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INNOVATIVE PROFESSIONAL QUALITY AND SUSTAINABLE RESPONSIBILITY.

Since 1964, **UNGER** has been meeting the needs of cleaning professionals who expect maximum quality, efficiency and innovation from their glass and building cleaning products. With each passing year, we have expanded and improved our range; today we are at the forefront of our industry. What is the secret behind becoming number one? Our relentless pursuit of innovative cleaning methods, outstanding quality, trust and excellent customer service, and our partnership with you!

Looking to the future: UNGER's Green Label

On our 60th anniversary, not only are we looking back at all that has been achieved – we also want to look forward to the challenges of the future, especially when it comes to sustainability. We have a responsibility to act sustainably, and we want to play an active role in shaping the future. This is why we are continuing to develop environmentally friendly solutions. The Green Label range, which contains our first sustainably certified products, is just the beginning. The future is green – as uncompromisingly green as UNGER!



UNGER is proud to hold the **EcoVadis bronze sustainability certificate**. But we would much rather let our actions speak for themselves. They prove that sustainability, as well as social responsibility, belong to our core values. It goes without saying that we will continue to work towards the common good for the

next 60 years so we can create a future for all that is worth living.

UNGER:
60 Years of Global Excellence in Cleaning Innovation



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:**

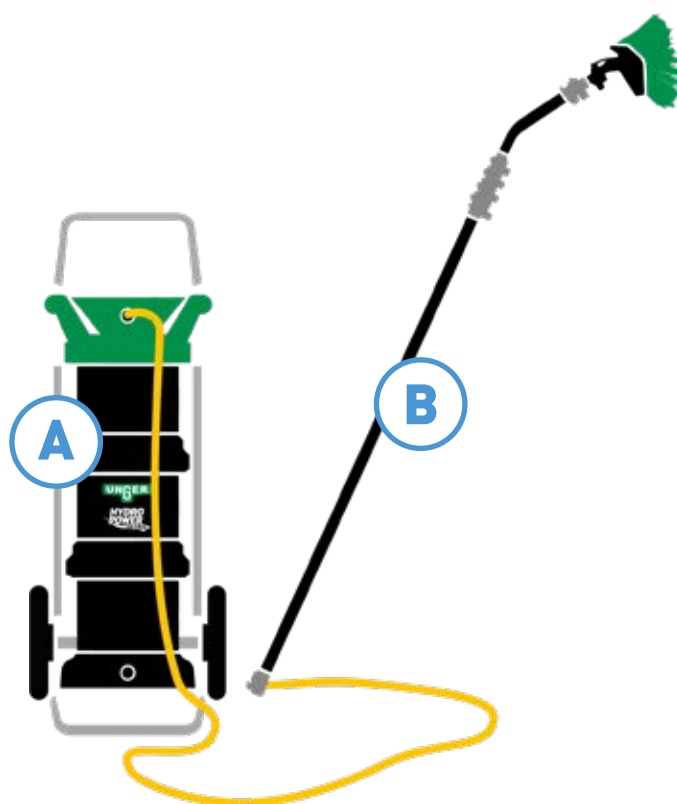
Half the labour costs.
No rental for cherry picker.

**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 PURE WATER FILTERS

p. 6

**HYDRO
POWER**



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 21 for more information.

B WATER-FED POLES

p. 17

nLITE®



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".

PURE WATER SYSTEM

A PURE WATER FILTERS

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. 7



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. 10



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**
- Intuitive colour coded system + KeyLock function eliminates risk of operating errors

Ultra Resin Packs



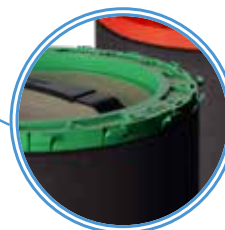
Premium Ultra Resin
Perfected ion exchange resin, as required for cleaning glass



