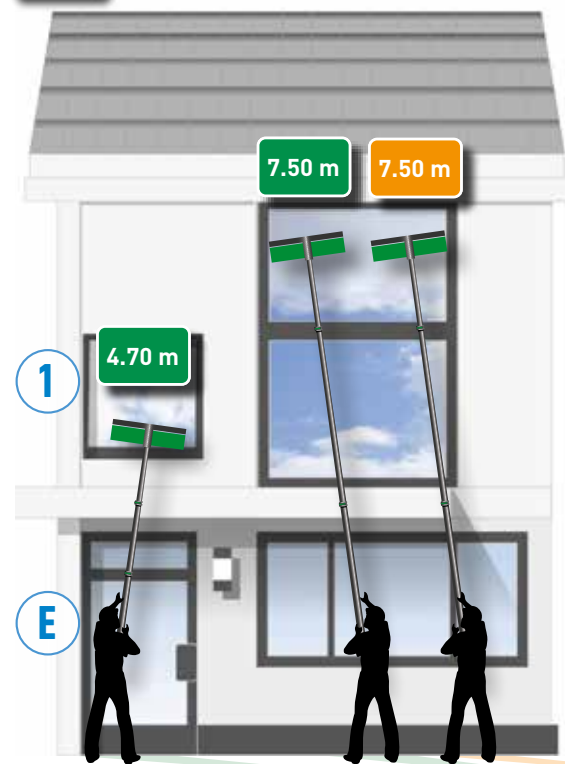
The pole lengths offered by the all new nLITE® system have been created and optimised for your everyday work.

From now on, you can easily think of how many floors' you can clean. The telescopic main pole now measures 8.60 m, so it extends to the 2nd floor. Each extension pole offers exactly the additional length to take you up another storey (3.05 m).

For use in less high buildings or with a boom lift, we have the right solution for you with telescopic poles ranging from 1.60 m to 6.00 m in length.

UNGER guarantees the best possible premium quality in each of the material classes used and thus the perfect solution for every working height.

4.70 m — Colour = material quality
Metres shown = working height



POWER BRUSH AND ANGLE ADAPTER

Innovative modular system that makes a difference because it offers almost limitless application options.

TELESCOPIC MAIN POLE

6-sections main telescopic pole. Carbon 24K can be extended with up to 2 extension poles.

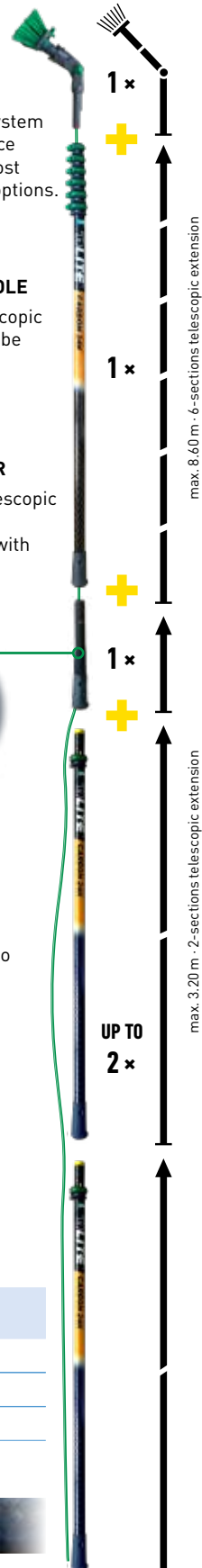
EXTENSION ADAPTER

Connects the first telescopic extension pole to the telescopic main pole with internal hose routing.



TELESCOPIC EXTENSION POLE

2-sections telescopic extension pole. With Carbon 24K, up to 2 extension poles can be used.



Part number	CC16T	CC32T	CC60T	CF60T	CC85T	CF86G + 2x CF33G
Pole elements	2	2	4	4	6	6 + 2 x 2
Total pole length	1.60 m	3.20 m	6.00 m	6.00 m	8,60 m	14,70 m
Recommended for	Boom lift	Ground floor	1st floor	1st floor	2nd floor	4th floor

CARBON COMPOSITE

RESILIENCE: 100 GPa
Recommended for working heights of up to **10 m**

CARBON 24k

RESILIENCE: 210 GPa
Recommended for working heights of up to **16 m**

PURE WATER SYSTEM

A WATER FED POLE SYSTEM



Quality Tools for Smart Cleaning

nLITE®

NEW

CARBON 24k



nLITE® CARBON 24K TELESCOPIC POLE

Telescopic pole for medium heights.

- Recommended for working heights of up to **16 m** (approx. 4 floors)
- Telescopic main pole 2x extendable with telescopic extension pole
- Resilience: **210 GPa***

Part No.	Info	Extended	Collapsed	Sections	Weight	Pack
CF60T	Telescopic pole	6.00 m	1.70 m	4	1.16 kg	1
CF86G	Telescopic main pole	8.60 m	1.70 m	6	1.84 kg	1
CF33G	Telescopic extension pole	3.20 m	1.80 m	2	0.82 kg	1



nLITE® CARBON 24K COMPLETE POLE

Content:

- CF86G Telescopic main pole, 6 sections, 8.60 m
- CF33G Telescopic extension pole, 2 sections, 3.20 m
- NLHCC Extension adapter
- NGS30 Angle adapter kit M, 42 cm
- NFF28 Power brush simple, 28 cm

Part No.	Length	Pack
CF12C	11.90 m	1

CARBON COMPOSITE



nLITE® CARBON COMPOSITE TELESCOPIC POLE

Telescopic pole for small to medium heights.

- Recommended for working heights of up to **10 m** (approx. 2 floors)
- Resilience: **100 GPa***

Part No.	Info	Extended	Collapsed	Sections	Weight	Pack
CC16T	Telescopic pole	1.60 m	0.90 m	2	0.46 kg	1
CC32T	Telescopic pole	3.20 m	1.70 m	2	0.70 kg	1
CC60T	Telescopic pole	6.00 m	1.70 m	4	1.41 kg	1
CC85T	Telescopic pole	8.60 m	1.70 m	6	2.20 kg	1



nLITE® CARBON COMPOSITE COMPLETE POLE

Content:

- CC85T Telescopic pole, 6 sections, 8.60 m
- NGS15 Angle adapter kit S, 15 cm
- NFF28 Power brush simple, 28 cm

Part No.	Length	Pack
CC85C	8.60 m	1

*GPa (Gigapascal) is a unit of measure of material strength.

ANGLE ADAPTER

nLITE®

Modular angle adapter system: Clean hard-to-reach places



Another clever feature of the new nLITE® pole system is the modular angle system, in which you can combine four individual elements in any number of variants in order to easily reach places that are difficult to access. Whether conservatories or overhanging façade elements, this system gives you the perfect angle for every application.

NEW



FASTLOCK

With a single click: simple, fast, and stable connection for every work situation:

- Change brushes in seconds
- Adjust brush angle in 45° stages
- No twisting when cleaning!

A WATER FED POLE SYSTEM

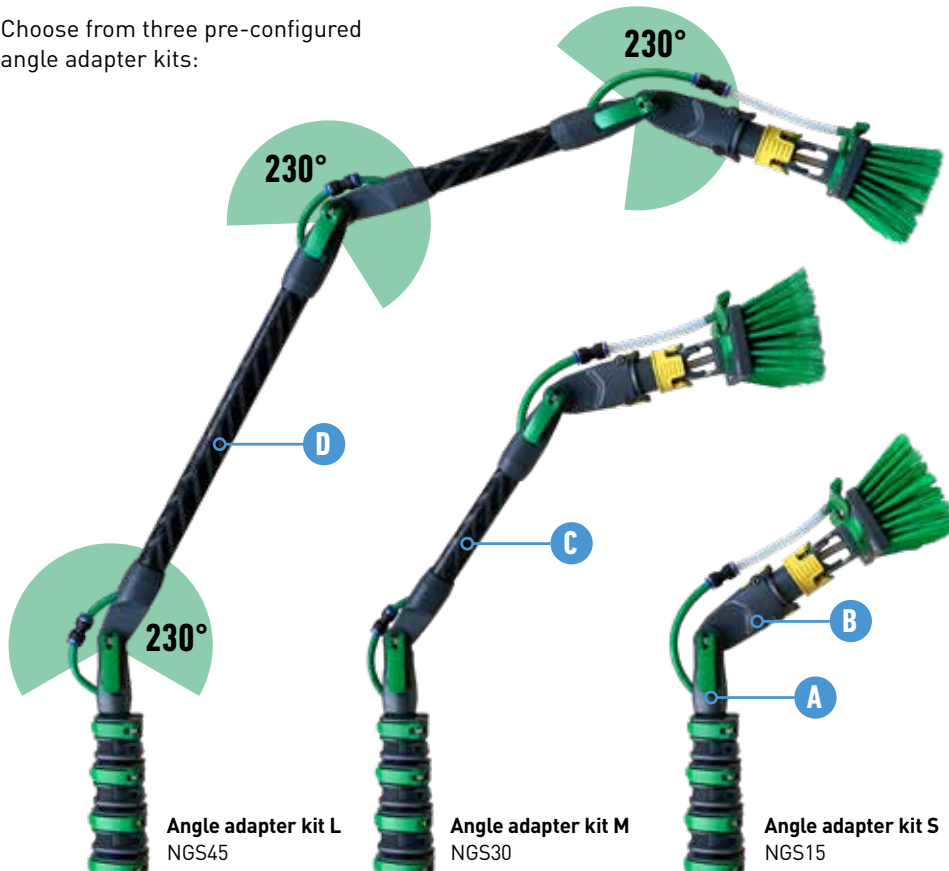
ANGLE ADAPTER KITS/ACCESSORIES



Quality Tools for Smart Cleaning

ANGLE ADAPTER KITS

Choose from three pre-configured angle adapter kits:



Simply adapt the modular angle adapter individually to your application

- A** Pole adapter
- B** Brush adapter
- C** Angle element short
- D** Angle element long

Angle adapter kit L
NGS45

Angle adapter kit M
NGS30

Angle adapter kit S
NGS15



nLITE® ANGLE ADAPTER KITS

Part No.	Info	Length	Pack
NGS15	Angle adapter kit S	15 cm	1
NGS30	Angle adapter kit M	42 cm	1
NGS45	Angle adapter kit L	82 cm	1

NEW

nLITE® THREAD ADAPTER

Thread adapters for attaching brushes and tools on the new nLITE® telescopic poles

Part No.	Products	Pack
NLTHR	Euro thread adapter for brushes	1
NLCLA*	Adapter for classic cleaning tools	1

* Available from August 2021



nLITE® ACCESSORIES

Part No.	Info	Length / Ø	Pack
NLHCC	Extension adapter	40 cm	1
NLHKP	6 clips for outer hose routing		1 Set
DLS25	DuroFlex hose	25 m, Ø 5/8mm	1
DLH25	DuroFlex High Performance hose	25 m, Ø 7/10mm	1
NLWVI	Water flow regulator	Ø 5/8mm	1



A WATER FED POLE SYSTEM

POWER BRUSH

nLITE®

On Top: Swivel function and Power bristle technology

Outstanding down to the last detail: a fully optimized brush concept prepares you for almost any challenge.

- Clever water distribution system
- Innovative bristle technology
- Precision cleaning down to the last corner
- Ultimate cleaning performance for perfect results



POWER BRISTLE TECHNOLOGY

- A Inner bristles with extremely high cleaning performance, comparable to natural hair bristles
- B Longer outer bristles for easy gliding: no more annoying jumping of the brush



SOFT TOUCH BUMPER

The edge protection made of soft plastic:

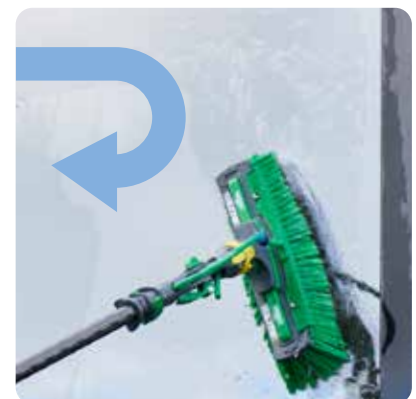
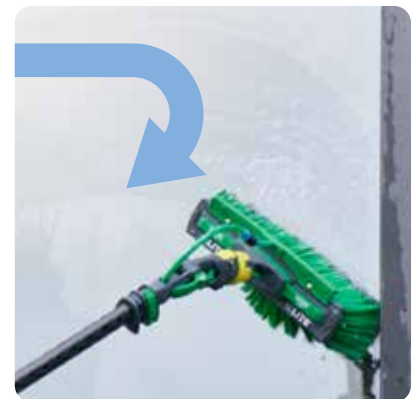
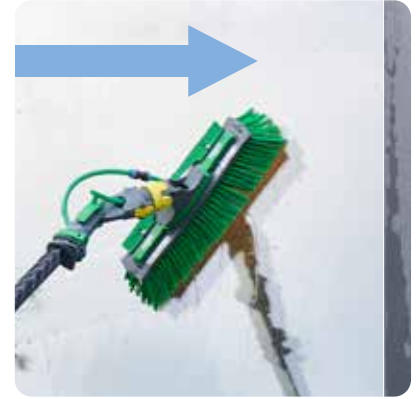
- Safe protection against scratches and other damage to window frames
- Significant noise reduction when coming into contact with parts of the building



RINSE BAR

This special flushing nozzle bar is attached above the brush and delivers the right amount of pure water exactly where it is needed for powerful rinsing of the cleaned surface - surface - more effective than ever before!

- Ideal in connection with the swivel function
- Water jets from the nozzle block built into the middle of the brush ensure powerful dirt removal



SWIVEL LOCK

You've never cleaned faster and more precisely down to the last corner: the swivel function is a completely new way of cleaning with pure water up to the first floor (6 m). Open the SwivelLock and experience the advantages:

- The brush socked, which can be swivelled freely through 180°, enables the surface to be cleaned with an S movement with the brush touching down over the entire surface
- Enlarges the work area, ideal for cleaning from boom lifts or gondolas



A WATER FED POLE SYSTEM

POWER BRUSH

nLITE®

NEW

POWER BRUSHES for nLITE® CarbonComposite-, Carbon 24K- and nLite®Connect- telescopic pole systems



nLITE® POWER BRUSH COMPLETE

- Green spliced bristles for optimum cleaning results and perfect gliding properties
- With a special rinse nozzle strip above the brush for powerful rinsing
- Including hoses with quick connectors

Part No.	Size	Bristles	Pack
NFK28	28 cm	spliced (green)	1
NFK41	41 cm	spliced (green)	1



nLITE® POWER BRUSH COMPLETE

- Grey, unspliced bristles for maximum cleaning performance and optimised durability
- With a special rinse nozzle strip above the brush for powerful rinsing
- Including hoses with quick connectors

Part No.	Size	Bristles	Pack
NUK28	28 cm	unspliced (grey)	1
NUK41	41 cm	unspliced (grey)	1



nLITE® POWER BRUSH SIMPLE

- Green spliced bristles for optimum cleaning results and perfect gliding properties
- Nozzle block integrated in the middle of the brush for powerful dirt removal
- Including hoses with quick connectors

Part No.	Size	Bristles	Pack
NFF28	28 cm	spliced (green)	1
NFF41	41 cm	spliced (green)	1



nLITE® POWER BRUSH SIMPLE

- Grey, unspliced bristles for maximum cleaning performance and optimised durability
- Nozzle block integrated in the middle of the brush for powerful dirt removal
- Including hoses with quick connectors

Part No.	Size	Bristles	Pack
NUF28	28 cm	unspliced (grey)	1
NUF41	41 cm	unspliced (grey)	1



nLITE® POWER BRUSH COMPATIBILITY:

nLITE® Carbon Composite or Carbon 24K telescopic pole



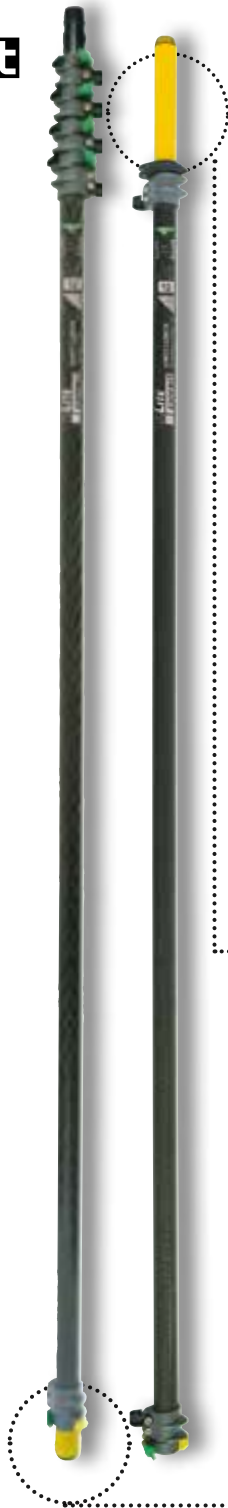
Used Hose: DLS25
Required adapter: NGS15 / NGS30 / NGS 45 (nLITE® angle adapter)

nLite® Connect telescopic pole with MultiLink angle adapter



Used Hose: NL11G / NL20G / NL25G
Required adapter: FTTHR (thread adapter, included with every nLite® Connect pole)

A WATER FED POLE SYSTEM



The Master and Extension Pole System, combining telescopic and modular designs: **nLite® Connect**.

FULL FLEXIBILITY

Modular construction allows you to add on or remove Extension Poles to create telescopic poles in different lengths for cleaning at various heights.

35 MM DIAMETER

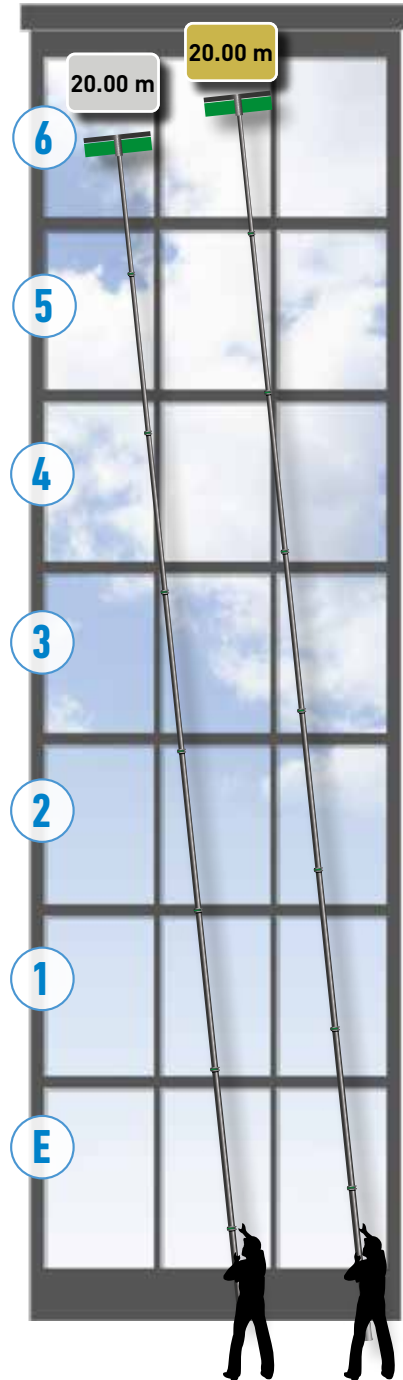
Diameter of the **nLite® Connect** pole you are holding will never exceed 35 mm, irrespective of the number of Extension Poles.

YELLOW VISUAL WARNING AREA

The top of the Extension Pole helps to avoid unintentional separation.

DURABLE PLASTIC ENDCAP

Prevents accidental damage to the end of the pole and features a side aperture for the hose exit when used inside the pole.



Part number	UC67G + 4x UC35G	UH67G + 4x UH35G
Pole elements	19.50 m	19.50 m
Total pole length	19,50 m	19,50 m
Recommended for	6th floor	6th floor

HiMod CARBON

RESILIENCE: 360 GPa
Recommended for working heights of up to **20 m**

Ultra HiMod CARBON

RESILIENCE: 760 GPa
Recommended for working heights of up to **20 m**

Ultra HiMod CARBON



nLite® Connect ULTRA HIMOD CARBON TELESCOPIC POLE

Telescopic Master Pole. The ultimate in rigidity, superlight pole.
Incl. Thread Adapter and Endcap. Ultimate material strength: 760 GPa*

Part No.	Info	Extended	Collapsed	Sections	Weight	Pack
UH67G	Telescopic main pole	6.63 m	1.87 m	4	1.5 kg	1
UH35G	Telescopic extension pole	3.41m	1.91 m	2	0.7 kg	1

HiMod CARBON



nLite® Connect HIMOD CARBON TELESCOPIC POLE

Telescopic Master Pole. The best in rigidity, superlight pole.
Incl. Thread Adapter and Endcap. Ultimate material strength: 360 GPa*

Part No.	Info	Extended	Collapsed	Sections	Weight	Pack
UC67G	Telescopic main pole	6.63 m	1.87 m	4	1.5 kg	1
UC35G	Telescopic extension pole	3.41m	1.91 m	2	0.7 kg	1

Aluminum



nLite® Connect ALUMINIUM TELESCOPIC POLE

Telescopic Master Pole. Excellent rigidity thanks to modern construction technology.
Incl. Thread Adapter and Endcap. Ultimate material strength: 30 GPa*

Part No.	Info	Extended	Collapsed	Sections	Weight	Pack
AN60G	Telescopic main pole	6.00 m	1.71 m	4	2.0 kg	1
AN45G	Telescopic main pole	4.50 m	1.34 m	4	1.6 kg	1
AN30G	Telescopic extension pole	3.00 m	1.69 m	2	1.1 kg	1

nLite® Connect GOOSENECKS

For attaching the brushes to **UNGER nLite® Connect** Water Fed Poles.



nLite® MULTILINK GOOSENECKS

Superlight carbon fibre goose-necks.

- Use individually or combine 2 or more to achieve any angle
- NLG20 and NLG30 include nLite® Thread Adapter for attaching the brush
- NLG15 includes adjustable plastic angle adapter

Part No.	Size	Weight	Material	Pack
NLG20	20 cm	130 g	Carbon	1
NLG30	30 cm	140 g	Carbon	1
NLG15	150 cm	390 g	Hybrid	1

HiFlo MultiLink ADAPTER

Plastic angle adapter with screw adjustment.

- Simple to adjust
- Robust
- Compatible with all nLite Connect & HiFlo Brushes

Part No.	Pack
FTG0S	1

A WATER FED POLE SYSTEM

ACCESSORIES



nLite® HOSE

Durable hose for water supply from water filter to the Brush.

- Complete with standard hose connector for water supply
- NLH25 high performance hose for RO-filter including connector for connection kit NLHPA

Part No.	Length	Ø Inner/Outer	Pack
NL11G	11 m	5/8 mm	1
NL20G	20 m	5/8 mm	1
NL25G	25 m	5/8 mm	1
NLH25	25 m	8/10 mm	1



nLite® Connect HOSE EXTENSION KIT

Adapters for connection of 2 hoses into one.

- Includes 2 x Hose End Pieces, 1 x Quick Connector
- Insert the Hose End Pieces into each hose and connect using the Quick Connector

Part No.	Pack
NLQUI	1



nLite® Connect TOOL ADAPTER

Plastic adapter for attaching tools on nLite® Connect poles.

- Locking cone adapter for attaching traditional window cleaning tools

Part No.	Pack
HFNLC	1



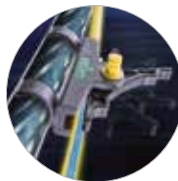
nLite® Connect THREAD ADAPTER

Thread adapter for attaching brushes on the nLite® Connect pole

Part No.	Pack
FTTHR	1



Quality Tools for Smart Cleaning



HiFlo Control

The On/Off Switch for instant water flow control at the pole.