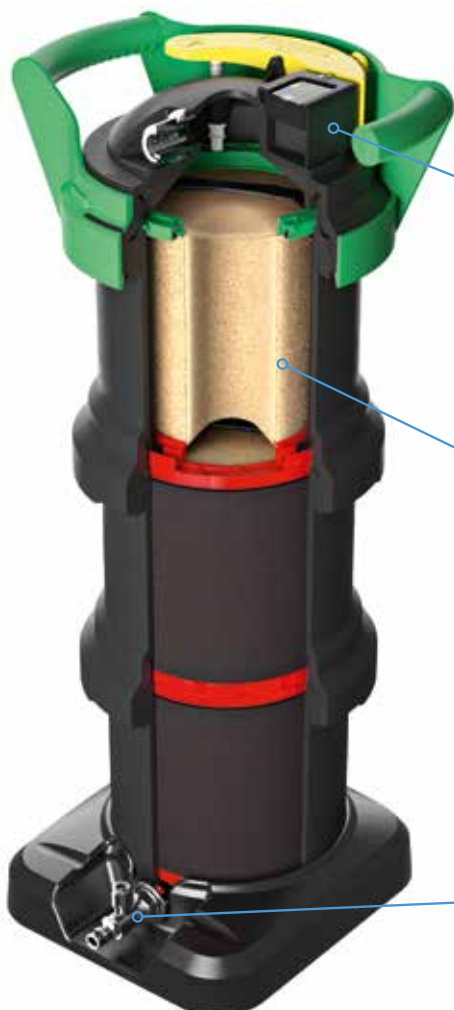
TDS-METER



ULTRA RESIN PACKS



WATER CONNECTIONS



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

HYDRO POWER® ULTRA FILTER

SIMPLE AND EFFECTIVE HANDLING



TDS-Meter

- Integrated digital measuring device displays the water hardness of the pure water coming out in ppm
- At a TDS value >10ppm the Ultra Resin Packs have to be changed



Easily removable cover

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



FastLock quick-fit fastener

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



High-quality metal connections

- Stable quick-fit metal hose connector
- Reliable quick release connectors, suitable for most hoselock type fittings commonly used on most water fed poles
- Practical shut-off valve prevents leakage during transport

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



DIUH2
HydroPower® Ultra L



DIUH3
HydroPower® Ultra LC

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 × 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 × 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 × 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

HydroPower® Ultra FILTER

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

A PURE WATER FILTERS

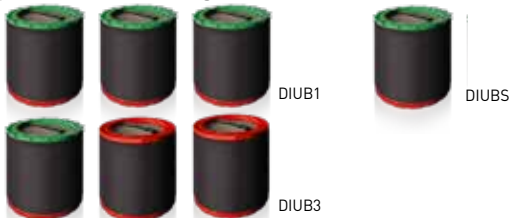
ION EXCHANGE RESIN



Quality Tools for Smart Cleaning

Ultra RESIN PACKS FOR HYDRO POWER® ULTRA FILTER

Over 30 %* more pure water per resin filling



Ultra RESIN PACKS

Part No.	Info	Pack
DIUB1	3 x Ultra Resin Packs (18 l) for DIUH1, DIUK1	1
DIUBS	1 x Ultra Resin Pack (6 l) for DIUH1, DIUK1	1
DIUB3	Kit with 3 Ultra Resin Packs (18 l) for DIUH2, DIUH3	1

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**



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
DIP25	Bucket 25 l	1
DIB25	Bag 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.

A PURE WATER FILTERS

HYDRO POWER® RO S



**HYDRO
POWER®** RO
SYSTEM **S**



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

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



HydroPower® RO S

Part No.	Pack
RO20C	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

DOWNSTREAM RESIN FILTER

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 and connected outlet hose with 1/2" inner diameter without counterpressure at the water outlet.

HIFLO RO GLASS FACADES



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 (4,5l)