- Fits onto the base sections of the pole
- Hose fits inside the switch, under the lever
- Adjust or shut off the water flow completely with one quick lever motion
- Fits any poles Ø 20-70mm
- Fits hoses external Ø 8 and 9mm

Part No.	Info	Pack
TMOOV	Complete with nLite® Clips + Hooks & Loops Straps	1



Example Content is not included.

nLite® Connect BAG

For storage, protection and transportation of a complete nLite® Kit.

- Made from solid nylon material
- Can be carried in hand or over shoulder
- Fits 5 or more poles, 2 brushes, 1 gooseneck, 1 hose
- Pocket for spare jets and small pieces

Part No.	Pack
NLBA1	1

BRUSHES for nLite® Connect telescopic pole system

Image	Product Name	Part No.	Rating	WEIGHT		SIZE	BRUSH BODY			BRISTLES			JETS		
				Brush only	Incl. adapter/jets		Material	Format	Jet Pos.	Material	Soft/Hard	Length	Flexible	Material	Fan & Pencil
	nLite® BOAR BRISTLE BRUSH	NLE27	***	359 g*	403 g*	27 cm	Plastic porous core smooth solid skin		4	Natural boars bristle	Soft	8 cm*	✓	Plastic	Fan & Pencil
		NLE40	***	466 g*	510 g*	40 cm									
	nLite® RADIUS BRUSH	NLR27	***	364 g	408 g	27 cm	Plastic porous core smooth solid skin		4	Solvent resistant synthetic bristles	Medium	7.5 cm	✓	Plastic	Fan & Pencil
		NLR40	***	535 g	579 g	40 cm						8.5 cm			
	nLite® SOLAR RADIUS BRUSH	NL27Y	***	364 g	408 g	27 cm	Plastic porous core smooth solid skin		4	Solvent resistant synthetic bristles	Medium	7.5 cm	✓	Plastic	Fan & Pencil
		NL40Y	***	535 g	579 g	40 cm						8.5 cm			
	nLite® RECTANGULAR BRUSH ¹	NL27A	***	270 g	314 g	27 cm	Plastic porous core smooth solid skin		4	Solvent resistant synthetic bristles	Medium	7.5 cm	✓	Plastic	Fan & Pencil
		NL40A	***	408 g	452 g	40 cm						8.5 cm			
	HiFlo RECTANGULAR BRUSH ¹	FTS27	**	-	490 g	27 cm	Solid plastic		2	Synthetic bristles	Soft	5 cm	-	Brass	Pencil
	HiFlo RADIUS BRUSH ¹	FTR27	**	-	560 g	27 cm	Solid plastic		2	Synthetic bristles	Soft hard	5 cm	-	Brass	Pencil
		FBR27	**	-	560 g	27 cm									
	HiFlo OVAL BRUSH ¹	FTO27	**	-	450 g / 690 g	27 cm / 40 cm	Solid plastic		2	Synthetic bristles	Soft	5 cm	-	Brass	Pencil
	HiFlo CARBON TEC BRUSH ¹	CT27A	**	-	347 g	27 cm	Solid plastic		2	Synthetic bristles	Hard	5 cm	-	Brass	Pencil
		CT40A	**	-	380 g	40 cm									

¹ While stocks last

* app. 10 % tolerance deviation possible with natural bristles

ATTENTION: Some surfaces are easily scratched. Always test brushes prior to use.

nLite® Connect BRUSH CONNECTION KIT

17176 20478

Connects two jets to the brush.

- NLHPC (5mm hose): 2 hose pieces (each app. 29 cm) + 1 T-piece
- T-piece spare part: Part No. 14954
- NLHPA (8mm hose): for use with NLH25 and RO40C

Part No.	Product	Pack
NLHPC	Jets connection kit 5 mm	1
NLHPA	Jets connection kit 8 mm (high performance)	1
20478	Quick connector Y-piece 8 mm > 2x 6 mm	1
17176	Plug nipple 6 mm	1
20476	Plug nipple 8 mm	1

nLite® Connect JETS

Interchangeable, quick release Jets for nLite® Connect Brushes.

- Fan Jets for hydrophobic glass
- Pencil Jets for hydrophilic glass
- Mix and match depending on type of surface you clean

Part No.	Info	Pack
NLBJF	1 Set = 2 Jets	1 Set
NLBJP	1 Set = 2 Jets	1 Set



nLITE® THREAD ADAPTER

NEW

Thread adapter for attaching brushes with Euro thread (e.g. nLite® Connect and HiFlo brushes) on the new nLITE® telescopic poles.

Part No.	Pack
NLTHR	1

5 mm hose **8 mm high performance hose**

2 JETS

<p>Included with brush</p> <p>1 x NLBJP: 2 Pencil Jets 1 x NLHPC: Hose Kit</p>	<p>Included with brush</p> <p>1 x NLBJP: 2 Pencil Jets</p> <p>Extra parts required: 1 x NLHPA: Hose Kit</p>
---	---

4 JETS

<p>Extra parts required:</p> <p>1 Set of jets 2 x NLHPC Hose Kit</p>	<p>Extra parts required:</p> <p>1 Set of jets 2 x Hose Kit: 1 x NLHPC 1 x NLHPA</p>
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6 JETS

<p>Extra parts required:</p> <p>2 Sets of jets 4 x NLHPC: Hose Kit</p>	<p>Extra parts required:</p> <p>2 Sets of jets 4 x Hose Kit 3x NLHPC 1x NLHPA</p>
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Choosing Your Filter System

There are 2 recognised methods of pure water production in the window cleaning industry – **Reverse Osmosis** and **Deionisation**.

The **UNGER** range includes filters utilising either of these methods. This page will help you to decide which method suits your cleaning requirements best and will deliver the highest return on your investment.

HYDRO POWER® ULTRA DEIONISATION FILTER (DI)

p. 20



These filters utilise ion exchange resin which removes ionised salts and impurities from water, producing 100 % deionised pure water, with no waste water.

Though DI filters require a relatively low initial investment when compared to RO, frequent replacement of old resin with new is necessary for 100 % pure water production.

Mobile design and portability, with no need for power or pumps, our DI filters can be easily set up anywhere – all you need is a tap water supply.

RECOMMENDED FOR:

- Areas with soft or medium water hardness level
- Small size filters are ideal for cleaning small to moderate size areas, as well as an entry level solution for professional cleaning
- Large sizes – for frequent cleaning of large areas
- Use as final stage of water purification process, after RO membrane, to achieve 100 % pure water

HYDRO POWER® REVERSE OSMOSIS FILTER (RO)

p. 26



The **UNGER RO** utilizes 3 stage water purification system. First, the combi-pre-filter captures chlorine and sediments from the incoming water, then the water is directed towards 2 RO membranes which remove up to 98 % of dissolved minerals and contaminants.

At this point, the water flow is split into waste water (concentrate) that requires drainage facility and pure water which is directed to DI Polisher where any remaining impurities are filtered by ion exchange resin to produce 100 % pure water.

RECOMMENDED FOR:

- Areas with hard or very hard water level
- Constant, high volume pure water production

HYDRO POWER® ULTRA FILTER

THE HYDRO POWER® ULTRA SYSTEM

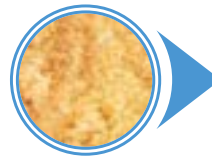
The Most Efficient DI Pure Water System Ever! Performance at the highest level:

The **UNGER HydroPower®** Ultra is setting a new standard in deionising filter technology for pure water cleaning. A definite value-add for every professional glass and building cleaner.

OVER 30%* MORE PURE WATER PER RESIN FILLING

- Every Ultra resin pack contains a pre-portioned amount of **UNGER** premium ion-exchange resin with a **new formula, perfected for glass cleaning**
- The **FloWater technology 2.0** in every Ultra resin pack ensures an efficient flow of water through the whole tank which optimises the **resin saturation**

Ultra Resin Packs



Premium Ultra Resin
Perfected ion exchange resin, as required for cleaning glass



SIMPLE AND EFFECTIVE HANDLING



TDS-Meter

- Displays, at the push of a button, whether the Ultra Resin Packs need to be changed.
- At a TDS value >10ppm the Ultra Resin Packs have to be changed



FastLock quick-fit fastener

- Easy to open and close the tank
- Safe, self-locking mechanism with pressure-relief valve



Easily removable cover

- Quick and easy changeover
- Ultra resin packs can be changed as easily as a coffee pad in a coffee machine

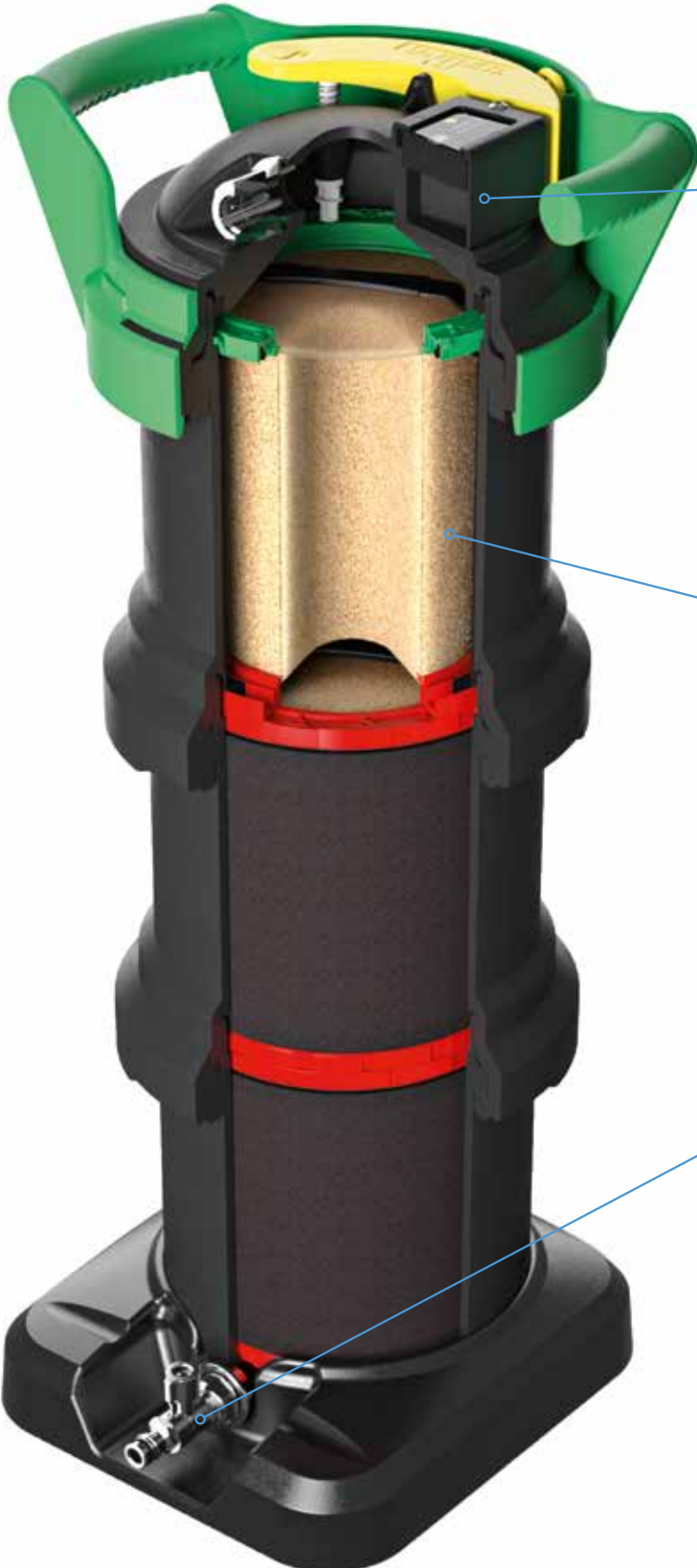


High-quality metal connections

- Reliable quick release connectors, suitable for most hoselock type fittings commonly used on most water fed poles

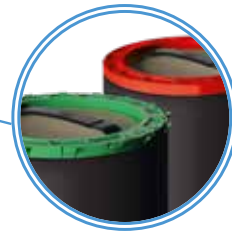
*In comparison with standard DI systems (e.g. **UNGER HydroPower®** DI filters). Source: test results from the independent testing laboratory Miontec GmbH, 2019.

The HydroPower® Ultra System



TDS-METER

- Integrated digital measuring device displays the water hardness of the pure water coming out



ULTRA RESIN PACKS

- Over 30% more pure water per resin filling
- Intuitive colour coded system
- KeyLock function eliminates risk of operating errors



WATER CONNECTIONS

- Stable quick-fit metal hose connector
- Practical shut-off valve prevents leakage during transport
- Pre-installed, dynamic control guarantees optimum water flow at all times

B PURE WATER FILTERS

HYDRO POWER® ULTRA FILTER

CUSTOMISED IN EVERY SIZE

Choose from 2 filter sizes depending on the volume of pure water required and frequency of use to maximise your return on investment.

All 3 versions are supplied complete with **Ultra Resin Packs** and integrated **TDS meter** to monitor the outgoing water hardness.



DIUH1 - HydroPower® Ultra S
contains 1 Ultra Resin Pack (6 l)



DIUH2 - HydroPower® Ultra L
contains 3 Ultra Resin Packs (18 l)



DIUH3 - HydroPower® Ultra LC
contains 3 Ultra Resin Packs (18 l)

HydroPower® Ultra FILTER

Part No.	Base	Height	Resin Packs	Cart
DIUH1	30 x 31 cm	35 cm	1 (6 l)	-
DIUH2	30 x 31 cm	77 cm	3 (18 l)	-
DIUH3	30 x 31 cm	107 cm	3 (18 l)	✓

FILTER OUTPUT

In particular the water hardness and the hydrogen carbonate content of the input water have a strong influence on the amount of pure water. The following values correspond to the output of **UNGER HydroPower® Ultra** with *average tap water*:

HydroPower Ultra S (DIUH1)



Factor	Value
Resin fill	1 x 6 l
Pure water quantity per resin filling	710 l
Working hours*	approx. 6 h
Coverage in m ² **	approx. 600 m ²

HydroPower Ultra L (DIUH2)



Factor	Value
Resin fill	3 x 6 l
Pure water quantity per resin filling	2,450 l
Working hours*	approx. 20 h
Coverage in m ² **	approx. 2,000 m ²

HydroPower Ultra LC (DIUH3)



Factor	Value
Resin fill	3 x 6 l
Pure water quantity per resin filling	2,450 l
Working hours*	approx. 20 h
Coverage in m ² **	approx. 2,000 m ²

The pure water quantities (TDS < 10 ppm) were determined by an independent test laboratory at a water flow rate of 180 l/h and under the following conditions for the input water:

TDS: 275 ppm

Sum of cations and anions: 5.5 meq/l

Hydrogen carbonate content of anions: 60%.

With *soft water* (<100 ppm) the pure water output can increase **more than 3 times**. With very hard water (>400 ppm), depending on the hydrogen carbonate content and ion concentration, the output can **decrease by more than half**.

* at a water flow rate of 120 l/h

** with an area output of 100 m²/h



B PURE WATER FILTERS

HYDRO POWER® KITS



Quality Tools for Smart Cleaning

DI STARTER KIT



HydroPower® Ultra S + nLite® CARBON COMPOSITE

Contents:

DIUH1 HydroPower® Ultra Filter S
 CC60T nLite® CarbonComposite 6.00 m
 NGS15 nLite® Angle adapter kit S, 15 cm
 NFF28 nLite® Power Brush, spliced, 28 cm
 DLS25 DuroFlex hose, 25 m

Length
6.00 m

Part No.	Pack
DINK1	1

DI STARTER KIT



HydroPower® Ultra S + nLite® CONNECT ALU

Content:

DIUH1 HydroPower® Ultra Filter S
 AN60G nLite® Connect Alu Master pole 6 m
 NLR27 nLite® Angle Brush 27 cm
 FTGOS HiFlo MultiLink Adapter
 NL20G nLite® Hose 20 m
 TMOOV HiFlo Control

Length
6.00 m

Part No.	Pack
DIUK1	1

DI ADVANCED KIT

AVAILABLE
FROM JUNE 2021



HydroPower® Ultra L/LC + nLite® CARBON 24K

Contents:

DIUH2* HydroPower® Ultra Filter L
 DIUH3** HydroPower® Ultra Filter LC
 CF86G nLite® Carbon 24K 8.60 m
 NGS30 nLite® Angle adapter kit M, 42 cm
 NFK28 nLite® Power Brush, spliced, 28 cm
 DLS25 DuroFlex hose, 25 m

Length
8.60 m

Part No.	Version	Pack
*DINK2	without cart	1
**DINK3	with cart	1

RO STARTER KIT

AVAILABLE
FROM JUNE 2021



HydroPower® RO S + nLite® CARBON 24K

Contents:

RO20C HydroPower RO S
 CF86G nLite® Carbon 24K Main pole, 6-part, 8.60m
 CF33G nLite® Carbon 24K Extension pole, 2-part, 3.20m
 NLHCC nLite® Extension adapter
 NGS30 nLite® Angle adapter kit M, 42 cm
 NFK41 nLite® Power Brush, spliced, 42 cm
 DLH25 DuroFlex High Performance Hose, 25 m, Ø 7/10mm

Length
11.90 m

Part No.	Pack
RONK1	1



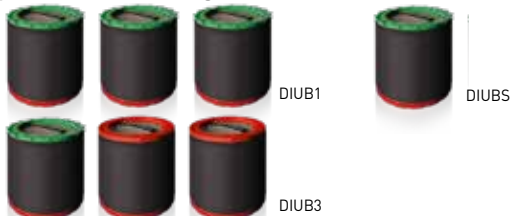
B PURE WATER FILTERS

ION EXCHANGE RESIN



Ultra RESIN PACKS FOR HYDRO POWER® ULTRA FILTER

Over 30 %* more pure water per resin filling



Every Ultra resin pack contains a pre-portioned amount of **UNGER** premium ion-exchange resin with a **new formula, perfected for glass cleaning**

The **FloWater technology 2.0** in every Ultra resin pack ensures an efficient flow of water through the whole tank which optimises the **resin saturation**

Ultra RESIN PACKS

Part No.	Info	Pack
DIUB1	3 x Ultra Resin Packs for DIUH1, DIUK1, DIUKU	1
DIUBS	1 x Ultra Resin Pack for DIUH1, DIUK1, DIUKU	1
DIUB3	Kit with 3 Ultra Resin Packs for DIUH2, DIUH3, DIUK2, DIUK3, DIUKS, DIUKF	1



QuickChange RESIN BAGS FOR HYDRO POWER® DI FILTER

High comfort



The **QuickChange** Resin Bags allow users to speed up the resin change process - simply remove the bag with expired resin and insert a new one.

The **QuickChange** Resin Bags offer fast and easy resin replacement on the spot with minimal mess - anytime and anywhere!

QuickChange RESIN BAGS 6 L

Part No.	Info	Pack
DIB64	4 bags (24 l) in air tight bucket	1
DIB84	4 bags (24 l) in air tight bag	1



PREMIUM GRADE VIRGIN MIXED BED RESIN

High capacity virgin mixed bed ion exchange resin for total de-ionisation and purification of water. Immediately produces 100 % pure water for streak free glass cleaning.

Consisting of a mixture of a gel, type I strong basic anion exchanger, and a gel, strong acid-cation resin, for the direct demineralization of water. 40 % cation, 60 % anion, pH range 0-14.



Suitable for use in:

- Refillable DI cartridges
- DI pressure vessels
- Filters for Pure Water Window Cleaning

PREMIUM GRADE VIRGIN MIXED BED RESIN

Part No.	Product	Pack
DIB25	Bag 25 l	1
DIP25	Bucket 25 l	1

i RESIN CHANGE

The conductivity measurement is used to monitor water quality. If a conductivity measurement (integrated TDS-metre) indicates a value of > 10 ppm, the resin must be replaced.

*In comparison with standard DI systems (e.g. **UNGER HydroPower®** DI filters).Source: test results from the independent testing laboratory Miontec GmbH, 2019.



B PURE WATER FILTERS

HYDRO POWER® RO S

NEW

HYDRO
POWER® RO
SYSTEM S

REVERSE OSMOSIS FILTER (RO)

HydroPower® RO S Pure water for everyone!

With the entry-level model **HydroPower RO S**, cleaning can be carried out with pure water with minimum operating costs - especially in areas with hard water. Due to its compact and robust design, the new **HydroPower RO S** system is easy to transport.

The proven RO technology from **UNGER** is based on a 3-stage filtering process for 100 % pure water, whereby the required water pressure is generated with a high-quality stainless steel pump.

BOOST FUNCTION

- Pure water mode: pure water for streak-free cleaning of windows and facades
- Boost mode: tap water at 8-10 bar for pre-rinsing heavily soiled surfaces

SIMPLE AND SAFE OPERATION

- TDS measuring device shows the quality of the source water at the push of a button
- Manual flushing of the RO membrane for an extended service life
- Automatic shutdown function to protect the pump if the water supply fails

COMPACT AND ROBUST DESIGN

- High-quality materials ensure a long service life
- Durable stainless steel quick connectors prevent dripping
- Heavy-duty stainless steel frame with maintenance-free solid rubber wheels

POWERFUL QUALITY PUMP

- Centrifugal pump made of stainless steel for constant and high water flow
- Trouble-free operation even after a long time

QUICK MAINTENANCE.

- The pre-filter and DI filter are easy to replace and can be visually inspected during work
- Removable back cover for easy access to all electrical components

MADE IN
GERMANY

ATTRACTIVE RO-STARTER KIT (RONK1).
DETAILS SEE PAGE 23.



HydroPower® RO S

Part No.	Pack
RO20C	1
RONK 1 RO Starter kit	1

HYDRO POWER® RO M



Quality Tools for Smart Cleaning

REVERSE OSMOSIS FILTER (RO)

HydroPower® RO M

The pure power of pure water

MODERN DESIGN AND HIGH PERFORMANCE

When it comes to developing new solutions for safe and efficient cleaning, **UNGER** always impresses with innovative product ideas. Discover the pure power of pure water with the **HydroPower® RO M**.

The compact and mobile filter system impresses with its outstanding performance features and ease of use – a real added value for professional window cleaners.

100% PURE WATER

The **HydroPower® RO M** demineralises water in a 3-stage process. The combination pre-filter removes fine particles and chlorine. The high-performance double membrane filters out up to 98 % of the minerals. In the third stage, the remaining minerals are bound by an ion exchange resin.

TDS METER

- shows the performance level of the membrane and resin filter

DOUBLE MEMBRANE

- very high water production, approx. 350 l/hour*

COMBINATION PRE-FILTER FINE PARTICLES/CHLORINE

- to protect both membranes

DOWNSTREAM RESIN FILTER

- 100 % pure water production

2 METAL WATER OUTLETS

- for 2 users at the same time

HIGH PERFORMANCE PUMP

- constant and high water flow



3 REASONS FOR HYDRO POWER® RO M

- 1 HIGH PERFORMANCE
- 2 COMPACT, ROBUST DESIGN
- 3 SIMPLE OPERATION & MAINTENANCE

HydroPower® RO M

Part No.	Pack
RO35C	1

*At 18 °C water temperature, 4 bar water pressure, without counterpressure at the water outlet.

B PURE WATER FILTERS

HYDRO POWER® RO L

**HYDRO
POWER®**
SYSTEM L



MADE IN
GERMANY

FIVE SMART REASONS FOR HYDRO POWER® RO L

This handful of cutting-edge features can make a huge difference to anyone who cleans with pure water.