- 100 % pure water production

COMBI PRE-FILTER SEDIMENT & CHLORINE

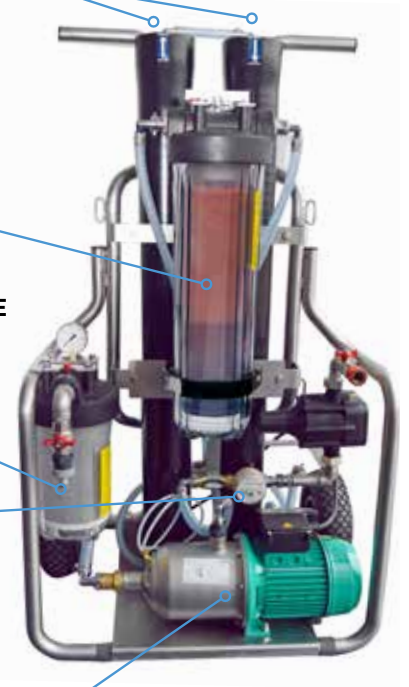
- to protect both membranes

PURE WATER FLOW METRE

- Displays the produced amount of pure water

EXTRA HIGH POWER PUMP

- supports the high water flow



CE certified

HiFlo RO GLASS FACADES

Part No.	Pack
RO60C	1

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

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

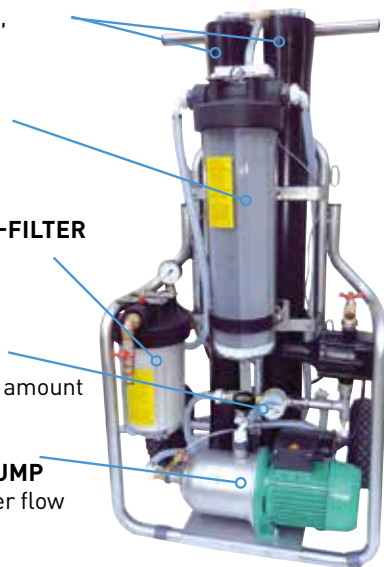
- to protect both membranes

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, 4 bar water pressure and connected outlet hose with 1/2" inner diameter without counterpressure at the water outlet.

HYDRO POWER® RO XXL

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 at least 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.

- 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)
- High capacity 12 Volt AGM battery offers 'all day' operation before requiring recharge
- Maintenance free 210 amp hour AGM battery with mains charger supplied
- 3 stage water purification production with dedicated 12 V (10 bar, 150 psi) pump.
(Carbon Pre-filter, RO Membrane and **HydroPower® DI Filter Polisher**)



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)



A PURE WATER FILTERS

REVERSE OSMOSIS FILTER



Quality Tools for Smart Cleaning



	HydroPower® RO S (RO20C)	HydroPower® RO M (RO35C)	HiFlo RO Glass facades (RO60C)	HiFlo RO Solar (RO60S)	HydroPower® RO XXL (TRLR1)
Main features	• Compact design	• High performance • Easy operation	• 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	700 l/h	750 l/h	2 x 125 l/h
Water outlets	1	2	1	1	2
Pump performance	0,97 kW	0,97 kW	1,1 kW	1,1 kW	3 x 0,1 kW
Protection class electric pump	IP54	IP54	IP54	IP54	IP54
Inlet pressure [bar]	1 – 6	1 – 6	1 – 6	1 – 6	1 – 6
Max. operating pressure [bar]	10	10	10	10	10
Pump dry run protection	✓	✓	✓	✓	✓
Pure water flow meter	analogue	analogue	analogue	analogue	-
Pre-filter	Combination filter Chlorine/Sediments (ROCA2)	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 (17189)	2 (17189)	1 (19076)
Resin filter	Cartridge 0,55 l (RORE2)	Cartridge 4,5 l (RORES)	Cartridge large 4,5 l (17201)	-	Resin bag 6 l (DIB64/DIB84)
TDS Sensors	at the water outlet	after membranes + at the water outlet	after membranes + at the water outlet	at the water inlet + 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	123 x 75 x 51	123 x 75 x 51	175 x 160 x 350
Empty weight in kg	45	75	83	83	740
Weight including filling	50	80	89	89	1.390
Cable length in m	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

Part No.	Pack
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

HYDRO POWER® KITS



HydroPower® Ultra KITS	STARTER KIT POWER PAD	STARTER KIT ALU	STARTER KIT CARBON	EXPERT KIT L	EXPERT KIT LC
HydroPower® Ultra Filter	DIUH1 (S)	DIUH1 (S)	DIUH1 (S)	DIUH2 (L)	DIUH3 (LC)
nLITE® Telescopic Pole	ED600 OptiLoc, 3 sections, 6m	AN60G Aluminium Master 6 m	CC60T Carbon Composite 6 m	CF86G Carbon 24K, 8,60 m	CF86G Carbon 24K, 8,60 m
nLITE® Angle adapter		NGC15 S (15 cm)	NGS15 S (15 cm)	NGS15 S (15 cm)	NGS30 M (42 cm)
nLITE® Brush	PWH35 PowerPad 35cm PHP35: Microfibre Pad	NFF28 Power, 28 cm, flagged	NFK28 Power, cpl. 28 cm, flagged	NFK28 Power, cpl. 28 cm, flagged	NFR28 Angle Brush, 28 cm, flagged
nLITE® Hose	DLS25 Duro Flex 25 m	DLS25 Duro Flex 25 m	DLS25 Duro Flex 25 m	DLS25 Duro Flex 25 m	DLS25 Duro Flex 25 m
Accessories	NLWVI: Water flow regulator 10790: 2x Hooks&Loops strips				
Part No.	DINK0	DIUK1	DINK1	DINK2	DINK3
Pack	1	1	1	1	1
	Length 6,00m/20ft	Length 6,00m/20ft	Length 6,00m/20ft	Length 8,60m/28ft	Length 8,60m/28ft