- 1 Maximum performance***
With pure water output of up to 400 litres per hour, the **HydroPower® RO** is designed to be used by 1, 2 or 3 operators simultaneously.
- 2 Innovative RO SMARTGUARD Monitoring System**
Our intelligent assistant technology eliminates guesswork from managing your filter performance and maintenance.
- 3 Self-maintenance technology**
Automatic flush function before and after every use helps to prevent scaling and pollution of the RO membrane, prolonging its lifetime and reducing running costs.
- 4 Compact and robust design**
With its smart, contemporary look and high quality workmanship, the **HydroPower® RO** is built to last. Made in Germany.
- 5 Ultra fast & easy care**
User-friendly FastLock opening mechanism speeds up replacement of filter cartridges by up to 30 times.

*at 18 °C water temperature, 4 bar water pressure, unrestricted by external hose

REVERSE OSMOSIS FILTER (RO)

HydroPower® RO L

The next generation in pure water technology

Smart assistance meets easy maintenance

The **HydroPower® RO L** unites advanced intelligent technology, automation and user-friendly features, so you can concentrate what matters – doing a great job!

While you work, our unique electronic assistant, **RO SMARTGUARD** will keep watch over filter's performance and let you know if anything needs urgent attention or service.

The filter components can be changed quickly and easily - without tools.

RO SMARTGUARD

- watches over filter's performance

DOUBLE MEMBRANE

- very high water output, up to 400 l/hour*

COMBI PRE-FILTER SEDIMENT & CHLORINE

- to protect both membranes

RESIN FILTER FOR POLISHING

- 100 % pure water production

3 METAL CONNECTORS

- for 3 operators to work simultaneously

HIGH POWER PUMP

- supports the high water flow



CE certified

HydroPower® RO L

Part No.	Product	Pack
R040C	Mobile RO-Filter	1

REVERSE OSMOSIS FILTER (RO)

HiFlo RO Glass facades

The high performance RO-filter for real professionals

- Perfect for cleaning **large glass facades** - more water for cleaning and rinsing on the surface
- Downstream resin filter – 100 % pure water production
- Suitable for two workers without loss of capacity, or for one worker with increased water output
- Ideal for tank filling
- Automatic pump control with dry run protection
- Incl. TDS meter for checking the water and resin quality

DOUBLE MEMBRANE

- extended water output, approx. 700 l/hour*

RESIN FILTER FOR POLISHING

- 100 % pure water production

COMBI PRE-FILTER SEDIMENT & CHLORINE

- to protect both membranes

PURE WATER FLOW METRE

- Displays the produced amount of pure water

EXTRA HIGH POWER PUMP

- supports the high water flow



HiFlo RO GLASS FACADES

Part No.	Pack
RO60C	1

*At 18 °C water temperature, 4 bar water pressure, without counterpressure at the water outlet.



HIFLO RO SOLAR



REVERSE OSMOSIS FILTER (RO)

HiFlo RO Solar Reverse osmosis filter with high pure water production for large areas

- Perfect for cleaning of **solar panels** – more water on the panel, better rinsing and cleaning
- Ideal for two workers with no loss of water capacity or one worker with increased performance
- Ideal for tank filling
- Carbon filter lasts app. 200,000 l at 2 ppm chlorine
- Built in TDS meter monitors water quality
- Automatic pump control with dry run protection for added safety
- High quality, corrosion-resistant stainless steel frame

DOUBLE MEMBRANE

- extended water output, approx. 750l/hour

LARGE CARBON PRE-FILTER

- to save membranes from chlorine

LARGE SEDIMENT PRE-FILTER

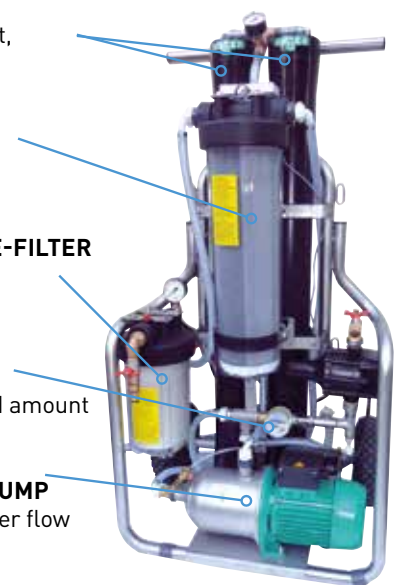
- to protect both membranes

PURE WATER FLOW METRE

- Displays the produced amount of pure water

EXTRA HIGH POWER PUMP

- supports the high water flow



HiFlo RO SOLAR

Part No.	Pack
RO60S	1

* At 18°C water temperature, 4bar water pressure, without counterpressure at the water outlet.

THE HYDRO POWER® RO XXL SYSTEM

- Fully integrated trailer system with reverse osmosis filter and 650 l water tank
- Total flexibility for producing and transporting 100 % pure water for water fed pole cleaning!
- The **ONLY** real alternative to commercial van mounted systems



MOBILITY:



Suitable for vehicles with towing capacity of 1,500 kg. High capacity baffled tank integrated into lightweight chassis for easy towing. DOT road specification, single axle, integrated lights and indicators with brake assist. Supplied with European standard coupling, jockey wheel and manual parking brake. Conforms to EU regulations.

SAFETY:



The multi-chamber tank design with low centre of gravity is designed to maximise stability during transportation. Also includes Auto Shut Off features, activated during water production mode when the tank becomes full and during use when the TDS of the outgoing water measures 5 ppm (can be changed to lower or higher number).

FLEXIBILITY:



The flow rates for Wash and Rinse modes can be adjusted anytime at the digital control panel. This allows the operator(s) to choose more or less powerful flow rates to suit the cleaning job, saving and conserving water when less intense water flow is needed. You can also switch between Wash and Rinse modes at the touch of a button using the wireless remote control.

PROTECTION:



Optional protection cover for the hose reels. Robust truck tarpaulin that can be fixed on the new fixing point at the trailer frame.

- Automatic flush function helps to prevent scaling and pollution of the RO membrane and prolong its lifetime.
- Maximum tank capacity: 650 l pure water
- 1 or 2 man operation via 2 stainless steel hose reels and 2 x 12 V (10 bar, 150 psi) pumps
- 2 high quality 100 m hoses for optimal reach
- Pure water output – up to 125 l per hour per person
- Digital controller monitors water flow, pressure and battery power
- Control water flow manually or by wireless remote control (max. reach 100 m in open area)
- 3 stage water purification production with dedicated 12 V (10 bar, 150 psi) pump. (Carbon Pre-filter, RO Membrane and **HydroPower® DI Filter Polisher**)
- Integrated TDS meter
- High capacity 12 Volt AGM battery offers 'all day' operation before requiring recharge
- Maintenance free 210 amp hour AGM battery with mains charger supplied
- Optional: Protection cover available for hose reels.

AUTOMATIC FLUSH FUNCTION

- **Extended lifespan of the membrane:**
An automatic 5 minute rinse at the start of the water filtration process flushes out impurities and helps to keep the membrane clean which significantly extends its service life.
- **Reduced DI resin consumption:**
Optimised membrane performance results in higher purity of the water passing through the DI filter and therefore extends resin lifetime.
- **Simplified membrane care:**
The conservation liquid is rinsed out from the membrane automatically, saving time and effort it would take you to do this manually.

HydroPower® RO XXL TRAILER

Part No.

TRLR1

18845 (Protection Cover)

REVERSE OSMOSIS FILTER



	HydroPower® RO S (RO20C)	HydroPower® RO M (RO35C)	HydroPower® RO L (RO40C)	HiFlo RO Glass facades (RO60C)	HiFlo RO Solar (RO60S)	HydroPower® RO XXL (TRLR1)
Main features	• Compact design	• High performance • Easy operation	• Maximum performance • Digital assistance system • Automatic maintenance function	• High performance RO filter • High pure water production for large glass surfaces	• High performance RO filter • High pure water production for PV & solar systems	• Trailer system for production and transport of pure water • 650 l pure water tank
Water output power* up to	180 l/h Boost mode: 1,000 l/h	350 l/h	400 l/h	700 l/h	750 l/h	2 x 125 l/h
Water outlets	1	2	3	1	1	2
Pump performance	0.6 kW	0.6 kW	0.75 kW	1.1 kW	1.1 kW	3 x 0.1 kW
Protection class electric pump	IP54	IP54	IP54	IP54	IP54	IP54
Inlet pressure [bar]	1 – 6	1 – 6	1 – 6	1 – 6	1 – 6	1 – 6
Max. operating pressure [bar]	10	10	10	10	10	10
Pump dry run protection	✓	✓	✓	✓	✓	✓
Pure water flow meter	analogue	analogue	digital	analogue	analogue	-
Pre-filter	Combination filter Chlorine/Sediments (ROCA2)	Combination filter Chlorine/Sediments (ROCAR)	Combination filter Chlorine/Sediments (ROCAR)	Combination filter Chlorine/Sediments (17509)	1: Sediment filter (17521) 2: Chlorine filter (17919)	Chlorine filter (19080)
Membranes	1 (ROME2)	2 (ROMEM)	2 (ROMEM)	2 (17189)	2 (17189)	1 (19076)
Resin filter	Cartridge (RORE2)	Cartridge (RORES)	Cartridge (RORES)	Cartridge large (17201)	-	Resin bag (DIB64/DIB84)
TDS Sensors	at the water outlet	after membranes at the water outlet	after pre-filter after membranes at the water outlet	after membranes at the water outlet	after chlorine filter at the water outlet	at the water outlet
Dimensions in cm (Height x Width x Depth)	96 x 53 x 67	107 x 53 x 70	107 x 53 x 70	123 x 75 x 51	123 x 75 x 51	175 x 160 x 350
Empty weight in kg	45	75	75	83	83	700
Weight including filling	50	80	80	89	89	1350
Cable length in m	1.5	1.5	1.5	1.5	1.5	1.6 (charger)
Battery power	-	-	-	-	-	12 V – 210 Ah

*At 18 °C water temperature, 4 bar water pressure and connected outlet hose with 1/2" inner diameter without counterpressure at the water outlet.

i The amount of produced pure water per hour depends on several factors:

1. Water Temperature - the warmer the water, as more pure water can be produced.
2. Hose diameter - the bigger the hose diameter, the higher the waterflow is.
3. Hose length - the longer the hose, the less the waterflow is.

ACCESSORIES



TDS-METER

Handheld Total Dissolved Solids (TDS) meter for measuring water hardness.
 - Measures water hardness instantly in ppm (parts per million).
 - Battery powered
 - Includes protective leather pouch

Art. Nr.	VPE
ROTDS	1



SOAP DISPENSER

For adding cleaning liquid to pure water flow, after passing through the filter unit.
 - Perfect for lifting stubborn dirt and greasy residue from heavily soiled surfaces
 - Simple connection to standard garden hose
 - Easy to refill and adjust concentration

Part No.	Pack
HCDEU	1

Professional tools for classic glass cleaning

All **UNGER** products are expertly designed to meet the high demands of the Professional Window Cleaning Industry.

Innovation and ergonomics are always at the forefront of our research and product development to enable professionals to work faster, more efficiently and above all safely.

Today our range includes wide selection of traditional handheld tools and accessories, built to last and withstand continuous use, day after day.

Most of our tools can be fitted to **UNGER** telescopic pole, allowing you to clean at heights of up to 10 m safely from the ground.

Look out for the **ErgoTec**® Locking Cone symbol, identifying products that can be locked securely on the pole with a quick-release button preventing falling off or spinning.

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SCRAPERS p. 43



TELESCOPIC POLES p. 48



ACCESSORIES p. 54



TRADITIONAL WINDOW CLEANING SQUEEGEES

ERGOtec® NINJA

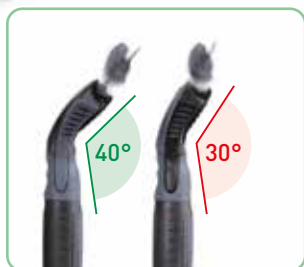


ErgoTec® NINJA WINDOW SQUEEGEE



- Complete with NINJA Channel and professional soft rubber.**
- Ergonomic handle with 180° swivel
 - Handle with TriLoc mechanism for secure hold of the channel
 - Extruded Aircraft Aluminum T6 Channel: will not bend or break
 - Fits securely to pole with Locking Cone

Part No.	Angle	Size	Rubber	Pack
EN300	40°	30 cm	Soft	5
EN350	40°	35 cm	Soft	5
EN450	40°	45 cm	Soft	5
E3300	30°	30 cm	Soft	5
E3350	30°	35 cm	Soft	5
E3450	30°	45 cm	Soft	5



Choose between 40° and 30° head angle versions



The center position can be locked by pressing the lock button



Locking Mechanism to secure the swivel head in center position



New and improved end clip mechanism



ErgoTec® NINJA SQUEEGEE CHANNEL



- Complete with soft rubber and SmartClip end clips.**
- Extruded Aircraft Aluminum T6 Channel: will not bend or break
 - Perfect pressure distribution
 - Fast and easy rubber change

Part No.	Size	Rubber	Pack
AC200	20 cm	Soft	5
AC250	25 cm	Soft	5
AC300	30 cm	Soft	5
AC350	35 cm	Soft	5
AC450	45 cm	Soft	5
AC550	55 cm	Soft	5
AC650	65 cm	Soft	5
AC750	75 cm	Soft	5
AC920	92 cm	Soft	5
AC105	105 cm	Soft	5



ErgoTec® NINJA HANDLE



- Ergonomic swivel handle with 180° swivel
- TriLoc mechanism for secure hold of the channel
- Fits securely to pole with Locking Cone

Part No.	Angle	Pack
EN000	40°	5
E3000	30°	5

i RUBBER INFO

SOFT



- Shore hardness: 52 ± 3
- Ideal for colder temperatures
- Adjusts better to uneven surfaces

HARD



- Shore hardness: 60 ± 3
- Ideal for warmer temperatures
- Ideal for large, smooth surfaces

ERGOTEC®



73g



0°



30°



ErgoTec® CARBON HANDLE



The lightest professional squeegee handle.

- 18 % lighter than bicomponent ErgoTec® squeegee handle
- Made of premium carbon fibre: T700, 7 layers; S-Spring: High value stainless steel 1.4310
- Anti-slip coating for reliable grip
- Compatible with S-Channel and S-Channel Plus
- Fits securely to pole with Locking Cone

Part No.	Pack
UCH00	1

ErgoTec® SQUEEGEE HANDLE



Stainless steel squeegee with bi-component handle.

- New handle with optimised S-spring
- Quick and simple channel change
- Fits securely to pole with Locking Cone
- Compatible with S-Channel and S-Channel Plus

Part No.	Size	Rubber	Pack
ETG00		Handle	10
ETX00	+2.5 cm	Handle XL	10

ErgoTec® SWIVEL LOC HANDLE



Swivel squeegee head, freely adjustable and lockable.

Problem solver for hard-to-reach places.

- Advanced ergonomic bi-component handle for comfortable use
- Available in two head angles: 0° and 30°
- Compatible with S-Channel and S-Channel Plus
- Fits securely to pole with Locking Cone

Part No.	Version	Pack
LS000	0°	5
LA000	30°	5

S SQUEEGEE HANDLE



Stainless steel squeegee with rubber coated handle.

- Solid handle design
- Quick and simple channel change with S-Spring
- Fits on telescopic pole
- Compatible with S-Channel and S-Channel Plus

Part No.	Rubber	Pack
SG000	Handle	10

Pro SQUEEGEE HANDLE



Stainless steel squeegee with rubber coated handle.

- Solid handle design
- Quick release clip for fast and easy channel change
- Fits on telescopic pole
- Compatible with S-Channel and S-Channel Plus

Part No.	Rubber	Pack
PR000	Handle	10

VisaVersa®



Squeegee and washer in one tool. Complete with S-Channel, Original Sleeve and professional soft rubber.

- Time saving performance without changing tool
- Fits securely to pole with Locking Cone
- Compatible with S-Channel and S-Channel Plus

Part No.	Size	Rubber	Material	Pack
VP250	25 cm	Soft	Blended fabric*	10
VP350	35 cm	Soft	Blended fabric*	10
VP450	45 cm	Soft	Blended fabric*	10

* Support material: 100 % polyethylene; Fibres: 100 % polyacrylic

All products on this page, except VisaVersa®, are supplied as Handle only. Channels are available to order separately.

TRADITIONAL WINDOW CLEANING

SQUEEGEE RUBBER & CHANNELS

NEW



Pro SQUEEGEE RUBBER

25 rubbers per storage box. Professional quality.

- Highly durable and efficient
- Sharp edges enable thorough wiping for superior finish
- Sturdy plastic storage box keeps rubbers clean and straight

Part No.	Size	Rubber	Pack
RP300	30 cm	Soft	25
RP350	35 cm	Soft	25
RP450	45 cm	Soft	25
RP30H	30 cm	Hard	25
RP35H	35 cm	Hard	25
RP45H	45 cm	Hard	25



Pro SQUEEGEE RUBBER

10 rubbers per bag. Professional quality.

- Highly durable and efficient
- Sharp edges enable thorough wiping for superior finish

Part No. Soft	Part No. Hard	Size	Pack
RR200	RR20H	20 cm	10
RR250	RR25H	25 cm	10
RR350	RR35H	35 cm	10
RR450	RR45H	45 cm	10
RR550	RR55H	55 cm	10
RR650	RR65H	65 cm	10
RR750	RR75H	75 cm	10
RR920	RR92H	92 cm	10
RR990	RR99H	106 cm	10

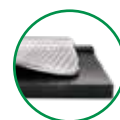
GREEN SQUEEGEE RUBBER

Squeegee rubber with outstanding sliding ability.

- Streak-free results
- Reliable, long-lasting
- Professional quality - Made in Europe

Part No.	Size	Pack
RR25G	25 cm	10
RR35G	35 cm	10
RR45G	45 cm	10
RR55G	55 cm	10

S-plus



S-CHANNEL PLUS

Stainless steel channel with variable positioning options.

Complete with soft rubber.

- Curved ends support the rubber at the edges for improved cleaning close to frame
- Strong and durable
- Easy change of rubber
- Fits ErgoTec®, S- and Pro-squeegees

Part No.	Size	Rubber	Pack
UC300	30 cm	Soft	10
UC350	35 cm	Soft	10
UC450	45 cm	Soft	10



S CHANNEL

Stainless steel channel with variable positioning options.

Complete with soft and hard rubber.

- Strong and durable
- Easy change of rubber
- Fits ErgoTec®, S- and Pro-squeegees

Part No.	Size	Rubber	Pack
NE250	25 cm	Soft	10
NE300	30 cm	Soft	10
NE350	35 cm	Soft	10
NE450	45 cm	Soft	10
NE550	55 cm	Soft	10
NE15H	15 cm	Hard	10
NE25H	25 cm	Hard	10
NE30H	30 cm	Hard	10
NE35H	35 cm	Hard	10
NE45H	45 cm	Hard	10
NE55H	55 cm	Hard	10



GC BRASS SQUEEGEE

- Classic style brass handle.**
Brass channels, complete with soft rubber and plastic clips.
- Sturdy and durable
 - Firm channel fit with screws
 - Fits on telescopic pole

Part No.	Size	Info	Pack
GS000		Brass Handle	10
GC350	35 cm	Brass Channel	10
GC450	45 cm	Brass Channel	10



UniTec SQUEEGEE

- Convenient metal squeegee, good value.**
- Sturdy
 - Firm channel fit with screws
 - Fits on telescopic pole

Part No.	Info	Pack
OG000	Handle	10



UniTec SQUEEGEE LIGHT

- Extra light squeegee for glass or flat surfaces in household area.**
- Ideal for smooth surfaces
 - Fits on telescopic pole
 - Lightweight, fixed aluminium channel

Part No.	Size	Info	Pack
US300	30 cm	Complete	10



HIGHWAY RUBBER

- Cut to fit 15 m rubber roll. Household quality.**
- Convenient and practical
 - Good value deal
 - Cardboard box with easy rubber access

Part No.	Size	Pack
HIXXL	15 m	1



3 STAR RUBBER

- 100 rubbers per box.**
- Longer size - can be cut to size
 - Good value deal
 - Convenient box packaging

Part No.	Info	Pack
RR923	92 cm	1 Box of 100 Rubbers
RR993	105 cm	1 Box of 100 Rubbers



Plastic Clips

- For improved hold of rubber in the channel. Available in solid plastic or brass.**
- Effectively tensions and secures squeegee rubber
 - Detachable one at a time
 - Practical sturdy storage box

Part No.	Info	Pack
PCLIP	Plastic Clips 40/Box Brass Clips 100/Box	10



Ergo HANDLE EXTENSION

- Additional 14 cm reach for cleaning glass.**
- Offers additional reach for safer cleaning without ladders
 - Fits to all cone tools

Part No.	Size	Pack
HH000	14 cm	10



LASSO

- Belt fastening safety tool to secure a squeegee.**
- Prevents squeegee from dropping
 - Flexible and solid, with inner cord made from kevlar
 - Secure hold

Part No.	Size	Pack
SL010	55 cm	10

TRADITIONAL WINDOW CLEANING

SQUEEGEES

PRODUCT OVERVIEW SQUEEGEES



Use the guide below to compare various models of **UNGER** Squeegees and identify the right one for your cleaning tasks and budget.

	BUDGET	HANDLE		SWIVEL	CHANNEL			RUBBER*			🔍	
		Material	Fits to Locking Cone	Tension adjustment	Fitting	Sizes	Material	Type	Soft	Hard		Fitting
ErgoTec® NINJA	★★★	2c		Metal screw needs coin or screw-driver	TriLoc: clip press & release	20 – 105 cm	T6 Aluminium	Molded	✓	-	Side Clips on Ninja Channel	p. 34
ErgoTec® Carbon	★★★	Carbon fibre		-	S-Spring: press & release	-	-	-	-	-	Press S-Spring	p. 35
ErgoTec®	★★★	2c		-	S-Spring: press & release	15 – 55 cm	Stainless Steel	Molded	✓	✓	Press S-Spring	p. 35
ErgoTec® SwivelLoc	★★★	2c		Plastic screw turn 0° position fixable with button	0° screwed plate 30° S-Spring	only handle 0° / 30°	Stainless Steel	Only handle	-	-	0°: screw off plate 30° press S-Spring	p. 35
S	★★	Metal + Rubber sleeve		-	S-Spring: press & release	15 – 55 cm	Stainless Steel	Molded	✓	✓	Press S-Spring	p. 35
Pro	★★	Metal + Rubber sleeve		-	Clip lock easy release	15 – 55 cm	Stainless Steel	Molded	✓	✓	Open clip	p. 35
Visa-Versa®	★★	Plastic Finger grooves		-	S-Spring: press & release	15 – 55 cm	Stainless Steel	Molded	✓	✓	Press S-Spring	p. 35
GC	★	Brass		-	Screwed Plate needs screwdriver	35 – 45 cm	Brass	Extruded	✓	-	Screw off plate	p. 37
UniTec	★	Metal		-	Squeezed by button	25 – 45 cm	Stainless Steel	Extruded	✓	-	Turn button	p. 37
UniTec Light	★	Plastic		-	Channel hold by handle	30 cm	Aluminium	Extruded	✓	-	Fixed to channel	p. 37

* Soft and Hard Rubber are interchangeable and available to order separately.

i PURCHASING GUIDE

- BUDGET:** How long do you work, how large is the area, how many extra features do you need?
- HANDLE:** Weight, Feature, Ergonomics
- SWIVEL FUNCTION:** Do you need to access hard to reach areas? Do you work with telescopic poles?
- CHANNEL:** How large is the surface to be cleaned? How important is a quick channel change?
- RUBBER:** Soft or hard rubber? Professional quality or is standard quality enough?

This product securely locks on ErgoTec® Locking cone.

This product fits on **UNGER** Poles without safety locking mechanism.

★ **GOOD**
Basic version

★★ **BETTER**
Standard version

★★★ **BEST**
Bestseller

👑 **PREMIUM**
Top of the range product

PUSH ON/SCREW ON

PUSH ON AND CLICK TO LOCK IN PLACE

TRADITIONAL WINDOW CLEANING WASHERS



Quality Tools for Smart Cleaning



ERGOtec® NINJA



The center position can be locked by pressing the lock button



Swivel function: Perfect for polework and hard-to-reach-areas



NEW

ErgoTec® Power WASHER

ErgoTec® T-bar and power microfibre sleeve.

- 20 % higher water absorption than standard microfibre sleeves
- Machine washable and suitable for tumble drying
- Two-component handle with water wells
- Locks into place on the safety cone

Part No.	Size	Material	Pack
BC350	35 cm	Microfibre*	10
BC450	45 cm	Microfibre*	10

*Support material: 100 % polyester; Fibres: 100 % polyester

ErgoTec® NINJA WASHER

Complete with NINJA Washer T-Bar and highly absorbent sleeve with Microfibre.

- Ultimate cleaning performance. Sleeve is machine washable up to 500 times
- Sleeve with rows of scrubbing fibres and 2 abrasive side pads
- Strong yet lightweight hard anodised aluminium T-Bar with 180° swivel function
- Fits securely to pole with Locking Cone

Part No.	Size	Material	Pack
NA350	35 cm	Blended fabric*	5
NA450	45 cm	Blended fabric*	5

*Support material: 100 % polyamide; Fibres: 70 % polyacrylic, 20 % polyethylene, 10 % polyamide

StripWasher® MicroStrip PAC

Complete washer with highly absorbent microfibre sleeve.

- Superior cleaning power
- Sleeve with side scrub pad is machine washable up to 500 times
- Lightweight plastic T-Bar with water wells fits securely to pole

Part No.	Size	Material	Pack
NC350	35 cm	Microfibre*	10
NC450	45 cm	Microfibre*	10

*Support material: 100 % polyamide; Fibres: 100 % polyethylene

StripWasher® Pad STRIP PAC

Complete washer with blended fabric sleeve and scrub pad strip.

- Removes tough dirt
- Sleeve with scrub pad is machine washable up to 500 times
- Lightweight plastic T-Bar with water wells fits securely to pole

Part No.	Size	Material	Pack
RC350	35 cm	Scrub Pad + Fabric*	10
RC450	45 cm	Scrub Pad + Fabric*	10

*Support material: 100 % polyethylene; Fibres: 80 % polyacrylic, 20 % polyethylene

StripWasher® Monsoon STRIP PAC

Complete washer with blended, extra long fibre sleeve.

- Excellent cleaning power
- Sleeve with side scrub pad is machine washable up to 500 times
- Lightweight plastic T-Bar with water wells fits securely to pole

Part No.	Size	Material	Pack
MC350	35 cm	Blended fabric*	10
MC450	45 cm	Blended fabric*	10

*Support material: 100 % polyamide; Fibres: 70 % polyacrylic, 20 % polyethylene, 10 % polyamide

StripWasher® Original STRIP PAC

Complete washer with blended fabric sleeve.

- Good cleaning power
- Sleeve is machine washable up to 500 times
- Lightweight plastic T-Bar with water wells fits securely to pole

Part No.	Size	Material	Pack
WC250	25 cm	Blended fabric*	10
WC350	35 cm	Blended fabric*	10
WC450	45 cm	Blended fabric*	10

*Support material: 100 % polyethylene; Fibres: 100 % polyacrylic

TRADITIONAL WINDOW CLEANING WASHER T-BARS

ERGOTEC® NINJA



ErgoTec® NINJA T-BAR



- Durable, lightweight hard anodized aluminium T-Bar.**
- Ergonomic bi-component handle with 180° swivel and lock function
 - Superior performance without causing excessive strain on arms and shoulders
 - Fits securely to pole with Locking Cone

Part No.	Size	Pack
NI250	25 cm	5
NI350	35 cm	5
NI450	45 cm	5
NI550	55 cm	5
NI750	75 cm	5



ErgoTec® T-BAR



- Durable plastic T-Bar with ergonomic bi-component handle.**
- Water wells for increased water retention
 - Fits securely to pole with Locking Cone

Part No.	Size	Pack
EH250	25 cm	10
EH350	35 cm	10
EH450	45 cm	10



Swivel T-BAR



- Lightweight aluminium T-bar with adjustable head and plastic handle.**
- Angle adjustable to 7 positions with set screw
 - Fits securely to pole with Locking Cone

Part No.	Size	Pack
SV350	35 cm	5
SV450	45 cm	5



Alu T-BAR



- Lightweight solid aluminium T-Bar with plastic handle.**
- Finger grooves on the handle for secure grip
 - Fits securely to pole with Locking Cone

Part No.	Size	Pack
AT150	15 cm	10
AT250	25 cm	10
AT350	35 cm	25
AT450	45 cm	25
AT550	55 cm	10



UniTec T-BAR



- Lightweight monolithic plastic T-Bar.**
- Water wells for increased water retention
 - Fits securely to pole with Locking Cone

Part No.	Size	Pack
OE250	25 cm	10
OE350	35 cm	10
OE450	45 cm	10

TRADITIONAL WINDOW CLEANING WASHER SLEEVES



Quality Tools for Smart Cleaning



NEW

ErgoTec® NINJA SLEEVE ***

Blended fabric sleeve with 2 abrasive side pads and hooks & loops fastener.

- Ultimate cleaning performance
- With rows of scrubbing fibres for effective removal of stubborn dirt
- High water retention
- Machine washable up to 500 times

Part No.	Size	Material	Pack
NJ250	25 cm	Blended fabric*	5
NJ350	35 cm	Blended fabric*	5
NJ450	45 cm	Blended fabric*	5
NJ550	55 cm	Blended fabric*	5
NJ750	75 cm	Blended fabric*	5

*Support material: 100 % polyamide; Fibres: 70 % polyacrylic, 20 % polyethylene, 10 % polyamide

Power MICROFIBRE SLEEVE ***

Power microfibre sleeve with scrubbing pad for ultimate cleaning power, with hooks & loops fastener

- 20 % higher water absorption than standard microfibre sleeves
- Machine washable and suitable for tumble drying

Part No.	Size	Material	Pack
BS250	25 cm	Microfibre*	10
BS350	35 cm	Microfibre*	10
BS450	45 cm	Microfibre*	10
BS550	55 cm	Microfibre*	10

*Support material: 100 % polyester; Fibres: 100 % polyester

MicroStrip MICROFIBRE SLEEVE ***

Microfibre sleeve with scrub pad and hooks & loops fastener.

- Superior cleaning power
- High water retention - up to 6 times its own weight
- Machine washable up to 500 times

Part No.	Size	Material	Pack
NS250	25 cm	Microfibre*	10
NS350	35 cm	Microfibre*	10
NS450	45 cm	Microfibre*	10
NS550	55 cm	Microfibre*	10

*Support material: 100 % polyamide; Fibres: 100 % polyethylene



Original SLEEVE **

Blended fabric standard sleeve with hooks & loops fastener.

- Good cleaning power
- Machine washable up to 500 times

Part No.	Size	Material	Pack
WS250	25 cm	Blended fabric*	10
WS350	35 cm	Blended fabric*	10
WS450	45 cm	Blended fabric*	10
WS550	55 cm	Blended fabric*	10

*Support material: 100 % polyethylene; Fibres: 100 % polyacrylic



Pad SLEEVE **

Blended fabric standard sleeve with scrub pad strip and hooks & loops fastener.

- Time efficient cleaning of heavily soiled surfaces
- Machine washable up to 500 times

Part No.	Size	Material	Pack
RS350	35 cm	Scrub Pad + Fabric*	10
RS450	45 cm	Scrub Pad + Fabric*	10

*Support material: 100 % polyethylene; Fibres: 80 % polyacrylic, 20 % polyethylene



Monsoon SLEEVE ***

Blended fabric sleeve with extra long fibres, scrub pad and hooks & loops fastener.

- Excellent cleaning power
- High water retention
- Machine washable up to 500 times

Part No.	Size	Material	Pack
MS150	15 cm	Blended fabric*	10
MS250	25 cm	Blended fabric*	10
MS350	35 cm	Blended fabric*	10
MS450	45 cm	Blended fabric*	10
MS550	55 cm	Blended fabric*	10

*Support material: 100 % polyamide; Fibres: 70 % polyacrylic, 20 % polyethylene, 10 % polyamide



UniTec SLEEVE *

Synthetic fibre washer sleeve with snap fasteners.

- Good cleaning power
- Good value deal
- Machine washable up to 500 times

Part No.	Size	Material	Pack
ON250	25 cm	Polyester*	10
ON350	35 cm	Polyester*	10
ON450	45 cm	Polyester*	10

*Support material/Fibres: 100 % polyester

TRADITIONAL WINDOW CLEANING WASHERS

PRODUCT OVERVIEW WASHERS



Use the guide below to compare various models of **UNGER** washers and sleeves and identify the right one for your cleaning tasks and budget.

T-BARS

	BUDGET	HANDLE		SWIVEL FUNCTION		T-BAR				
		Material	Fits to Locking Cone	Swivel Head	Tension adjustment	Material	Weight	Available Sizes	Function	
ErgoTec® NINJA	★★★	Plastic with rubber insert		✓	Screw	Aluminium	Very light	25 – 75 cm	Swivel head	p. 40
ErgoTec®	★★★	Plastic with rubber insert		–	–	Plastic	Light	25 – 45 cm	Water wells	p. 40
Alu	★★	Plastic		–	–	Aluminium	Very light	15 – 55 cm	Low weight	p. 40
Swivel	★★	Plastic		✓	Knob	Aluminium	Very light	35 – 45 cm	Swivel head	p. 40
UniTec	★	Plastic		–	–	Plastic	Light	25 – 45 cm	Water wells	p. 40

SLEEVES

	BUDGET	MATERIAL	FEATURES	AVAILABLE SIZES	FASTENING	SCRUB PAD	
ErgoTec® NINJA	★★★	100 % polyamide* 70 % polyacrylic** 20 % polyethylene** 10 % polyamide**	Superb water absorption and scrubbing action	25 – 75 cm	Hooks & Loops	2 x	p. 41
Power	★★★	100 % polyester*/**	20 % higher water absorption	25 – 55 cm	Hooks & Loops	1 x	p. 41
MicroStrip	★★★	100 % polyamide* 100 % polyethylene**	High water retention - up to 6 times its own weight	25 – 55 cm	Hooks & Loops	1 x	p. 41
Monsoon	★★★	100 % polyamide* 70 % polyacrylic** 20 % polyethylene** 10 % polyamide**	High water retention	15 – 55 cm	Hooks & Loops	1 x	p. 41
Original	★★	100 % polyethylene* 100 % polyacrylic**	Good cleaning power	25 – 55 cm	Hooks & Loops	1 x	p. 41
Pad	★★	100 % polyethylene* 80 % polyacrylic** 20 % polyethylene**	Removes tough dirt	35 + 45 cm	Hooks & Loops	–	p. 41
UniTec	★	100 % polyester*/**	Standard cleaning power	25 – 45 cm	Snap fasteners	–	p. 41

* Support material
** Fibres

★ **GOOD**
Basic version

★★ **BETTER**
Standard version

★★★ **BEST**
Bestseller

PREMIUM
Top of the range product

**PUSH ON/
SCREW ON**

**PUSH ON AND CLICK
TO LOCK IN PLACE**

TRADITIONAL WINDOW CLEANING GLASS SCRAPERS

UNGER

Quality Tools for Smart Cleaning

The **UNGER GLASS SCRAPERS** with carbon or stainless steel reversible blades, featuring 2 sharp edges, are perfect for removing bird droppings, paint, tape, stickers and post-construction debris from the glass.

The **UNGER SURFACE SCRAPERS** with reversible stainless steel blades, featuring 1 sharp and 1 blunt edge, are great for heavy duty applications. Use the blunt edge to remove stubborn dirt, including cement and stucco.

UNGER PREMIUM GLASS SCRAPER BLADES STAINLESS STEEL



- Durable dual-sided replacement scraper blades are made from rust resistant 440A grade stainless steel which provides excellent edge retention and break resistance, ensuring that blades stay sharp for a long time.
- Each blade undergoes a precise angle honing process, creating a razor sharp and consistent cutting angle, enhancing the speed and effectiveness of every scraper pass.
- Perfect for removing paint, decals, tape, heavy soil and debris from glass surfaces, as well as construction clean up.
- Compatible with most flat or angled 10 cm (4") or 15 cm (6") scrapers.

UNGER CARBON STEEL BLADES



- Made of extra-sharp carbon steel and each blade is 4-way sharpened
- Two sharp sides for twice the wear on selected scraper blades
- Both sides lacquered for longer rust protection
- Individual wrapping in wax paper helps to protect blades from rusting and sticking together
- Safely packed and stored in convenient plastic dispenser. Blades remain dry and always available in safe dispenser



TRADITIONAL WINDOW CLEANING GLASS SCRAPERS

ERGOTEC® NINJA

Practical Holster
for the Belt



Available in 2 sizes:
10 cm 15 cm



Switch the angle of the scraper head
from 0 to 30° at the touch of a button!



Safer and easier blade change –
push slider release lock to access
and change blade



Scraper includes removable
protective blade cover



Practical Holster & Scraper Combo

ErgoTec® NINJA SCRAPER

The world's first 2-in-1 scraper for professional window cleaning.

- The angle of the scraper head can be switched from straight to 30°
- Safer and easier blade change
- Fits securely to poles with Locking Cone
- Includes UNGER Premium Glass Scraper Blade Stainless Steel

Part No.	Blade	Pack
EN100	10 cm	5
EN150	15 cm	5

ErgoTec® NINJA COMBO (SCRAPER + HOLSTER)

Part No.	Blade	Pack
ENH10	10 cm	5
ENH15	15 cm	5

ErgoTec® NINJA HOLSTER

Made of durable solid plastic, the Holster is built to withstand frequent contact with sharp blades thanks to its integrated stainless steel strike plate.

- Fits to most standard tool belts
- Fits the scraper with or without protective cap

Part No.	Compatible	Pack
HT150	Fits 10 cm and 15 cm scraper	5

PREMIUM GLASS SCRAPER BLADES STAINLESS STEEL

Part No.	Blade	Info	Pack
ENB10	10 cm	1 case = 25 blades	10 cases
ENB15	15 cm	1 case = 25 blades	10 cases

Also fits ErgoTec®, ProTrim and Trim scrapers

4 CM, SINGLE SHARP EDGE BLADE



ErgoTec® SAFETY SCRAPER

Ergonomic scraper with safety mechanism.

Spare blades: SRB10, SRB20, SRBDB.

- Single sharp edge blade
- Made of metal with rubber grip, sturdy and durable
- Retractable blade for safety

Part No.	Size	Info	Pack
SR03K	4 cm	20 in a box	20
SR04K	4 cm	50 in a display box	50

SAFETY SCRAPER

**

Convenient scraper with safety mechanism.

Spare blades: SRB10, SRB20, SRBDB.

- Single sharp edge blade
- Made of metal, sturdy and durable
- Retractable blade for safety

Part No.	Size	Info	Pack
SR20K	4 cm	20 in a box	20
SR50K	4 cm	50 in a display box	50



MINI SCRAPER

*

Handy plastic scraper with special locking mechanism.

- Extremely handy - fits anywhere!
- Single edge blade for safety

Part No.	Size	Info	Pack
STMIN	4 cm	In a plastic bucket	100



CARBON STEEL BLADES FOR GLASS SCRAPERS 4 cm

For SR03K, SR04K, SR20K, SR50K, STMIN.

- Single edge razor blade with aluminium holder
- Easy to replace
- SRBDB includes dispenser with tray for old blades

Part No.	Size	Info	Pack
SRB10	4 cm	100 loose blades	1 box
SRB20	4 cm	250 blades (50x5)	1 box
SRBDB	4 cm	480 blades (48x10 in dispenser)	48 disp.



10/15 CM, REVERSIBLE SHARP BLADE



ErgoTec® GLASS SCRAPER

Large surface blade with ergonomic bi-component handle.

Spare blades: TR100 (10 cm), TR150 (15 cm).

- Reversible sharp blade
- Simple slide blade change, with protective cap for safety
- Fits securely to pole with Locking Cone

Part No.	Size	Info	Pack
EG100	10 cm	Packed in a display box	10
EG150	15 cm	Packed in a display box	10



PROTRIM 10

The convenient lightweight scraper for every day.

Spare blades: TR100, KL100.

- Convenient and compact
- Retractable blade for safety
- Blade replacement and cleaning at push of a button

Part No.	Size	Info	Pack
TX100	10 cm	Packed in display box	10



TRIM 10+1

**

stainless steel glass scraper. In practical plastic box, with 10 blades.

Spare blades: TR100, KL100.

- Strong stainless steel
- Fits in UNGER squeegee handles
- Folding mechanism for safety

Part No.	Size	Info	Pack
TM100	10 cm	1 case = 1 holder+10 blades	10 cases
TH100	10 cm	1 box = 25 holder in bundles of 5	25

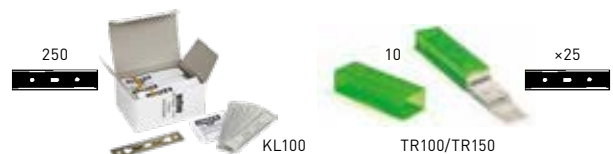


CARBON STEEL BLADES FOR GLASS SCRAPERS 10/15 cm

Carbon steel blades with reversible sharp edges.

For TX100, EG100, EG150, TM100, EN100, EN150.

Part No.	Size	Info	Pack
KL100	10 cm	250 loose blades	1 box
TR100	10 cm	250 blades (10 cases x 25 blades)	10 cases
TR150	15 cm	250 blades (10 cases x 25 blades)	10 cases



SURFACE SCRAPERS

10 CM, REVERSIBLE SHARP/BLUNT EDGE BLADE



ErgoTec® SCRAPER

Ergonomic surface scraper with bi-component handle.

Spare blades: RB100.

- Advanced ergonomic handle design for comfortable use
- Angled, heavy metal head with reversible sharp/blunt edge blade

Part No.	Size	Pack
SH000	10 cm	10



ErgoTec® LONG HANDLE SCRAPER

The surface scraper with extra power with bi-component handle.

Spare blades: RB100.

- 25 cm long handle for extra reach and power
- Reversible sharp/blunt blade
- Blade protection cap for safety

Part No.	Size	Pack
SH250	10 cm	10



STAINLESS STEEL BLADES FOR SURFACES

Reversible sharp/blunt edge stainless steel blade. For SH000, SH250

- Sharp edge for scraping off paint, stickers, etc.
- Blunt side for removing cement and stucco
- Compact dispenser stores new and used blades
- Blades easily slide in and out of dispenser

Part No.	Size	Info	Pack
RB100	10 cm	1 dispenser = 10 blades	10 disp

i → EXPERT TIPS

- Check if glass is scratch-resistant and suitable for scraper use. Unsuitable for use on Plexiglas, crown glass, solar glass, safety glass (ESG). Follow the manufacturer's care instructions
- Perform a scrape test in advance on an inconspicuous section
- Before starting work, check the glass for damage and report it, if necessary
- Check the blade for damage and change it, if necessary, or reverse it
- The surface to be scraped should always be wet
- It is best to use a release agent, e.g. "UNGER's Liquid"
- Always scrape in one direction! Never pull the scraper back – scratch risk!
- After scraping, check if adhesive or stucco residues are stuck to blade. If necessary, change or reverse blade

ATTENTION! UNGER blades are razor-sharp.
Always handle with greatest care.




OVERVIEW OF GLASS SCRAPERS

GLASS SCRAPER (2-sided sharp blade)	QUALITY	BLADE MATERIAL	BLADE SIZE	HANDLE	FITS ON SAFETY CONE	SWIVEL FUNCTION	BLADE CHANGE	PROTECTION MECHANISM	
 ErgoTec® NINJA (EN100, EN150)	***	Stainless steel	10 cm 15 cm	2c-material		✓	Carriage	Cap	p. 44
 ErgoTec® (EG100, EG150)	***	Carbon steel	10 cm 15 cm	2c-material		-	Carriage	Cap	p. 45
 PROTRIM (TX100)	***	Carbon steel	10 cm	Plastic	-	-	unfold	retractable blade	p. 45
 ErgoTec® SAFETY SCRAPER (SR03K, SR04K)	***	Carbon steel	4 cm	Stainless steel with rubber coating	-	-	push out sideways	retractable blade	p. 45
 TRIM 10+1 (TM100, TH100)	**	Carbon steel	10 cm	Stainless steel	-	-	push out sideways	Folding mechanism	p. 45
 SAFETY SCRAPER (SR20K, SR50K)	**	Carbon steel	4 cm	Stainless steel	-	-	push out sideways	retractable blade	p. 45
 MINI SCRAPER (STMIN)	*	Carbon steel	4 cm	Plastic	-	-	push out sideways	Turn blade	p. 45

GLASS SCRAPER BLADES (2-sided sharp)	QUALITY	MATERIAL	SIZE	COMPATIBLE WITH SCRAPER						PACKAGING			
				NINJA	ERGOTEC	PROTRIM	TRIM 10+1	ERGOTEC SAFETY SCRAPER	MINI SCRAPER	BOX	BOX CONTENTS	PACK	
 PREMIUM GLASS SCRAPER BLADES (ENB10, ENB15)	***	Stainless steel	15 cm	✓	✓	-	-	-	-	Carry case	25 blades	10 carry cases (250 blades)	p. 45
			10 cm	✓	✓	✓	✓	-	-	Carry case	25 blades	10 carry cases (250 blades)	p. 45
 GLASS SCRAPER BLADES (KL100, TR100, TR150, SRB10, SRB20, SRBDB)	***	Carbon steel	15 cm	✓	✓	-	-	-	-	Carry case	25 blades	10 carry cases (250 blades)	p. 45
			10 cm	✓	✓	✓	✓	-	-	Box	250 blades	1 box (250 blades)	p. 45
			10 cm	✓	✓	✓	✓	-	-	Blister pack	100 blades	1 blister pack (100 blades)	p. 45
			4 cm	-	-	-	-	✓	✓	Display box	50 boxes of 5 blades each	1 box (250 blades)	p. 45
									Display box	48 Dispenser of 10 blades each	1 box (480 blades)	p. 45	

OVERVIEW OF SURFACE SCRAPERS

SURFACE SCRAPERS (1-sided sharp blade)	QUALITY	BLADE MATERIAL	BLADE SIZE	HANDLE	FITS ON SAFETY CONE	MORE ANGLED METAL HEAD	BLADE CHANGE	PROTECTION MECHANISM	
 ErgoTec® SCRAPER (SH000)	***	Stainless steel	10 cm	2c-material		✓	Unscrew the slider	Cap	p. 46
 ErgoTec® LONG HANDLE SCRAPER (SH250)	***	Stainless steel	10 cm	Langgriff (25cm) 2c-material	-	✓	Unscrew the slider	Cap	p. 46

SURFACE SCRAPERS BLADES (1-sided sharp)	QUALITY	MATERIAL	SIZE	COMPATIBLE WITH SCRAPER			VERPACKUNG			
				ERGOTEC	ERGOTEC LONG HANDLE SCRAPER	FLOOR SCRAPER LIGHT	BOX	BOX CONTENTS	PACK	
 PREMIUM SURFACE BLADES (RB100)	***	Stainless steel	10 cm	✓	✓	✓	Display Box	10 Dispenser 10 blades each	10 Dispenser (100 blades)	p. 46

TRADITIONAL WINDOW CLEANING

TELESCOPIC POLE SYSTEM



TELESCOPIC POLE SYSTEM

Safety at the highest level.