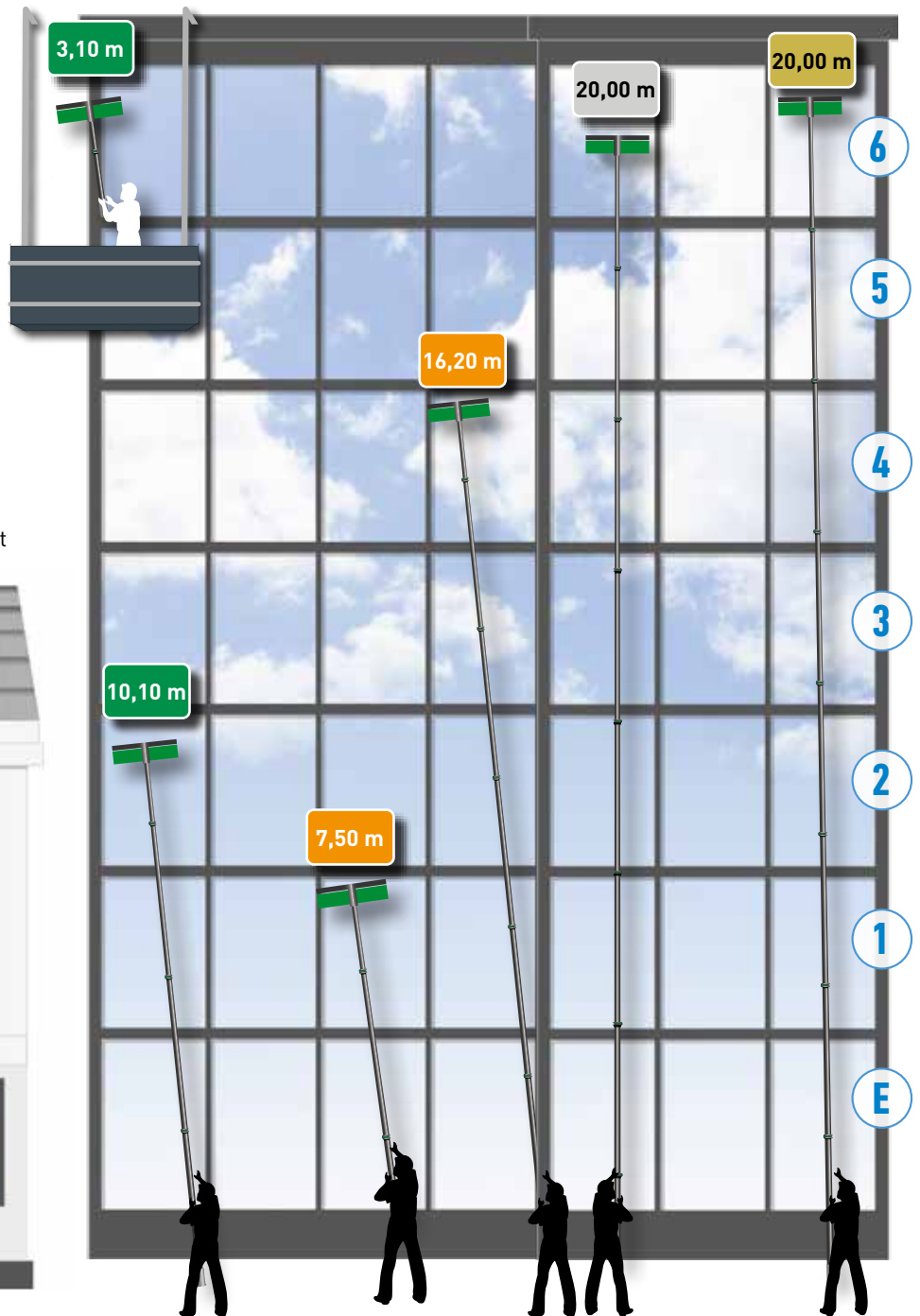
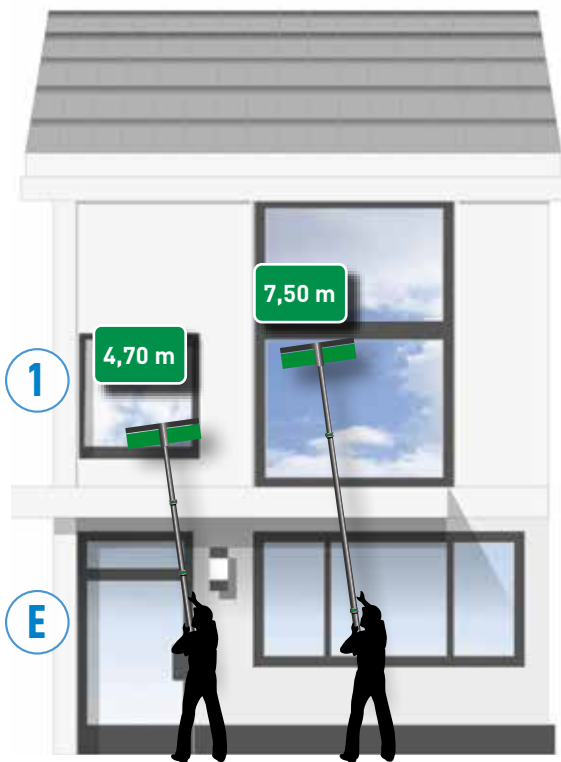