UNGER telescopic poles have always been the ideal tool for the job when it comes to making professional glass cleaning from the ground easier – and in addition save time and money.

OptiLoc

For even more ease of use and handling, **UNGER** has now further optimised its **OptiLoc** telescopic poles. Thanks to the new 2-component twist lock, this new generation of **OptiLoc** telescopic poles offers many advantages.

- 2 or 3 section telescopic pole
- Available in 9 different lengths
- Reach in excess of 9 m (30 ft)
(max. pole length 9 m (30 ft) + body height)
- Weight and rigidity perfectly balanced
- **ErgoTec**® Locking Cone included

TelePlus System

- Extendable modular telescopic pole
- 2 section basic poles
- Extensions 1.25 m (4 ft) or 2.00 m (6.5 ft) – simply attach
- Reach in excess of 10 m (32 ft)
(max. pole length 10 m (32 ft) + body height)
- **ErgoTec**® Locking Cone included

UniTec

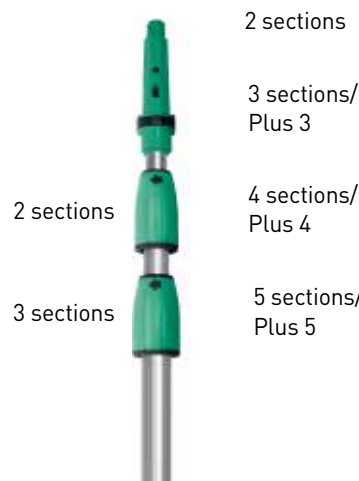
- 2 section telescopic pole
- Available in 3 different lengths
- Interior lock, twist right or left for locking
- Reach in excess of 4 m (13 ft)
(max. pole length 4 m (13 ft) + body height)

i AVOID WORKING ON LADDERS

- **UNGER** telescopic poles allow you to work safely reaching up to 10 m height, while standing on the ground
- The **UNGER ErgoTec**® Locking Cone ensures safer operation, since the tools lock in place and cannot drop
- Most accidents with ladders are caused by wrong handling, and not their damage
- Always check whether cleaning from the ground is a safe option. If not, discuss safe alternatives and corresponding costs with your client
- Always insist on safe working conditions. Do not risk your life just because the client does not accept certain services!
- Always choose the safest way. Ladders should not automatically be first choice simply due to convenience
- Ladders become extremely unsafe under certain conditions: Rain makes the ground slippery; uneven ground or contaminations can result in tilting, or even falling

TelePlus

OptiLoc



UniTec



TRADITIONAL WINDOW CLEANING

OPTI LOC

UNGER

Quality Tools for Smart Cleaning



ERGOTEC® LOCKING CONE

- Compatible with all UNGER tools.
- Prevents tools from falling down
- Fast and easy tool change



2-COMPONENT- TWIST LOCK

- Easier to open and close
- Better grip even with wet hands



ERGONOMIC HANDLE DESIGN

- 2c surface for a comfortable grip
- Ergonomic and secure grip even in wet conditions



ANTI-SLIP END CAP

- Safe stand when you set the OptiLoc telescopic pole down
- Protects from damage



TRADITIONAL WINDOW CLEANING TELESCOPIC POLE SYSTEM

OPTI LOC



OptiLoc POLE, 2 SECTIONS

With bi-component handles and twist locks, with ErgoTec® Locking Cone.

Part No.	Size
EZ120	1.25 m (4 ft)
EZ250	2.50 m (8 ft)
EZ300	3 m (10 ft)
EZ400	4 m (13 ft)
EZ500	5 m (16 ft)
EZ600	6 m (20 ft)

OptiLoc POLE, 3 SECTIONS

With bi-component handles and twist locks, with ErgoTec® Locking Cone.

Part No.	Size
ED180	1.85 m (6 ft)
ED370	3.75 m (12 ft)
ED450	4.50 m (15 ft)
ED600	6.00 m (20 ft)
ED750	7.50 m (25 ft)
ED900	9.00 m (30 ft)

TELE PLUS



TelePlus POLE, 1.25 m SECTIONS

Modular Telescopic pole with ErgoTec® Locking Cone.

Part No.	Size	Sections
TZ250	2.50 m (8 ft)	2
TD370	3.70 m (12 ft)	3
TV500	5 m (16 ft)	4
TF620	6.20 m (20 ft)	5



TelePlus POLE, 2.00 m SECTIONS

Modular Telescopic pole with ErgoTec® Locking Cone.

Part No.	Size	Sections
TZ400	4 m (13 ft)	2
TD600	6 m (20 ft)	3
TV800	8 m (26 ft)	4
TF100	10 m (33 ft)	5



TelePlus3 EXTENSION

Extension for 2 section poles. Ø 29 mm

Part No.	Size
T3120	1.25 m (4 ft)
T3200	2 m (6.5 ft)



TelePlus4 EXTENSION

Extension for 3 section poles. Ø 33 mm

Part No.	Size
T4120	1.25 m (4 ft)
T4200	2 m (6.5 ft)



TelePlus5 EXTENSION

Extension for 4 section poles. Ø 37 mm

Part No.	Size
T5120	1.25 m (4 ft)
T5200	2 m (6.5 ft)

UNI TEC



UniTec POLE, 2 SECTIONS

Telescopic pole with standard nylon cone.

Part No.	Size
OS210	2 m (6.5 ft)
OS250	3 m (10 ft)
OS260	4 m (13 ft)









ONE STAGE POLE, 1 SECTION

With ErgoTec® Locking cone. Ø 21 mm

Part No.	Size
HH240	60 cm (24")

OVERVIEW TELESCOPIC POLES

ALUMINIUM TELESCOPIC POLES	QUALITY	EXTENSION	ELEMENTS	POLE LENGTH										LENGTH ADJUSTMENT	HANDLE	SAFETY CONE	
				UP TO 2 M (6.5 FT)	UP TO 3 M (10 FT)	UP TO 4 M (13 FT)	UP TO 5 M (16 FT)	UP TO 6 M (20 FT)	UP TO 7 M (23 FT)	UP TO 8 M (26 FT)	UP TO 9 M (30 FT)	UP TO 10 M (33 FT)					
 OptiLoc	★★★	Telescopic	2	EZ120	EZ250 EZ300	EZ400	EZ500	EZ600	EZ600						Twist lock, 2c plastic	2c plastic with Anti-slip end cap	
			3	ED180		ED370	ED450	ED600	ED600	ED750	ED900						
 TelePlus	★★	Telescopic + modular	2		TZ250	+ T3120	+ T3120 + T4120	+ T3120 + T4120 + T5120							Twist lock, plastic	Plastic	
			3		TD370	+ T4120	+ T4120 + T5120										
			4		TZ400		+ T3200	+ T3200 + T4200 + T5200									
			4		TV500		+ T5120										
			3		TD600		+ T4200	+ T4200 + T5200									
			5		TF620												
 UniTec	★	Telescopic	2	OS210	OS250	OS260								Inner closure	Plastic		
			4														
			5														

i

USE THE HIGH QUALITY nLite® ALUMINIUM TELESCOPIC POLE



- Easy to use clamps for length adjustment
- Maximum stability – precisely matched tube diameters
- Optimum pole diameter 35 mm
- 4-part pole, available with reach of 6.00 m and 4.50 m
- Can be extended up to 9.00 m with a second telescopic pole
- Compatible with classic glass cleaning tools with a cone adapter



Part No.	Product	Size
AN60G	nLite telescopic pole, 4-part	6.00 m
AN45G	nLite telescopic pole, 4-part	4.50 m
AN30G	nLite extension pole, 2-part	3.00 m
HFNLC	nLite cone adapter with cone	

Aluminium poles p. 18



ADAPTERS & MAINTENANCE



ANGLE JOINTS

Freely adjustable angle allows access to hard-to-reach places.
 – Available in sturdy zinc version or lightweight plastic version
 – Fits to telescopic pole

Part No.	Version	Pack
CJA00	Zinc	5
CJN00	Plastic	5



THREAD ADAPTER 1/2"

With 1/2" thread. Fits conventional brooms.
 – Adapter is inserted into pole and locks in place via stand spring

Part No.	Pack
BE000	5



ErgoTec® LOCKING CONE

Securely locks tools on the telescopic pole.
 – Compatible with all UNGER systems
 – Quick and easy tool change via release button

Part No.	Pack
NCAN0	5



CONE

For attaching or screwing on tools.
 – Cone is inserted into pole and locks in place via stand spring

Part No.	Pack
NCA00	5



THREAD ADAPTER FOR ALU-POLES

Anodized aluminium adapter for fitting the Pad Holder to aluminium poles.
 – Fits into any UNGER aluminium pole with 21mm diameter – just click in
 – Enables connection between aluminium poles and MultiLink Goosenecks, Extensions and Brushes

Part No.	Pack
AFAET	5



TOOL HOLDER

Ideal for paint rollers, scrapers and other tools with up to Ø 3cm handle.
 – Enables safe operation from the ground with secure tool handle lock
 – Adjustable angle that locks securely via bolt with nut
 – Fits to telescopic pole

Part No.	Pack
PBR00	5



BULB CHANGER

For changing round light bulbs in high access areas without ladders. Rubber coated spring steel fingers.
 – Enables safer and faster bulb change from the ground
 – Fits to telescopic pole

Part No.	Pack
BS010	5



FLOOD SUCKER

For changing flat light bulbs in high access areas without ladders. With suction cups.
 – Enables safer and faster bulb change from the ground
 – Fits to telescopic pole

Part No.	Pack
FS000	5



FIXI-SYSTEM

Innovative cleaning system, ideal for cleaning large and high surfaces such as boats and vehicles.
 – Firmly retains a sponge or cloth by tightening the locking collar
 – Fits on telescopic pole
 – Stiff bristle brush effectively removes stubborn dirt

Part No.	Version	Pack
FIXI0	Clamp	5
HBR00	Brush	5
SP010	Sponge	10



TRADITIONAL WINDOW CLEANING GLASS CLOTHS

WINDOW MICROFIBRE CLOTH SYSTEM



CLEANING WITH MICROFIBRE

Microfibre is highly efficient in removing dirt, oils, embedded soils and bacteria from surfaces without chemicals due to its slightly abrasive fibre texture. When used dry the statically charged fibre attracts and holds dust in place, unlike cotton or paper cloths.

Highly absorbent microfibre requires less water and chemicals for effective cleaning, allowing a reduction in water and harsh chemical consumption.

Microfibre is hard wearing and reusable generating less waste for landfill disposal than cotton or paper disposable cloths.



ErgoTec® NINJA MICROWIPE



Best in Class premium lint free microfibre cloth.

- Fabric weight: 400 g/m²
- Double sided - coarse for cleaning and smooth for polishing
- With 4 scrubbing corners for removing stubborn dirt
- Pocket corners for hanging the cloth on the pole for detailing at height
- Reinforced overlock stitch along the edges ensures shape retention
- Machine washable up to 500 times

Part No.	Size	Material	Pack
MN40H	40 × 40 cm	Microfibre*	5
MN55H	55 × 55 cm	Microfibre*	5
MN60H	80 × 60 cm	Microfibre*	5



MICROWIPE LITE



Lint free microfibre cloth.

- Fabric weight: 300 g/m²
- Super soft, easy to use low friction material
- Overlock stitch along the edges ensures shape retention
- Machine washable up to 200 times

Part No.	Size	Material	Pack
MF40E	40 × 40 cm	Microfibre*	10
MF60E	60 × 80 cm	Microfibre*	10



MICROWIPE



The "Original" lint free microfibre cloth.

- Fabric weight: 350 g/m²
- Double sided - coarse for cleaning and smooth for polishing
- Overlock stitch along the edges ensures shape retention
- Machine washable up to 500 times

Part No.	Size	Material	Pack
MF40L	40 × 40 cm	Microfibre*	10
MF60L	60 × 80 cm	Microfibre*	10



CHAMOIS

Professional quality sheepskin chamois.

- Excellent for glass cleaning
- Quality checked by hand

Part No.	Size	Material	Pack
FS450	ca. 0.4 m ²	Sheepskin	5
FS550	ca. 0.5 m ²	Sheepskin	5



SCRIM

For polishing and spot cleaning of glass surfaces.

- Robust and durable
- Generous size for large surface. Washed scrim cloth size may vary slightly due to shrinking.
- Versatile best seller

Part No.	Size	Material	Pack
SCR1	92 × 92 cm	100 % Linen, unwashed	10
SCR1W	92 × 92 cm	100 % Linen, washed	10

* 70 % polyester, 30 % polyamide

TRADITIONAL WINDOW CLEANING GLOVES



Quality Tools for Smart Cleaning

GLOVES



NEOPRENE GLOVES

Get a grip on winter weather in these robust and durable gloves. Flexible lightweight Neoprene keep fingers warm, with adjustable hooks & loops fastener on wrist helping protect the hand from wind.

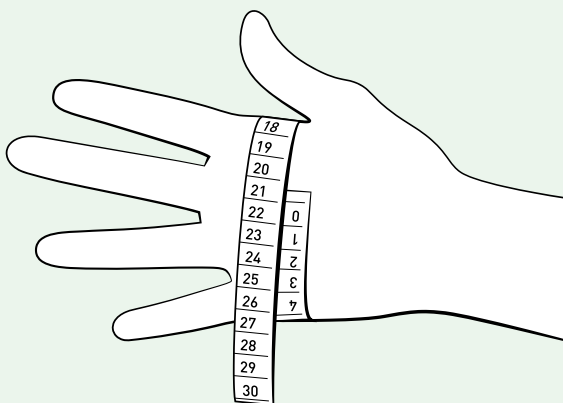
POLE GLOVES

Premium quality Pole Gloves designed to enhance grip, associated with prolonged pole use.



IDENTIFY YOUR GLOVE SIZE:

Measure the circumference of your hand at the widest point, right under the knuckles, excluding thumb. Check our size guide charts on the right to identify your glove size.



ErgoTec® NEOPRENE GLOVES

★★★

Gloves for window cleaning, made of 3 mm thick textile neoprene.

- Tear resistant stitching and glue seal along seams for durability
- Knuckle inserts and flexible curved shape for ultra comfort
- Non slip palm with screened-on silicone for secure grip
- Adjustable hooks & loops wrist strap

Part No.	Size	Hand circumference	Material	Pack
GLO2S	7	18 – 19 cm	Neoprene, textile	5
GLO2L	8	20 – 21 cm	Neoprene, textile	5
GLO2X	9	22 – 23 cm	Neoprene, textile	5
GLO2Z	10	24 – 25 cm	Neoprene, textile	5



NEOPRENE GLOVES

★★

Gloves for window cleaning. Rubber Neoprene.

- Tear resistant stitching and glue seal along seams for durability
- Soft and comfortable on inside
- Non slip palm for secure grip
- Adjustable hooks & loops wrist strap

Part No.	Size	Hand circumference	Material	Pack
GLOV1	7	18 – 19 cm	Neoprene, rubberized	10
GLOV2	8	20 – 21 cm	Neoprene, rubberized	10
GLOV3	9	22 – 23 cm	Neoprene, rubberized	10
GLOV4	10	24 – 25 cm	Neoprene, rubberized	10



POLE GLOVES

★★★

Premium quality gloves, extra robust for pole work.

- Ergonomic design for full hand movement and pole control
- Non-slip textured reinforcement panels on palm and fingers
- Teflon coated fabric for superior water resistance, with triple seams
- Adjustable hooks & loops wrist strap with hook and loop for secure fitting
- Webbing loop for added ease while putting glove on

Part No.	Size	Hand circumference	Material	Pack
GLOC1	S (8)	19 – 21 cm	Blended fabric*	5
GLOC3	XL (10)	23 – 24 cm	Blended fabric*	5
GLOC4	XXL (11)	24 – 26 cm	Blended fabric*	5

* Palm: 50 % polyester, 50 % polyethylene; Back of the hand: 50 % nylon, 50 % polyethylene

TRADITIONAL WINDOW CLEANING BELTS, POUCHES



ErgoTec® BELT

Solid belt for carrying tool holders. 4 eyes, padding, quick release.

Part No.	Size	Material	Pack
BSTBT	80 – 130 cm	Nylon	1



ErgoTec® POUCH

3 compartments. Dry and damp cloths can be stored separately. Front pocket with flap and hooks & loops fastener.

Part No.	Size	Material	Pack
BSPOU	30 × 37 cm	Nylon	1



CANVAS APRON

Made of solid nylon with 2 large compartments for cloths, scraper, etc.

- Keeps essential tools protected
- Great for working at height
- Includes adjustable belt

Part No.	Material	Pack
SRZ10	Nylon	10



NYLON POUCH

Solid pouch with 2 pockets. Fits all UNGER belts.

- Provides storage for mobile phone
- Sturdy, solid and very durable

Part No.	Material	Pack
NYLPO	Nylon	10



BUCKET ON A BELT

Durable plastic holder for squeegee, washer, scraper.

- Conveniently holds all important tools
- Ideal for use on ladders, indoors or in narrow spaces
- BB010 with Protector insert for optimum squeegee compatibility

Part No.	Can hold the following tools	Pack
BB010	NINJA: 1 washer, 2 squeegees, 1 scraper	5
BB020	Classic: 1 squeegee, 1 washer, 1 scraper	5



HENRY'S DOUBLEHOLSTER

Leather tool holder, two compartments. For fastening to belt.

- Convenient for holding squeegees and washers
- Extremely solid quality leather
- Fits on most belts

Part No.	Pack
HT000	5



THE BELT

Solid nylon belt for attaching bucket and other tools on a belt.

- Convenient loops for tools (squeegee, etc.)
- Clip lock for quick fastening
- Adjustable length

Part No.	Size	Material	Pack
UB000	115 cm	Polypropylene, nylon	5

TRADITIONAL WINDOW CLEANING BUCKETS, SOAP



Quality Tools for Smart Cleaning



BUCKET 28 L

BUCKET 18 L

Bucket for glass cleaning.

- Lightweight and easy to handle
- Metal handle with plastic enclosure
- Includes plastic holder for washer and squeegee

Part No.	Capacity / Inside dimension	Pack
QB120	18 l / 40 × 23cm	10



QB080



QB060

ACCESSORIES FOR BUCKET 28 L

Part No.	Product	Pack
QB060	Bucket Sieve	5
QB080	Lid	5

Large bucket for glass cleaning.

- Holds 45 cm squeegee
- Features measuring marks and 2 drains
- Available optional accessories: lid, bucket sieve

Part No.	Capacity / Inside dim.	Pack
QB220	28 l / 54 × 26.5 cm	5



POWER LIQUID

NEW

Window cleaning soap, liquid. Power formula with extended foam life.

- High yield (concentrate 1:100)
- Power formula with ultimate cleaning power for streak-free results

Part No.	Content	Pack
FR10S	1 l	12



UNGER's GEL

Window cleaning soap for direct application onto washer.

- Economic, covers large areas
- Excellent cleaning power
- Apply directly onto washer

Part No.	Content	Pack
FG050	0.5 l	10



UNGER's LIQUID

Window cleaning soap, liquid. Concentrate. Mixing ratio 1:100.

- Economic and eco-friendly
- Excellent cleaning power
- Simply add to water

Part No.	Content	Pack
FR100	1 l	12
FR500	5 l	2



RUB OUT

Professional glass cleaner. Compact bottle with easy dispense cap.

- Removes hard water stains, rust, mineral deposits, limescale and soap residue
- Tough on stains, gentle on glass

Attention: Some surfaces are easily scratched. Always test Rub Out prior to use.

Part No.	Content	Pack
RUB20	0.5 l	12

TRADITIONAL WINDOW CLEANING

WINDOW CLEANING KITS



Illustration similar

ErgoTec® SET

★★★

Top of the range complete glass cleaning kit.

Contains comprehensive selection of ErgoTec® tools for professional glass cleaning. The extensive products are completely housed in a sturdy nylon carrier bag.

Content

MF40L	[3 x] MicroWipe Microfibre Cloth, 40 x 40 cm
ETG00	ErgoTec® Squeegee Handle
NS350	StripWasher® Micro Sleeve, 35 cm
EH350	ErgoTec® T-bar, 35 cm
SH000	ErgoTec® Scraper, 10 cm
PCLIP	Plastic Clips
RR920	Soft Rubber, 92 cm
SR03K	ErgoTec® Safety Scraper
NE250	S-Channel with Soft Rubber, 25 cm
NE350	S-Channel with Soft Rubber, 35 cm
NE450	S-Channel with Soft Rubber, 45 cm
EZ250	OptiLoc Telescopic pole, 2 sections, 2.50 m
	1 x UNGER Liquid Sample

Part No.	Pack
ETSET	1



CONTRACTOR WINDOW CLEANER KIT

★★★

Content

16690	Small Bucket 18 Ltr
EZ120	OptiLoc 2 Sections 1.25 m
OE350	StripWasher® UniTec™ TBar 35 cm
LB350	Washer Sleeve, 35 cm
MF60E	MicroWipe Lite Cloth, Large
NE350	S-Channel, 35 cm
ETG00	ErgoTec Squeegee Handle

Part No.	Pack
AK285	1



Illustration similar

TRANSET

★★

Glass cleaning kit

Contains a basic set of tools for professional glass cleaning for beginners. The products are stored in a sturdy nylon carrier bag.

Content

PR000	Pro-Squeegee Handle
NE250	S-Channel with Soft Rubber, 25 cm
NE350	S-Channel with Soft Rubber, 35 cm
NE450	S-Channel with Soft Rubber, 45 cm
RR920	Soft Rubber, 92 cm
WC350	StripWasher® Original Strip Pac, 35 cm
EZ250	OptiLoc Telescopic Pole, 2 sections, 2.50 m
FIX10	FIXI Clamp
HBR00	FIXI Brush
SP010	FIXI Sponge
SR20K	Safety Scraper
TX100	ProTRIM10 Scraper

Part No.	Pack
TRS00	1



VALUE WINDOW CLEANER KIT

★★

Content

16690	Small Bucket 18 Ltr
EZ120	OptiLoc 2 Sections 1.25 m
OE350	StripWasher® UniTec™ TBar 35 cm
LB350	Washer Sleeve, 35 cm
MF40E	MicroWipe Lite, Small
US300	UniTec Squeegee Lite 30 cm

Part No.	Pack
AK284	1



WINDOW CLEANING STARTER KIT

★

Content

16690	Small Bucket 18 Ltr
EZ250	OptiLoc 2 Sections 2.50 m
OE350	StripWasher® UniTec™ TBar 35 cm
ON350	StripWasher® UniTec™ SL 35 cm
US300	UniTec Squeegee Lite 30 cm

Part No.	Pack
AK280	1

STINGRAY

The most efficient indoor cleaning tool ever!

Recent research indicates that when cleaning indoor windows, cleaning professionals face 2 key challenges – efficiency and safety. Current tools lead to time consuming issues, like re-arranging of furniture and reaching high or unusually positioned windows*. Current solutions to these issues lead to more wasted time and the risks associated with the use of ladders. Moreover, for the least experienced need for intensive staff training create additional problems. Introducing the revolutionary **UNGER Stingray**, the most efficient indoor cleaning tool ever. It cleans windows up to 25 % faster and uses up to 39 % less chemical than traditional methods.**

The **UNGER Stingray** system stands for excellent results even without professional window cleaning experience. Its highly intuitive design requires minimal operator training and it is suitable for most washable surfaces!

Increased productivity, greater cost efficiency and sustainability because:

- ▶ 25% faster than traditional methods**
- ▶ 39 % less liquid consumption**
- ▶ Numerous ergonomic benefits improve workers' comfort and safety – less downtime and health risks!
- ▶ Perfect for daytime cleaning: no drips and no runs = no mess and health risks!

*Source: Market Research – Professional Window Cleaners. Germany/UK, 2015, SR Strategy Routes

**compared to traditional spray and cloth cleaning [Source: "Interior Glass Cleaning", 16.07.15, Sabine R. Mück, Hygiene Consult Mück]



INDOOR WINDOW CLEANING

INDOOR WINDOW CLEANING STINGRAY SYSTEM

► **FASTER**

25 % faster than traditional methods**

- **One step** “Apply and Clean” Technology
- Microfibre **TriPad** for simultaneous cleaning of windows & frames
- Enclosed spray nozzle design prevents over-spraying, eliminating drips, streaks and the rework associated with wet window sills
- 15 % larger pad size saves time via reduced frequency of pad change (compared to traditional pads e.g. **UNGER PHL20**)



► **TOTAL FLEXIBILITY**

Mastering every challenge with a single tool

- Unique triangular **TriPad** shape makes it easy to clean corners and other hard to reach areas
- **Easy-Click-Pole technology** – simply add on another pole extension to reach heights of up to 5 m!



► **ERGONOMIC AND SAFE**

Comfortable and safe working up to 5 m

- Enclosed spray nozzle prevents inhalation of cleaning liquid
- Triangular pole shape facilitates enhanced grip for perfect control
- Stingray’s weight distribution is towards the cleaning surface, so it is easy to use and minimizes back strain
- Battery powered sprayer helps to reduce operator fatigue



► **INCREDIBLE EASE-OF-USE**

Professional results with minimal training

- **Stingray**: Ready-to-use, easily replaceable pouches, pre-filled with professional glass cleaner
- **Stingray OS**: Removable tank. Can easily be filled with alcohol-based glass and surface cleaners
- Spray activation button on each **Easy-Click-Pole** as well as on the handheld unit – press & play!
- **QuikPad** Fast change + prevents cross-contamination

INDOOR WINDOW CLEANING STINGRAY SYSTEM



Quality Tools for Smart Cleaning

Stingray OS - More flexible than ever

Stingray OS with removable tank.

Can be filled with alcohol-based glass and surface cleaners



REMOVABLE TANK

- Can be filled with alcohol-based glass and surface cleaners
- Large opening for easy filling: ready to use in seconds
- 150 ml tank can cover up to 150 m²



Stingray OS TANK



- Removable 150 ml tank.**
- Double intake manifold for perfect function at every angle
 - Drip-proof due to integrated leakage protection

Part No.	Size	Pack
SRBT1	150 ml	1

Stingray INDOOR CLEANING KIT 100 OS

Stingray OS with one short Easy-Click-Pole
Contents: 1 × Handheld unit (includes 2 × Alkaline AA batteries)
 1 × SREXS Easy-Click-Pole-short
 2 × SRPD2 Deep Cleaning Microfibre TriPads*

Part No.	Size	Pack
SRK02	up to 1.00 m length (extended)	1



Stingray INDOOR CLEANING KIT 330 OS

Stingray OS with two long and one short Easy-Click-Poles
Contents: 1 × Handheld unit (includes 2 × Alkaline AA batteries)
 2 × SREXL Easy-Click-Poles-long, 1 × SREXS Easy-Click-Pole-short
 2 × SRPD2 Deep Cleaning Microfibre TriPads*

Part No.	Size	Pack
SRK03	up to 3.27 m length (extended)	1



Stingray INDOOR CLEANING KIT 450 OS

Stingray OS with one short + three long Easy-Click-Poles
Contents: 1 × Handheld unit (includes 2 × Alkaline AA batteries)
 3 × SREXL Easy-Click-Poles-long, 1 × SREXS Easy-Click-Pole-short
 2 × SRPD2 Deep Cleaning Microfibre TriPads*, 1 × SRBAG Bag

Part No.	Size	Pack
SRK0H	up to 4.37 m length (extended)	1

*90 % polyester, 10 % polyamide

INDOOR WINDOW CLEANING STINGRAY SYSTEM



Stingray GLASS DEEP CLEANING TRIPAD

Microfibre Cleaning Pads

- Superb cleaning power thanks to premium microfibre
- Including colour coding stripes
- Elastic bands for secure fit and easy assembly
- 5 pads in a box (= minimum order quantity)
- Size: 25 x 25 x 25 x 2.50 cm, machine washable up to 300 times

Part No.	Material	Pack
SRPD2	90 % polyester, 10 % polyamide	5



Stingray QUIKPADS

Hygienically clean without having to launder

- Quickly and safely removes fingerprints, grease, etc.
- Optimal for preventing cross contamination
- Coverage per QuikPad: 15 m²
- 3-layer construction: cleaning layer, absorbent core, and fastening layer
- Adapterplate (SRADK) for subsequent conversion of Stingray hand tools
- Quick and easy pad change

Part No.	Version	Material	Pack
SRADK	1 x Adapter, 25 x QuikPads	54 % polyester, 46 % viscose	1
SRPD3	Pack of 25	54 % polyester, 46 % viscose	1
SRPD4	Pack of 100	54 % polyester, 46 % viscose	1



Stingray QUIK PAD KIT 160 OS

Stingray with one long Easy-Click-Pole

- Contents:** 1x Handheld unit (includes 2 x Alkaline AA batteries)
1x SREXL Easy-Click-Pole-long
1x SRADK Adapter with 25 QuikPads

Part No.	Size	Pack
SRKOD	up to 1.66 m length (extended)	1



Stingray GLASS CLEANER

Professional Glass Cleaner powered by 3M Scotchgard™

- Easy gliding, quick drying – high efficiency
- Cleaning power up to 150 m² (at low to medium polluted surfaces)
- Cleans and protects glass and other silica-based surfaces such as uncoated granite, ceramic and porcelain
- Also cleans but may not protect other surfaces such as stainless steel, chrome, aluminum, plastic, acrylic glass, etc.
- 24 pouches (150 ml) in a box (= minimum order quantity)

Part No.	Content	Pack
SRL01	150 ml	24



Stingray OS GLASS CLEANER

Professional Glass Cleaner

- Excellent cleaning power for glass, mirrors, and other waterproof surfaces
- Easy removal of fingerprints, grease, and other dirt
- Fast and streak-free drying

Part No.	Content	Pack
SRL03	0.5 l	10



Stingray EASY-CLICK-POLES

Extends the Stingray unit by 1.24 m

- Reinforced for a working height of up to 5 m.
- Triangular shape for enhanced grip
- Light, rigid aluminium, features Easy-Click mechanism and spray activation button

Part No.	Size	Pack
SREXS	0.63 m	1
SREXL	1.24 m	1



Stingray BAG

- Lightweight nylon bag for storage and transportation of your complete Stingray System.
- Zip fastening allows bag to open flat
 - Multiple fasteners and pockets for additional tools

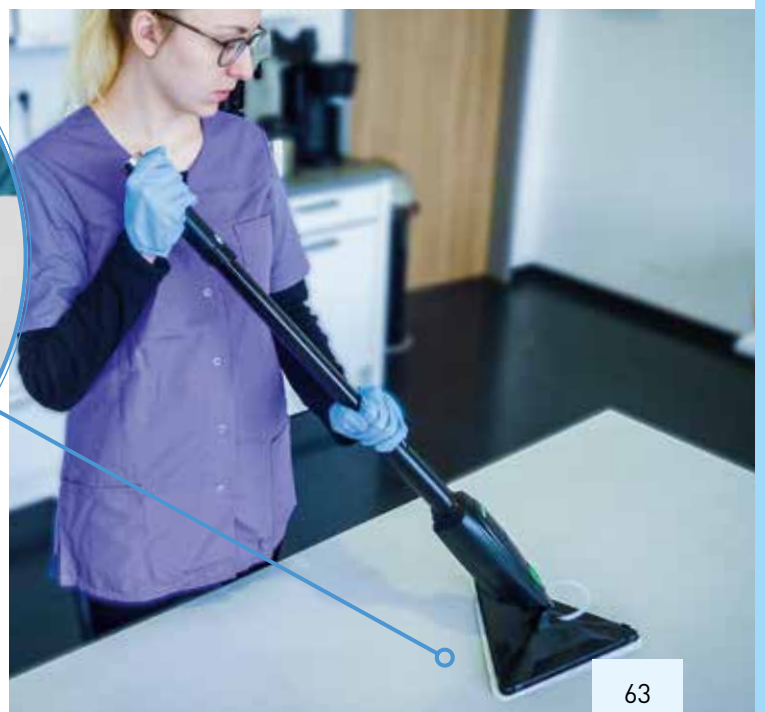
Part No.	Size	Pack
SRBAG	130 x 33 x 5 cm	1

Disinfection of surfaces with Stingray OS

With the **Stingray OS** UNGER offers a solution for the in-between disinfection of surfaces. The integrated tank is ideal for using disinfectants on larger smooth and water-resistant surfaces, e.g. tables.

APPLICATION RECOMMENDATION:

- Moisten the **QuikPad** in a circular movement for 20 seconds
 - Movement across the surface with the activation button pressed continuously
 - Make sure that the surface is sufficiently wetted with the disinfectant
 - Replace the **QuikPad** at regular intervals to avoid the spread of germs
 - Important: Follow the instructions for use of the disinfectant and adhere to the product times/exposure times and quantities
- Fold the **QuikPad** when changing: pull an overlapping corner inwards and then pull off the **QuikPad** so that the side you are using is not touched



INDOOR WINDOW CLEANING CLEANING SYSTEM



MICROFIBRE CLEANING PAD

Extra smooth, easy glide microfiber pad for regular cleaning.

- Removes dust, fingerprints, grease and other light dirt from glass
- Strong hooks & loops backing for attaching to Pad Holders PHH20 and PHD20

Part No.	Size	Material	Pack
PHL20	27 cm	70 % polyester, 30 % polyamide	5



MICROFIBRE POLISH PAD

Microfiber polish pad for regular cleaning.

- Removes dust, fingerprints, grease and other light dirt from glass and mirrors
- Strong hooks & loops backing for attaching to Pad Holder PHH20 & PHD20

Part No.	Size	Material	Pack
PHP20	27 cm	70 % polyester, 30 % polyamide	5



MICROFIBRE WASH PAD

Microfiber wash pad for periodic washing and heavy soil.

- 15 mm long, thick fibres easily remove tough dirt
- Strong hooks & loops backing for attaching to Pad Holder PHH20 & PHD20

Part No.	Size	Material	Pack
PHW20	29 cm	100 % polyethylene	5



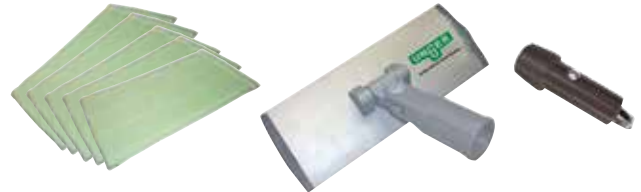
SCRUB PAD, WHITE

Abrasive scrub pad for removing tough dirt.

- Removes stubborn dirt, ideal for outdoor cleaning
- Reliably sticks to the backing of Pad Holder PHH20 & PHD20

Part No.	Size	Material	Pack
OPS20	25 cm	100 % polyester	10

STARTER SET



INDOOR CLEANING STARTER SET

Content:
 PHL20 (5 x) Microfibre Cleaning Pad 27 cm
 PHH20 Pad Holder 24 cm
 AFAET Thread adapter for Alu-Poles

Part No.	Pack
PFK20	1



PAD HOLDER (HANDHELD)

Aluminium handheld holder for indoor cleaning pads.

- Hooks & loops backing for attaching the pads
- Designed to enable perfect pressure application for thorough and precise cleaning
- Easy to use

Part No.	Size	Pack
PHD20	24 cm	5



PAD HOLDER

Aluminium swivel head holder for indoor cleaning pads.

- Hooks & loops backing for attaching the pads
- Swivel function allows access to hard to reach places
- Fits securely on all UNGER poles with thread

Part No.	Size	Pack
PHH20	24 cm	5



THREAD ADAPTER FOR ALU-POLES

Anodized aluminium adapter for fitting the Pad Holder to aluminium poles.

- Fits into any UNGER aluminium pole with 21mm diameter - just click in
- Enables connection between aluminium poles and MultiLink Goosenecks, Extensions and Brushes

Part No.	Pack
AFAET	5



SPRAYER ON A BELT

Fits to the belt for optimum weight support.

- Flexible hose allows upside down spraying
- 1 l bottle included
- Compatible with standard bottles
- Includes colour coding labels

Part No.	Content	Pack
SOABG	1 l	5

NiftyNabber® – Grabber and Bagger System

Perfect for eco-friendly waste removal, indoor and outdoors, in industrial or domestic environment.

Durable, ergonomic and reliable **UNGER** grabbers are also perfect for easy reach and bend-free pick up of many daily objects.



LITTER PICKING & REACHING AIDS

Nifty Nabber® Trigger Grip

Durable litter picker with a strong internal metal bar, a 360° fully rotating head and a highly responsive trigger grip handle. Available in 4 lengths.

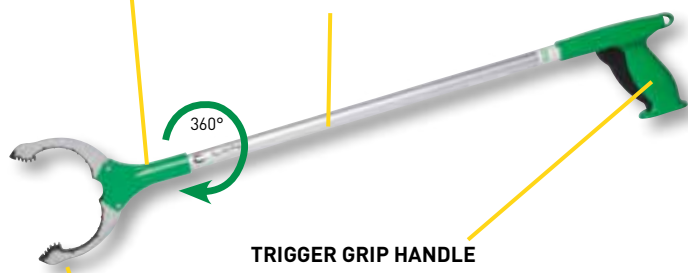


ROTATING HEAD

- Access narrow areas with 360° rotating head.
- Locks securely every 90°.

ROBUST METAL BAR INSIDE

- For extra durability and grab power.
- Will not stretch or snap, like string mechanism on other grabbers.
- Durable and rust-resistant. Lightweight, designed to decrease fatigue.



TRIGGER GRIP HANDLE

- Responsive mechanism for greater comfort.
- Made with glass-reinforced plastic for increased durability.



RUBBER CLAWS WITH MAGNETIC TIP

- Reliable grip even with most difficult shapes.
- Opens up to 10 cm wide and holds items up to 4.5 kg.
- Hold items with the claw's magnetic tip – like coins and cans!

Nifty Nabber® Pro

A heavy duty litter picker with a strong internal metal bar, powerful claws and robust steel shaft. Available in 4 lengths, including 2.38 m long reach version!

STEEL CLAWS

- Molded rubber overlay for an extra-secure grip.
- Powerful hold of small or oddly shaped objects – broken glass, cigarettes or coins.
- Opens up to 15 cm wide.



ERGONOMIC HANDLE

- Comfortable pressure handle – creates high pressure to hold dirt without tiring your hand.
- The handle design keeps your hand and arm in an optimum position to pick up objects from the floor.

RUGGED DESIGN

- Shaft made from durable steel with rust resistant coating for dependable use over long time.
- Strong enough for heavy-duty work, light enough to protect from back and arm strain.
- Overall steel construction wears well under the rigours of every day use.

NiftyNabber® TRIGGER GRIP

Part No.	Size	Pack
NT060	63 cm	5
NT080	83 cm	5
NT090	93 cm	5
NT100	102 cm	5



NiftyNabber® PRO

Part No.	Size	Pack
NN400	52 cm	5
NN900	97 cm	10
NN140	130 cm	5
NN960	238 cm	6

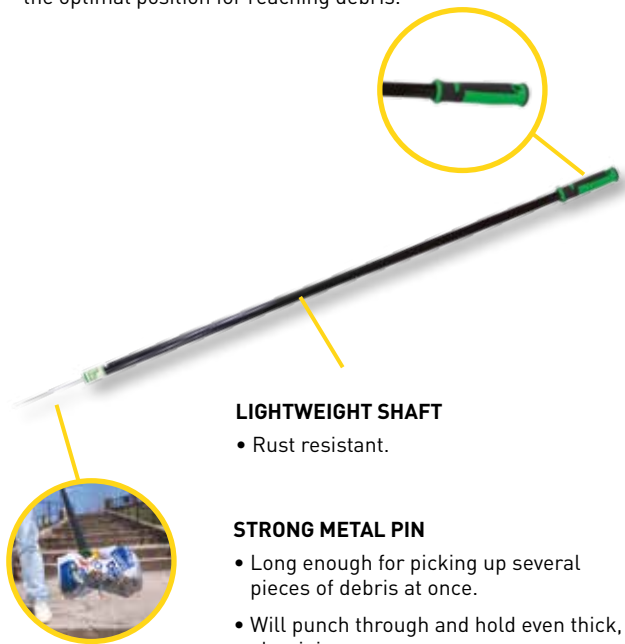


Paper Picker

A lightweight tool with a strong metal pin for removing debris such as paper and cans.

ERGONOMIC DESIGN

- No bending or back strain.
- Handle design positions arm and hand in the optimal position for reaching debris.



LIGHTWEIGHT SHAFT

- Rust resistant.

STRONG METAL PIN

- Long enough for picking up several pieces of debris at once.
- Will punch through and hold even thick, aluminium cans.

Nifty Nabber® Bagger

A durable and weatherproof waste carrier for 180 l bags that is a great multi-tasking alternative to plastic bags and the perfect companion to **UNGER**'s super tough litter pickers.

ERGONOMIC

- Allows to avoid unnecessary bending or lifting heavy bags.
- Always open for easy and safe access without touching litter.
- Made of robust material for reduced injury risk from sharp waste.



ROBUST

- Can be pulled across the floor, asphalt or ground due to solid plastic bottom and carry loops.
- Protects plastic bags from splitting.

PRACTICAL

- Allows to avoid unnecessary bending or lifting heavy bags.
- Always open for easy and safe access without touching litter.
- Made of robust material for reduced injury risk from sharp waste.

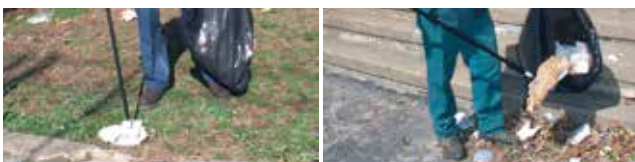


PAPER PICKER

Part No.	Size	Pack
PPPP0	100 cm	10
PINP0	Replacement Pin Plugs for Picker	10

NiftyNabber® BAGGER

Part No.	Size	Ø	Height	Colour	Pack
NB300	151 l	55 cm	68 cm	●	1





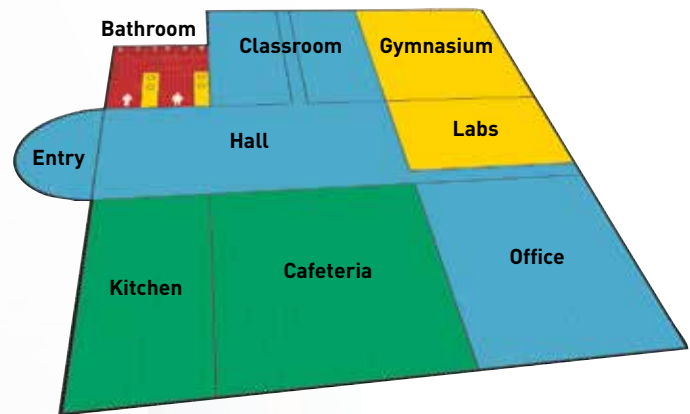
Professional Tools for daily and project cleaning tasks

Efficient, Ergonomic, Hygienic

UNGER Maintenance Cleaning tools provide simple solutions for many cleaning tasks. They help professionals to perform their job better, faster and easier.

Their ergonomic design and state of the art functionality ensure full compliance with modern cleaning requirements.

COLOUR CODING Products are coded or can be coded for usage in specific area.



RECOMMENDED USAGE

● General Washroom

● Clinical

● Food and Bar Area

● General Low Risk Area

○ Bespoke or Site Specific

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FLOOR CLEANING p. 74

FLOOR SQUEEGEES, FLOOR HANDLES, FLOOR SCRAPERS p. 78

MICROFIBRE CLOTH SYSTEM p. 82

DUSTING & BRUSHES p. 84

BATHROOM CLEANING p. 86

FLOOR CLEANING erGO! clean



erGO! clean

Feel the intuitive motion

Discover the intuitive S-shape motion with minimal effort: the ultrafast floor cleaning system

Dirt and contamination can quickly be caused by minor mishaps in day-to-day business life. A drink spilled on the floor does not create a good impression and, in the worst-case scenario, if someone stands in it, it may well be spread elsewhere. Precious time passes before the cleaning staff can get their cleaning tools together and be on-site. But the **UNGER erGO! clean** – being fast, ergonomic and professional – will put an end to this.



INTEGRATED DOSING LEVER



INTUITIVE S-SHAPE MOTIONS WITH MINIMAL EFFORT REQUIRED

ROTATABLE GRIPS

TELESCOPIC HANDLE
1.30 – 1.70 M

REPLACEABLE TANK WITH COLOR CODING AND FILLING LEVEL DISPLAY



LATEST MICROFIBER TECHNOLOGY: MAXIMUM GLIDING ABILITY AND GREAT DIRT ABSORPTION

BLOCKAGE-FREE PULSE JET SYSTEM FOR PRECISE DOSING

READY-TO-GO AT ANY TIME AND ANYWHERE

- Ready-to-use immediately
- No lengthy preparation, such as filling buckets, required
- Cleaning chemicals can be replaced in a matter of seconds.

INCREASED PRODUCTIVITY WITH FATIGUE-FREE WORK

- Reduces the extreme strain placed upon employees and prevents work-related musculoskeletal diseases
- No lifting and carrying of heavy buckets
- Significantly less effort required for use

A TOP-QUALITY PROFESSIONAL TOOL

- First-class materials guaranteeing a long service life
- Robust tool for long-term use
- Sophisticated product design for intuitive handling



Tested by:



FLOOR CLEANING & FLOOR FINISHING

erGO! clean & erGO!wax

UNGER

Quality Tools for Smart Cleaning

erGO! clean

The intuitive S-motion now in series!

Performance without limits!

After the great success of the erGO! clean with integrated trigger and detachable tank, our back and joint friendly innovation is now compatible with all UNGER floor cleaning systems: The S-Telescopic pole.



erGO! wax

More efficient than ever before!

Ultra-fast & ergonomic with just one person

Professionally coat resilient floor coverings such as linoleum and PVC. Work with the UNGER erGO! wax floor coating system continuously and without any interruption thanks to the backpack with 5-liter capacity. Achieve perfect working results with an even application of the cleaning agent by the blockage-free pulse spray system – which also guarantees precise dosing.

The telescopic handle of the UNGER erGO! wax floor coating system can be precisely adjusted to the height of the operator which protects his/her back during cleaning work. The rotateable grip ensures an easy and stress reducing working movement. Available in S-curved and straight version.



Backpack, incl. Replacement Pouch, Hose and Pulse-Jet-Unit

INCREASED PRODUCTIVITY THANKS TO CONTINUOUS WORK WITHOUT INTERRUPTION

- Finishing work with just one person
- No lifting or carrying heavy buckets
- Protects employees against high levels of strain and job-related diseases of the musculoskeletal system

A PROFESSIONAL TOOL GUARANTEEING TOP WORKING RESULTS

- Lint free and non-soaking sleeve for easy and perfect distribution of the finishing fluid

FLOOR CLEANING

erGO! clean & erGO! wax



- The **UNGER erGO! clean** Floor Cleaning system with its **unique features** has been designed to:
1. **Improve EFFICIENCY** by helping people do the job, save as much time as possible and reduce cleaning costs
 2. Ensures the products **are as SAFE as possible**
 3. And makes sure that **the end result is as CLEAN as possible**

erGO! clean



erGO! clean KITS

Product/PART. NO	Floor-Cleaning-Kit Pad Mop FAKT1	Floor-Cleaning-Kit Pad Mop PRO FAKT2
S-Telescopic Handle FAEPL		✓
Telescopic Handle FASPL	✓	
Mop Pad Holder & Pad Mop 40 cm FAVMH / FAVMC	✓	✓
Tank 500 ml & Colour Coding Rings FABTS / FAORS	✓	
Tank 1,000 ml & Colour Coding Rings FABTL / FAORS		✓

FLOOR CLEANING KIT PAD MOP (#FAKT1)

Kit FAKT1 includes:

Telescopic Handle (FASPL)

- Adjusts to the height of each user
- Integrated trigger dispenses liquid quickly

Detachable 500 ml bottle (FABTS)

- Including colour coding rings

Microfibre Pad Mop (FAVMC)

- With colour coding tabs

Aluminium Pad Mop Holder (FAVMH)

- Quick & easy Mop change



FLOOR CLEANING KIT PAD MOP PRO (#FAKT2)

Kit FAKT2 includes:

S-Telescopic Handle (FAEPL)

- Adjusts to the height of each user
- Integrated trigger dispenses liquid quickly
- With auto-drive rotating grips reduces stress & strains

Interchangeable

1 litre bottle (FABTL)

- Including colour coding rings

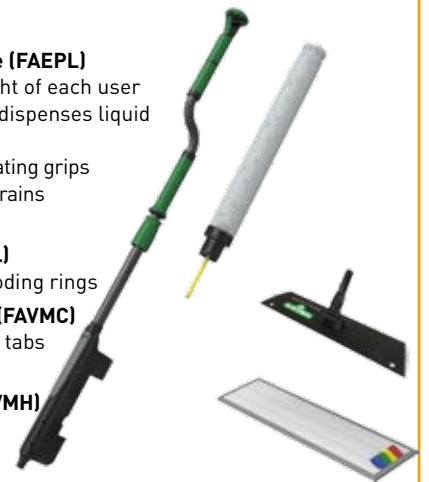
Microfibre Pad Mop (FAVMC)

- With colour coding tabs

Aluminium

Pad Mop Holder (FAVMH)

- Quick & easy Mop change



erGO! clean

erGO! clean KITS

Product/PART. NO	Flat Mop Starter Kit FAKT8	Pocket Mop Complete Kit FAKT9	Cleaning Pad Complete Kit FAKT10
S-Telescopic pole without trigger FAPLW	✓	✓	✓
Pocket mop holder 40 cm FAPMH	✓	✓	
Flat mop 40 cm FAPML	✓		
Pocket mop 40 cm FAPMM		✓	
Mop Pad Holder 40 cm FAVMH			✓
Cleaning Pad 40 cm FAVMC			✓
SmartColor Combo 15L, grey COMSG	✓		



erGO! TELESCOPIC HANDLE

Ergonomic floor handle with rotateable grip

- FAEPL/FAPLW: Supports intuitive S-shape motions
- FAEPL/FASPL: Blockage-free pulse jet system for precise dosing and integrated dosing lever

Part No.	Size	Version	Pack
FAPLW	1.30 - 1.70 m	S-Shape w/o tank	1
FAEPL	1.30 - 1.70 m	S-Shape w/ tank holder	1
FASPL	1.30 - 1.70 m	Straight w/ tank holder	1

erGO! MOP HOLDERS



Cleaning Pad and Pocket Mop Holders 40 cm

- Cleaning Pad: for any looped pile flat mop, quick & easy operation
- Pocket: for any standard pocket mop or UNGER flat mop
- Click connection for erGO! handles

Part No.	Size	Version	Pack
FAVMH	40 cm	Cleaning Pad	5
FAPMH	40 cm	Pocket Mop	5



erGO! CLEANING MOPS

Cleaning Pad, Pocket- and Flat Mop 40 cm

- High quality microfibre pile mops for easy glide and superb cleaning action
- Compatible to all standard systems
- Incl. colour coding stripes
- Mopholder: Click connection for erGO! handles

Part No.	Size	Product	Pack
FAVMC	40 cm	Cleaning Pad*	5
FAPMM	40 cm	Pocket Mop*	5
FAPML	40 cm	Flat Mop*	5

*100 % polyester microfibre

NEW!

erGO! DISPOSABLE PAD MOPS

For hygienic cleaning and disinfection.

- No washing and preparation of mops necessary
- Material with high fluid absorption - versatile application
- Avoids cross-contamination when changing mops after use
- Uniform application of surface disinfectants
- Hooks & Loops backs for all common Cleaning Pad holders such as erGO! (FAVMH) or DampMop Pad holder (SV40G)

Part No.	Size	Material	Pack
DMWS2D	40 cm	Blended fabric*	50

*38 % polyester, 22 % viscose, 40 % other synthetic materials



erGO! TANK

Easy connection tanks for erGO! handles

- 2 versions 500 ml or 1,000 ml capacity
- Including unscrewable pulse jet unit
- Easy to fill, easy to assemble and to the handle

Part No.	Size	Product	Pack
FABTL	1,000 ml	Big Tank	1
FABTS	500 ml	Small Tank	1
FAORS	1 pack = 4 pieces	Colour Coding Rings	1
FAVAS		Pulse Jet Unit	1
FADTS	1 pack = 5 pieces	Dispenser tube	1

erGO! WonderWaxer HOLDER



Light aluminium holder for WonderWaxer sleeve 40 cm

- Stabilisation hooks for straight fit of the sleeve
- For floor finishing
- Click connection for erGO! handles

Part No.	Size	Pack
QS020	40 cm	5



erGO! WAX SLEEVE/FINISHING PAD

WonderWaxer sleeve and Finishing Pad 40 cm

- Perfect for finishing floors
- Distributing wax without soaking it up
- Up to 300 wash cycles
- Lint-free material for perfect results

Part No.	Size	Product	Pack
QS010	40 cm	WonderWaxer**	10
FAVMF	40 cm	Finishing Pad*	5

**100 % polyester microfibre

*65 % polypropylene, 35 % polyester



erGO! BACKPACK 5 L

For transportation of finishing or cleaning chemicals

- Strong nylon backpack with solid 5 l plastic pouch
- Available filling utilities like hose and canister valves
- Connection hose incl. pulse-jet-unit to connect the backpack with the erGO! handle

Part No.	Size	Product	Pack
FABAP		Backpack	1
FABAR	5 l	Pouch	5
FABAH		Connection Hose	1
FABAK		Refill Kit	1

FLOOR CLEANING

DOUBLE BUCKET



NEW

Floor cleaning more efficient, hygienic and safer than ever before

- Compact and lightweight double bucket for damp and wet mopping of floors.
- Ergonomic floor mopping and wringing out of the mop without bending down.
- The intuitive two-chamber system ensures hygienic cleaning results by excluding the re-application of the dirty water.
- Effective mop preparation with visual inspection – without touching it.

HYGIENIC CLEANING AND HIGHER PRODUCTIVITY



Hygiene: 2 times more effective at removing microbes* than traditional floor cleaning systems.



Efficiency: Over 40 % faster* than conventional floor cleaning systems



Safety: Cleaned surfaces dry twice as fast* and therefore minimize the risk of accidents

*Independent test report from Sitemark® FM Best Practice Benchmarking, September 2020



ERGONOMIC POLE
height-adjustable and anti-slip handles with soft zones

PATENTED WRINGING MECHANISM
removes any remaining dirt particles from the microfibre pad, thus ensuring clean water and increased cleaning performance

BUCKET FOR CLEAN WATER
Guidance with splash protection prevents spilling over during transport

SCRUB BOARD
removes dust and other debris from the microfibre pad before wringing

BUCKET FOR DIRTY WATER
separate bucket for water with all dirt and dust particles



OmniClean SPOT CLEANING KIT

For selective cleaning of small to medium-sized areas

Content:

- OmniClean S telescopic handle with tank and release mechanism
- OmniClean Pad mop holder 40 cm
- 2 x OmniClean microfibre pads 40 cm (CLMFPD)
- erGO! Tank 1000 ml (FABTL)
- erGO! Tank 500 ml (FABTS)
- Retaining clip for two erGO! Tanks
- OmniClean Cart with curved handle and hanging pocket
- 2 x Storage container
- 6 l bucket with integrated scrub board (dirty water)
- Labels for colour coding
- Telescopic dust pan (EDTBG)

Part No.	Pack
CLSPKD	1



OmniClean INTENSIVE CLEANING PAD MOP

Microfibre mop 40 cm

- High cleaning power thanks to microfibres and scrubbing fibres
- Hooks & loops back for quick and precise installation on the pad mop holder
- Colour coded stripes for cutting

Part No.	Dimension	Material	Pack
CLMFPD	40 cm	100% polyester	5

OmniClean DOUBLE BUCKET KIT

For damp and wet mopping of medium to large areas

Content:

- OmniClean Telescopic handle without tank, straight
- OmniClean Pad mop holder 40 cm
- OmniClean Microfibre pad 40 cm (CLMFPD)
- OmniClean Cart with straight handle
- Bucket 6 l (clean water)
- 6 l bucket with integrated scrub board (dirty water)
- Labels for colour coding

Part No.	Pack
CLBK1D	1

FLOOR CLEANING

DOUBLE BUCKET



Quality Tools for Smart Cleaning



SmartColor COMBO 30 L



Complete dual bucket with press.

- Two compartments keep clean and dirty water separated
- Emptying via drain spout and dump spout
- Labels included for colour coding
- Complete with vertical press
- Available accessories: Adapter hose WH180

Part No.	Content	Colour	Pack
COMBG	30 l	●	1
COMBR	30 l	●	1



SmartColor COMBO 15 L



Compact complete dual bucket with press.

- Two compartments keep clean and dirty water separated
- Labels included for colour coding
- Complete with vertical press
- Available accessories: Adapter hose WH180, side bucket SMSBG

Part No.	Content	Colour	Pack
COMSG	15 l	●	1
COMSR	15 l	●	1



SmartColor FLOOR CLEANING SET



The convenient floor care sets.

- Perfect for professional floor care
- Complete with UNGER SmartColor Mop Holder SM40G and Telescopic Handle
- SF14G Set also includes large 30 l dual bucket
- Select a floor mop from our wide range of colour coded products

Part No.	MS18G	SM40G	COMBG	Pack
SC14G	●	●		1
SF14G	●	●	●	1

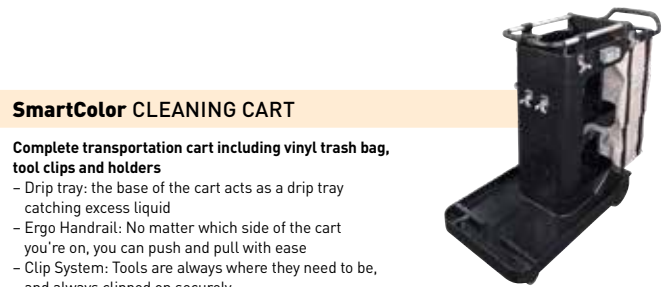


EASY ADAPTER WATERHOSE

Heavy duty adapter hose for dual bucket.

- Fits on every standard water tap
- Allows for convenient filling of bucket on-site

Part No.	Size	Pack
WH180	180 cm	10



SmartColor CLEANING CART

Complete transportation cart including vinyl trash bag, tool clips and holders

- Drip tray: the base of the cart acts as a drip tray catching excess liquid
- Ergo Handrail: No matter which side of the cart you're on, you can push and pull with ease
- Clip System: Tools are always where they need to be, and always clipped on securely

Part No.	Content	Pack
RRCRT	Cart complete	1
RRMOD	Storage module	1

Delivery time on request



SmartColor SWIVEL BRUSH & SmartColor SWIVEL CORNER BRUSH



Perfect for corners, edges of floors, walls and partitions.

- Durable polypropylene bristles remove even severe dirt
- Swivel head is easy to maneuver and reduces bending and over-reaching
- Angled bristles provide optimal cleaning of corners and edges
- Labels included for colour coding
- ACME threaded handle socket

Part No.	Size	Pack
SB20G	20 x 8 cm	10
CB20G	22 cm	10

FLOOR CLEANING

MICROFIBRE MOPS & MOP HOLDER

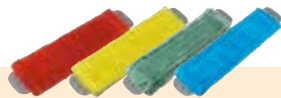


SmartColor FLAT MOP HOLDER

Swivel head mop holder with the new "no spin" design.

- UNGER mops fit securely with holding clips and can stay on during wringing
- Large surface provides more direct cleaning contact, more scrubbing pressure
- Reduces cleaning time by up to 10 % and reaches in all corners
- Folds at the push of a button, for wringing or replacing mop
- Handle socket for cones or handles with 21 and 23 mm diameter, respectively

Part No.	Size	Ø	Colour	Pack
SM40G	40 cm	21-23 mm	●	5
SM40R	40 cm	21-23 mm	●	5



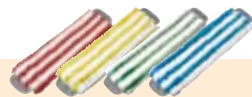
SmartColor MICRO MOP 15.0

Durable microfibre mop, ideal for tiles and stone floors with grout lines.

- Heavy duty 15 mm long fibres with large surface area
- Cut microfibre for improved dirt absorption and streak-free cleaning
- Reduces bacterial contamination by up to 96 %
- Holds 6 times its own weight in water - perfect for cleaning large areas
- Machine washable up to 500 times
- Fits on UNGER Flat Mop Holder SM40G + erGO! Pocket Mop Holder FAPMH

Part No.	Size	Colour	Material	Pack
MM40R	40 cm	●	Microfibre*	5
MM40Y	40 cm	●	Microfibre*	5
MM400	40 cm	●	Microfibre*	5
MM40B	40 cm	●	Microfibre*	5

*Support material: 100 % polyethylene; Fibres: 100 % polyester



SmartColor MICRO MOP 7.0

Microfibre mop, ideal for vinyl or sealed floors without grout lines.

- 7 mm long fibres
- Cut microfibre for improved dirt absorption and streak-free cleaning
- Reduces bacterial contamination by up to 96 %
- Machine washable up to 500 times
- Fits on UNGER Flat Mop Holder SM40G + erGO! Pocket Mop Holder FAPMH

Part No.	Size	Colour	Material	Pack
MD40R	40 cm	●	Microfibre*	5
MD40Y	40 cm	●	Microfibre*	5
MD400	40 cm	●	Microfibre*	5
MD40B	40 cm	●	Microfibre*	5

*Support material: 100 % polyethylene; Fibres: 100 % polyester



SmartColor SPILL MOP 1 L

Microfibre mop for absorption of large amounts of liquid.

- 14 mm long microfibres, extra-large surface
- Absorbs up to 1 l liquid immediately
- Machine washable up to 500 times
- Fits on UNGER Flat Mop Holder SM40G + erGO! Pocket Mop Holder FAPMH

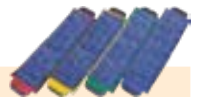
Part No.	Size	Colour	Material	Pack
MA45R	47 x 21 cm	●	Microfibre*	5
MA45Y	47 x 21 cm	●	Microfibre*	5
MA450	47 x 21 cm	●	Microfibre*	5
MA45B	47 x 21 cm	●	Microfibre*	5

*Support material: 100 % polyester; Fibres: 100 % polyester



BENEFITS OF USING UNGER'S 100 % MICROFIBRE MOPS

- Clean with less water, less chemicals and less streaking
- Reduces bacterial contamination up to 96 % compared to traditional mop heads
- Long lasting and durable, withstands up to 500 wash cycles



SmartColor DAMP MOP

Microfibre mop for damp cleaning of smooth floors.

- Optimal in areas that need to dry quickly
- Cleans streak-free and uniformly
- High loop density for high absorption and low moisture release
- Machine washable up to 500 times
- Fits on UNGER Flat Mop Holder SM40G + erGO! Pocket Mop Holder FAPMH

Part No.	Size	Colour	Material	Pack
DM40R	40 cm	●	Microfibre*	5
DM40Y	40 cm	●	Microfibre*	5
DM400	40 cm	●	Microfibre*	5
DM40B	40 cm	●	Microfibre*	5

*Support material: 100 % polyester; Fibres: 100 % polyester



SmartColor DAMP MOP PAD

Microfibre pad with high density looped pile for streak free results.

- Machine washable up to 500 times
- Uses less water and solution so floors dry quicker
- Attaches to Pad Holder with hooks & loops backing
- Use with SV40G DampMop Pad Holder or any standard 40 cm Pad Holder + erGO! Pad Mop Holder FAVMH
- Swivel head Pad Holder - glides easily across floors

Part No.	Size	Colour	Material	Pack
DV40R	50 cm	●	Microfibre*	5
DV40Y	50 cm	●	Microfibre*	5
DV400	50 cm	●	Microfibre*	5
DV40B	50 cm	●	Microfibre*	5
SV40G	50 cm		DampMop Pad Holder	5

*Support material: 100 % polyester; Fibres: 100 % polyester



SmartColor MICROFIBRE STRING MOP

- Microfibre strings increase liquid and dirt absorption
- Use with UNGER String Mop Holder Clip or any standard Mop Holder and handle
- Heavy duty weights 450 g, 28 strands; medium duty weights 310 g, 20 strands

Part No.	Colour	Quality	Material	Pack
ST30R	●	310 g	Microfibre*	5
ST30Y	●	310 g	Microfibre*	5
ST300	●	310 g	Microfibre*	5
ST30B	●	310 g	Microfibre*	5
ST45R	●	450 g	Microfibre*	5
ST45Y	●	450 g	Microfibre*	5
ST450	●	450 g	Microfibre*	5
ST45B	●	450 g	Microfibre*	5
FC03G			StringMop Holder	5

*80 % polyester, 20 % polyamide

FLOOR CLEANING

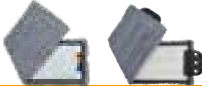










MICROFIBRE MOPS & MOP HOLDER



Quality Tools for Smart Cleaning

PRODUCT GUIDE - FLOOR CLEANING - WET & DAMP MOPPING

Our product guide below will help you to identify the best set of tools for keeping the floor perfectly clean.

Mops / Pads <small>p. 73-76</small>	Ceramic Tiles	Natural Stone (Granite, Marble, Slate)	Flexible Coverings (Linoleum, PVC/Vinyl, Rubber)	Laminate	Parquet / Wood	Specific Cases			Mop Holders <small>p. 73-76</small>	Double Buckets <small>p. 74-75</small>
						Cork	Concrete/ Cement	Epoxy Covering		
erGO! clean mops Pocket Flatmop 	✓	✓	Tiles/ On Roll	✓	Sealed*		✓	✓	erGO! Pocket Mop Holder	SmartColor COMBO 15 l/30 l
SmartColor SPILL MOP 1 l 	✓						Sealed*	✓*		
SmartColor MICRO MOP 15.0 	✓		On Roll				Sealed*	✓*	SmartColor MOP HOLDER	
SmartColor MICRO MOP 7.0 			On Roll		Sealed		Sealed	✓*		
SmartColor DAMP MOP 		✓	Tiles	✓	Sealed	✓	Sealed	✓		
String Mop 310 g 		✓	Tiles	✓*	Sealed*		Sealed*	✓*	SmartColor Microfibre String Mop Holder	
String Mop 450 g 	✓		On Roll				Sealed*			
erGO! clean Mop Pad 	✓	✓	On Roll	✓	Sealed*		✓	✓	erGO! Mop Pad Holder	
erGO! Disposable Pad Mops 	✓	✓	Tiles	✓	Sealed	✓	Sealed	✓		SmartColor Damp Mop Pad Holder
SmartColor DAMP MOP Pad 		✓	Tiles	✓	Sealed	✓	Sealed	✓		
OmniClean Mop Pad 	✓	✓	On Roll	✓	Sealed		✓	✓	Omni Clean Mop Pad Holder	








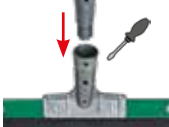
FLOOR CLEANING

FLOOR SQUEEGEES

FLOOR SQUEEGEES

Ideal for commercial cleaning, **UNGER** floor squeegees effectively remove excess water, oil and other liquids from large hard floor areas. Use our product guide below to

identify the right squeegee for specific premises or job requirements.

Squeegee	Dual Blade	Unsealed Concrete	Sealed Concrete	Steel	Industrial Carpet	Tarmac	Marble	Vinyl	Rubble Stone/Stoneware	Rubber Flooring	Tartan Track	Wood (Inside/Outside)	Areas of Application	Rubber	Solvent Resistance*	Oil Resistance**	Acid Resistance	Inserts & Threads	
Sanitary Squeegee + Combi Brush 	✓						✓	✓	✓	✓	✓		Push and dry: Water, liquids, solvents	Natural rubber (black and natural foam material)	(+)	+	+	ACME thread	 <p>p. 79</p>
WaterWand (black Rubber) 	✓						✓	✓	✓	✓	✓		Push and dry: Water, liquids, solvents	Black neoprene rubber (Chlorophen, foam material)	(+)	+	+	Universal socket	 <p>p. 79</p>
WaterWand (red Rubber) 	✓						✓	✓	✓	✓	✓		Push and dry: Water, liquids, solvents	Red neoprene rubber (Chlorophen, foam material)	+	++	++	Universal socket	 <p>p. 79</p>
AquaDozer® 		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	Push away high volumes: Water, dirt, waste, shavings, snow	EPDM (Ethylene-propylene-diene)	+	+	+	Conical universal socket	 <p>p. 79</p>

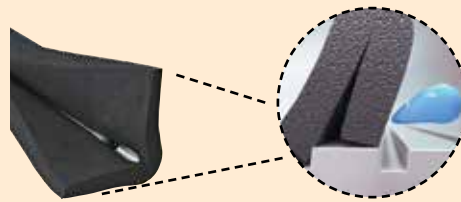
* Aliphatics, Aromatics, Ketones, Varnishes

** Lubricating Oils, Oils, Gasolines, Essential Oils, Carrier Oils

Floor Handles p. 80

i DOUBLE BLADE

The double blade ensures effective removal of liquid on all types of flat surfaces, even with grooves, tile joints or textured finish.



BLACK RUBBER

- All-purpose foam rubber
- Perfect for cleaning in most areas



RED RUBBER

- Excellent resistance to oils, acids, greases and solvents
- Ideal for cleaning in factories, garages and vehicle maintenance facilities





SANITARY SQUEEGEE

Squeegee with double blade foam rubber blade, black. ACME thread.

- Plastic body for increased hygiene
- Acid, rust and scratch proof
- With splashguard

Part No.	Size	Pack
PM45A	45 cm	10
PM55A	55 cm	10



SANITARY COMBI BRUSH

2 tools in one: Brush with polypropylene bristles and squeegee with double blade foam rubber blade, black. ACME thread.

- Scrubber to remove dirt
- Foam rubber blade for drying floors and joints
- Very sturdy, but lightweight

Part No.	Size	Pack
PB45A	45 cm	10
PB55A	55 cm	10

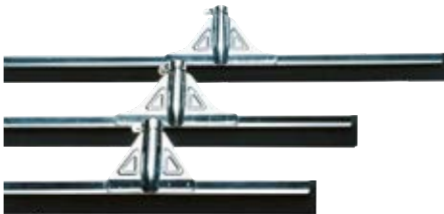


WaterWand STANDARD

For lighter jobs with double blade black foam rubber.

- Great for cleaning joints
- Sturdy zinc plated steel body
- For streak free floor drying

Part No.	Size	Pack
MW450	45 cm	10
MW550	55 cm	10

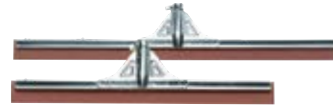


WaterWand HEAVY DUTY

Reinforced version for heavier jobs with double blade black rubber.

- Great for cleaning joints
- Sturdy zinc plated steel body
- For streak free floor drying

Part No.	Size	Pack
HM450	45 cm	10
HM550	55 cm	10
HM750	75 cm	10



WaterWand HEAVY DUTY RED

Reinforced version for heavy duty jobs with double blade red foam rubber, oil and acid resistant.

- Great for cleaning joints
- Sturdy, zinc plated steel body
- For streak free floor drying

Part No.	Size	Pack
HW550	55 cm	10
HW750	75 cm	10



WaterWand ACME THREAD INSERT

For all WaterWand squeegees.

Part No.	Pack
FWA10	10



AquaDozer®

For heavy duty jobs, black EPDM rubber. Ideal for industrial environment.

- Sturdy construction
- Solid handle socket

Part No.	Size	Version	Pack
FP600	60 cm	Straight	6
FP900	90 cm	Straight	6
FP60C	60 cm	Curved	6
FP90C	90 cm	Curved	6







AquaDozer® ACME THREAD INSERT

For all AquaDozer®.

Part No.	Pack
FAA10	10

FLOOR CLEANING

FLOOR HANDLES

Holder/Squeegee		FAPLW	MS18G	MS14G	MH14G	EZ25G	EP24R	HH13R	AL14A	AL14T	AL140	AL14G	
Diameter		Ø 21 mm	Ø 21 mm	Ø 23 mm	Ø 23 mm	Ø 21 mm	Ø 21 mm	Ø 21 mm	Ø 25 mm	Ø 25 mm	Ø 25 mm	Ø 25 mm	
Inserts & Threads		Hole	Hole for C-Clip	Hole for C-Clip	Hole for C-Clip	ACME Thread	ACME Thread	ACME Thread	ACME Thread	ACME Thread	Conical	Conical	
 erGO! Pocket Mop Holder	FAPMH	✓	✓			✓	✓	✓					p. 73 p. 75
 SmartColor Mop Holder	SM40G SM40R	✓	✓	✓	✓	✓	✓	✓					p. 74
 erGO! Mop Pad Holder	FAVMH	✓	✓			✓	✓	✓					p. 73 p. 75
 SmartColor Damp Mop Pad Holder	SV40G	✓	✓	✓	✓	✓	✓	✓					p. 75
 SmartColor Microfibre String Mop Holder	FC03G			✓	✓								p. 75
 Sanitary Squeegee Sanitary Combi Brush	PM45A PM55A PB45A PB55A					✓	✓	✓	✓	✓			p. 79
 SmartColor SWIVEL Brushes	SB20G CB20G					✓	✓	✓	✓	✓			p. 77
 WaterWand	MW450 HMxxx HWxxx				✓			+ FWA10	+ FWA10	+ FWA10	✓	✓	p. 79
 AquaDozer®	FP600 FP900								+ FAA10	✓			p. 79



Telescopic + extra piece

TELESCOPIC HANDLES

Ergonomic aluminium telescopic handles.

- Length can be adjusted and secured at any point to suite individual height
- Cone fits all UNGER mop holders
- Labels included for colour coding

Part No.	Size	Ø	Colour	Pack
FAPLW	1.30 – 1.70 m	21 mm	●	1
EZ25G	1.30 – 2.50 m	21 mm	●	10
EP24R	1.30 – 2.50 m	21 mm	●	10
MS18G	1.30 – 1.80 m	21 mm	●	10



3 pieces

SmartColor MOPHANDLE

Lightweight aluminium mop handles.

- Mop holder snaps into place
- Solid and light, made of aluminium, with ergonomic plastic handle
- Labels included for colour coding

Part No.	Size	Ø	Colour	Pack
MH14G	1.40 m	23 mm	●	10
HH13R	1.30 m	21 mm	●	10
MS14G	1.40 m	23 mm	●	10

ProAlu 1.5° HANDLE, 3 SECTIONS KNOCKDOWN

Heavy duty handle with rigid, fluted aluminium construction.

- Aluminium, lightweight and solid
- 3 individual sections assemble into one long handle

Part No.	Size	Ø	Pack
AL14G	1.40 m	25 mm	5

ProAlu 1.5° HANDLE

Handle with 1.5° taper socket.

- Lightweight and solid aluminium
- Handle Ø 25 mm

Part No.	Size	Ø	Pack
AL140	1.40 m	25 mm	10

ProAlu ACME

Handle with ACME threaded zinc alloy tip.

- Lightweight and solid aluminium
- Handle Ø 25 mm

Part No.	Size	Ø	Pack
AL14A	1.40 m	25 mm	10

ProAlu 3.0° HANDLE

Handle with 3.0° taper socket combined with ACME threaded zinc alloy tip.

- Lightweight and solid aluminium
- Handle Ø 25 mm

Part No.	Size	Ø	Pack
AL14T	1.40 m	25 mm	10

FLOOR SCRAPERS & MAINTENANCE TOOLS



Quality Tools for Smart Cleaning



FLOOR SCRAPER LIGHT DUTY

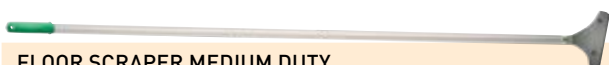
For light jobs, with 1.20 m ergonomic bi-component handle.

- Convenient operation while standing
- Reversible sharp/blunt edge blade

Part No.	Handle	Blade	Pack
LH120	1.20 m	10 cm	10

Stainless Steel Floor Scraper Blades 10 cm. Reversible sharp/blunt edge blade.

RB100	1 Dispenser = 10 blades	10 Dispensers
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FLOOR SCRAPER MEDIUM DUTY

For medium duty jobs, with 1.50 m aluminium handle.

- For industrial scraping
- Reversible sharp/blunt edge blade

Part No.	Handle	Blade	Pack
MDSC0	1.50 m	15 cm	10

Floor Scraper Blades 15 cm. Reversible sharp/blunt edge blade.

MDSB0	1 Dispenser = 10 blades	5 Dispensers
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FLOOR SCRAPER HEAVY DUTY

For heavy duty jobs, with 1.50 m steel handle.

- Convenient operation while standing
- Reversible sharp/blunt edge blade

Part No.	Handle	Blade	Pack
HDSS0	1.50 m	20 cm	1

Floor Scraper Blades 20 cm. Reversible sharp/blunt edge blade.

HDSB0	1 Dispenser = 10 blades	5 Dispensers
-------	-------------------------	--------------



HANG UP

All-purpose tool holder. Tools are inserted from front.

Available in 2 versions (3 or 6 holders).

- Tools snap into rubber rolls in front
- Practical and ideal for quick access
- Simply attach to wall, using dowels
- For diameter Ø 21 - 32 mm

Part No.	Size	Ø	Info	Pack
H0350	35 cm	21-32 mm	3 holders	5
H0700	70 cm	21-32 mm	6 holders	5



HOLD UP

Tools are inserted from the bottom and held in place by strong rubber grips.

- Simply attach to wall, using dowels
- Equipped with hooks on the front to hang up smaller tools

Part No.	Size	Pack
HU450	45 cm	5
HU900	90 cm	5



ERGO DUST PAN

For quick and thorough waste removal.

- Ergonomic and convenient
- Dust pan opens when raised, and retains the waste
- Telescopic handle (EDTBG), can be adjusted to suit individual height

Part No.	Size	Type	Pack
EDTBG	83 x 30 cm	Telescopic	6
EDPBR	83 x 30 cm	Standard	6



WonderWaxer

Complete wax applicator with 1.40 m handle.

- For applying finishing fluid to wooden floors
- Convenient operation while standing
- Swivel head, replaceable sleeve with snap fasteners

Part No.	Size	Material	Pack
QS140	40 cm	Blended fabric*	10

WonderWaxer REPLACEMENT SLEEVE

Part No.	Size	Material	Pack
QS010	40 cm	Blended fabric*	10

*65 % polypropylene, 35 % polyester

i WONDER WAXER

The superlight WonderWaxer is ideal for applying wax to almost all types of floor. The head swivels to reach difficult areas. The low-lint fabric sleeve is replaceable and fits firmly on the T-bar with snap fasteners. The WonderWaxer is perfect for use on gym and commercial floors. Perfectly fits to 28 l bucket QB220 on page 57.

MICROFIBRE CLOTH SYSTEM

MICROFIBRE CLOTHS



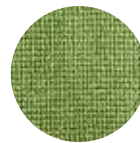
MICROFIBRE CLOTH SYSTEM

AVOID BACTERIAL CONTAMINATION!

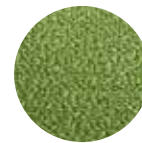
- Five-colour system for optical coding optimises cleaning by dividing tools and areas
- Matching coded tools assigned to specific cleaning areas prevent dangerous bacterial contamination
- Colour-coding facilitates the application of specific chemicals, thus protecting valuables like furniture and floor coverings

CLOTH SURFACE GUIDE

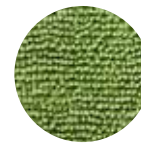
- Guidelines for choosing the right microfiber for the right task
- Optimization of your return on investment (ROI) by purchasing the best grade for your needs



**MICROWIPE
4000**



**MICROWIPE
2000**



**MICROWIPE
500**



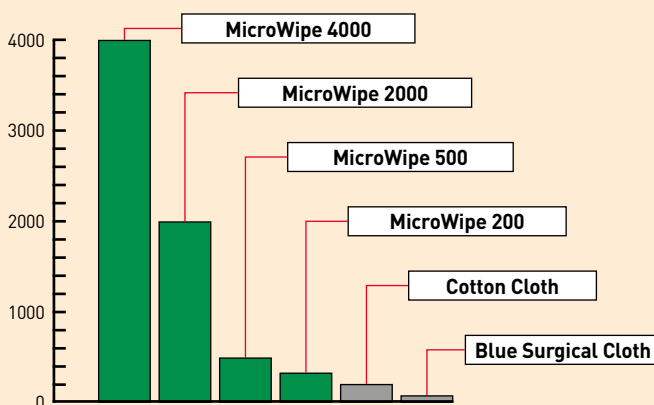
**MICROWIPE
200**

i GRADING SYSTEM EXPLAINED

The range of cleaning products that microfiber may be used for is dictated by many qualities, including fibre thickness, length, finishing, abrasiveness, absorbency, cloth dimension, edging and quality manufacturing techniques. **UNGER** has established several

performance factors that have been tested, measured and validated by ASTM independent laboratories and other US standard industry tests. This criteria is designed to assist end users in the selection process when purchasing microfiber cloths.

DURABILITY



TEST DESCRIPTIONS

- **Durability (Wear Cycles)**** The higher the factor, the greater number of times the microfiber cloth can be moved across an abrasive surface before wearing through and degrading or developing holes
- **Scrub Factor (Abrasiveness)**** The higher the scrub factor, the better the performance of the cloth in removing dirt and bacteria from surfaces and microscopic crevices
- **Absorbency*** The higher the factor, the more liquid the cloth will absorb and hold
- **Wash Cycles** A higher number of wash cycles indicates the longevity of the cloth through machine wash and dry cycles before deteriorating

**ASTM Tests *Standard US Industry Tests

MICROFIBRE CLOTH SYSTEM

MICROFIBRE CLOTHS & SPRAYER



Quality Tools for Smart Cleaning



SmartColor MicroWipe

High quality microfibre cloth. Resistant against frequent commercial wash cycles. Use the table below to choose the right grade to maximise the return on your investment.

Part No.	Size	Colour	Weight/m ²	Durability	Scrub Factor (Abrasive)	Absorbency	Wash Cycles	Material	Pack
4000									
MF40R	40 x 38 cm	●	450 g	4000**	38**	1700 ml*	1500	Microfibre***	10
MF40J	40 x 38 cm	●	450 g	4000**	38**	1700 ml*	1500	Microfibre***	10
MF400	40 x 38 cm	●	450 g	4000**	38**	1700 ml*	1500	Microfibre***	10
MF40B	40 x 38 cm	●	450 g	4000**	38**	1700 ml*	1500	Microfibre***	10
2000									
MB40R	40 x 40 cm	●	350 g	2000**	36**	1400 ml*	1000	Microfibre***	10
MB40J	40 x 40 cm	●	350 g	2000**	36**	1400 ml*	1000	Microfibre***	10
MB400	40 x 40 cm	●	350 g	2000**	36**	1400 ml*	1000	Microfibre***	10
MB40B	40 x 40 cm	●	350 g	2000**	36**	1400 ml*	1000	Microfibre***	10
500									
MC40R	40 x 40 cm	●	300 g	500**	34**	1100 ml*	500	Microfibre***	10
MC40J	40 x 40 cm	●	300 g	500**	34**	1100 ml*	500	Microfibre***	10
MC400	40 x 40 cm	●	300 g	500**	34**	1100 ml*	500	Microfibre***	10
MC40B	40 x 40 cm	●	300 g	500**	34**	1100 ml*	500	Microfibre***	10
200									
ME40R	40 x 40 cm	●	250 g	200**	39**	1700 ml*	200	Microfibre***	10
ME40J	40 x 40 cm	●	250 g	200**	39**	1700 ml*	200	Microfibre***	10
ME400	40 x 40 cm	●	250 g	200**	39**	1700 ml*	200	Microfibre***	10
ME40B	40 x 40 cm	●	250 g	200**	39**	1700 ml*	200	Microfibre***	10
ME40W	40 x 40 cm	○	250 g	200**	39**	1700 ml*	200	Microfibre***	10

Colours may vary from batch to batch.

**ASTM Tests *Standard US Industry Tests, Details p. 82
***80 % polyester, 20 % polyamide



SPRAYER ON A BELT

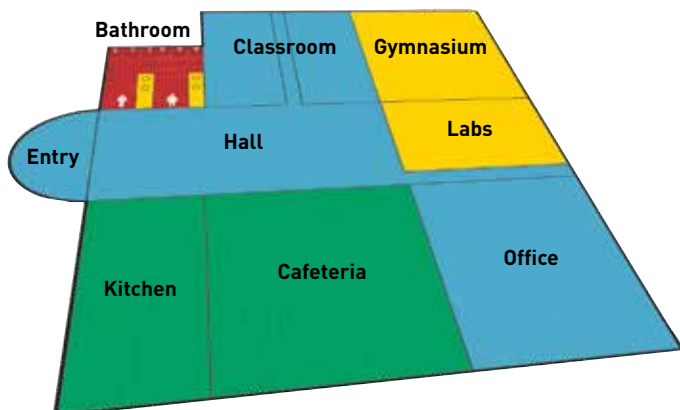
- Fits to the belt for optimum weight support.
- Flexible hose allows upside down spraying
- 1 l bottle included
- Compatible with standard bottles
- Includes colour coding labels

Part No.	Content	Pack
SOABG	1 l	5



RECOMMENDED USAGE

- General Washroom
- Clinical
- Food and Bar Area
- General Low Risk Area
- Bespoke or Site Specific



DUSTING

BRUSHES & DUSTERS



StarDuster®
COBWEB



- For dusting of walls, surfaces and corners.**
- Electrostatic energy attracts and holds dust
 - Split-tipped soft poly fibres for effective dusting
 - Locks on telescopic pole

Part No.	Size	Pack
COBW0	20 cm	6



StarDuster®
LAMBSWOOL



- Flexible lambswool duster will not damage even most delicate surfaces.**
- Natural oil in lambswool helps to remove dust with minimum effort
 - Features bendable metal core for access to hard-to-reach areas
 - Fits on telescopic pole

Part No.	Pack
LWU00	6



StarDuster®
WALL BRUSH



- Oval shape ideal for cleaning fans, walls, etc.**
- Perfect for dusting rough surfaces and removing dust from flat objects
 - Fits on telescopic pole

Part No.	Pack
WALB0	5



StarDuster®
OSTRICH FEATHER



- Perfect for dusting delicate surfaces such as glass, cabinets and chandeliers.**
- Reaches into the smallest gaps and surface crevices
 - Fits on telescopic pole

Part No.	Pack
FEDU0	6



StarDuster®
PIPE BRUSH



- Round and bendable for cleaning pipes and curved surfaces.**
- Fits on telescopic pole

Part No.	Pack
PIPE0	5



RUBBER CLEANING SPONGE

- Re-useable dry cleaning sponge, absorbs dust particles.**
- Made of natural vulcanised cellular rubber, the highly absorbent sponge effectively lifts away and holds dust, dirt and lint from any dry surface.
 - Suitable for cleaning of painted walls and ceilings, wallpaper, painted metal and wood surfaces, fabrics and a number of additional surfaces
 - Widely used in museum and antique restorations

Part No.	Pack
SP060	6

DUSTING

MICROFIBRE DUSTERS



Quality Tools for Smart Cleaning



StarDuster®
PRO FLAT 75



Bendable plastic duster with microfibre sleeve, ideal for narrow spaces.
Includes 3 disposable sleeves

- Made from strong and flexible plastic
- Microfibre sleeve is removable and machine washable
- Fits securely to pole with Locking Cone

Part No.	Size	Material	Pack
PFD7G	75 cm	Microfibre*	10

*100 % polyester



StarDuster®
PRO FLAT/FLEX SLEEVES

Disposable or reusable replacement microfibre sleeves.

- Effectively lift and hold the dirt
- Microfibre sleeve is machine washable

Part No.	Info	Material	Pack
PS50W	Disposable Sleeve	**	1 Bag (50)
PM05W	Microfibre Sleeve	*	1 Bag (5)

*100 % polyester, **100 % polypropylene



StarDuster®
PRO FLEX 75



Great for cleaning overhead, underneath furniture and around corners.
Includes 3 disposable sleeves

- Bends and retains shape to clean hard-to-reach areas
- Microfibre sleeve is removable and machine washable
- Fits securely to pole with Locking Cone

Part No.	Size	Material	Pack
PXD7G	75 cm	Microfibre*	10

*100 % polyester



StarDuster®
PRO CEILING FAN



For dusting of ceiling fan blades and other flat surfaces.

- Holds dirt like a magnet with microfibre strands
- Microfibre sleeve is removable and machine washable
- Fits securely to pole with Locking Cone

Part No.	Size	Material	Pack
CEDUG	25 cm	Microfibre*	5

Colours may vary from batch to batch.
*75 % polyester, 25 % polyamide



StarDuster®
PRO DUSTER

Telescopic lambswool duster with bendable head.

- Telescopic handle extends from 70 to 150 cm for dusting high objects
- Statically charged disposable sleeve grabs and retains dust
- Includes 1 disposable sleeve

Part No.	Size	Info	Pack
LWDUR	70 – 150 cm	Duster + 1 Disp. Sleeve*	10
DS10Y	46 x 18 cm	Disposable Sleeve*	1 Bag (10)
DS50Y	46 x 18 cm	Disposable Sleeve*	1 Bag (50)

*100 % polypropylene



WASHROOM CLEANING

TOILET & WASHROOM CLEANING



ERGO TOILET BRUSH COMPLETE

Complete kit for professional application.

- Features 66 cm handle with 360° cleaning radius
- Replaceable brush heads or swabs available
- Hygienic, ergonomic holder is lightweight and keeps bacteria isolated
- Holder can be hand-carried or hung on cart and features a detachable base for easy emptying

Part No.	Content	Pack
BBWHR	Brush, Holder, Replacement Head	5



ERGO TOILET BRUSH/SWAB

Ergonomic toilet brush for professional application.

- Features 66 cm handle with 360° cleaning radius
- Replaceable brush heads and swabs available
- Swab for optimal application of cleaning products

Part No.	Content	Pack
BBCOR	2 x Brush head + 1 x handle	5
BBHLR	Brush Holder	5
BBRHR	2 x Brush head	5
BSRHR	2 x Swab head	5



WASHROOM SANITARY BRUSH

2 tools in one: Brush with polypropylene bristles and squeegee with black twin foam rubber blade and ACME Thread.

Part No.	Size	Pack
PB45R	45 cm	10



ERGO WALL SQUEEGEE, 35 cm

- Light twin blade foam rubber - for drying tiles and grout lines
- Streak-free cleaning
- T-bar material made of acid proof polypropylene
- Ergonomic handle, detachable - squeegee also fits on pole

Part No.	Size	Colour	Pack
EW35G	35 cm	●	10
EW35R	35 cm	●	10



ErgoTec® SQUEEGEE, RED, 35 cm

Ergonomic squeegee for mirrors and smooth surfaces.

- Ergonomic bi-component handle, designed for comfortable hold
- Stainless steel S-Channel with variable positioning options
- Professional quality Soft Rubber for optimal cleaning results

Part No.	Size	Pack
ES35R	35 cm	10
NE350	35 cm	10
RR350	35 cm	10



StripWasher® WASHROOM 45 cm

Durable microfibre washer for cleaning mirrors and walls.

- Superior cleaning power
- High water retention - up to 6 times its own weight, ideal for cleaning larger areas
- Machine washable up to 500 times sleeve with side scrub pad
- Lightweight plastic T-Bar with water wells

Part No.	Size	Material	Pack
EC45R	45 cm	Microfibre*	10
NS45R	45 cm	Microfibre*	10

*Support material: 100 % polyamide; Fibres: 100 % polyethylene



NiftyNabber® WASHROOM, 53 cm

The hygienic all-purpose grabber.

- Keeps refuse at a distance with a 53 cm long handle
- Solid design made of aluminium and metal
- Powerful rubber-coated claws for firm and precise grip of objects

Part No.	Size	Pack
NN40R	53 cm	5

UNGER

Quality Tools for Smart Cleaning





Quality Tools for Smart Cleaning

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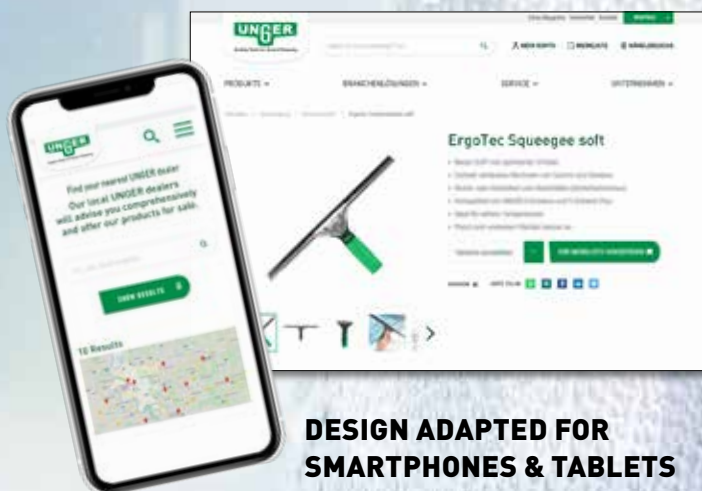


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DESIGN ADAPTED FOR SMARTPHONES & TABLETS

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UNGER UK Ltd.

F1 Deansgate, 62-70 Tettenhall Road
Wolverhampton, WV1 4TH
UNITED KINGDOM
Tel.: (+44) 01902 306633
Fax: (+44) 01902 306644
ungeredited@ungerglobal.com



www.ungerglobal.com