HydroPower® RO KITS	RO S COMPLETE KIT CARBON 24K	RO M HIGH RISE KIT HiMod	RO M SKY RISE KIT Ultra HiMod
HydroPower® RO Filter	R020C (RO S)	R035C (RO M)	R035C (RO M)
nLITE® Telescopic Main Pole	CF86G Carbon 24K 8,60m	UC67G nLite Connect HiMod 6,60m	UH67G nLite Connect Ultra HiMod 6,60m
nLITE® Extension Pole	CF33G Carbon 24K 3,20m	2x UC35G nLite Connect HiMod 3,40m	4x UH35G nLite Connect Ultra HiMod 3,40m
Accessories	NLHCC Extensionadapter		
nLITE® Angle adapter	NGS30 (M) 42 cm	NGC30 (M) 42 cm	NGC30 (M) 42 cm
nLITE® Brush	NFK41 Power, 41 cm, flagged	NFK41 Power 41 cm, flagged	NUR41 Angle brush 41 cm, unflagged
nLITE® Hose	DLH25 Duro Flex High Performance 25 m	DLH25 Duro Flex High Performance 25 m	DLH25 Duro Flex High Performance 25 m
Part No.	RONK1	RONK2	RONK3
Pack	1	1	1
	Length 11,90m/39ft	Length 13,40m/44ft	Length 22m/72ft

B WATER FED POLE SYSTEM

Unprecedented dimensions in window cleaning

4,70 m — Colour = material quality
 — Height indication = working height



nLITE

nLITE connect

Part N°	CARBON COMPOSITE				CARBON 24K		HiMod CARBON	Ultra HiMod CARBON
	CC32T	CC60T	CC16T	CC85T	CF60T	CF86G + 2x CF33G	UC67G + 4x UC35G	UH67G + 4x UH35G
Elements	2	4	2	6	4	6 + 2 x 2	4 + 4 x 2	4 + 4 x 2
Pole length	3,20 m	6,00 m	1,60 m	8,60 m	6,00 m	14,70 m	19,50 m	19,50 m
Recommended	Ground floor	1st floor	Boom lift	2nd floor	1st floor	4th floor	6th floor	6th floor
Strength	100 GPa	100 GPa	100 GPa	100 GPa	210 GPa	210 GPa	360 GPa	760 GPa

B WATER FED POLE SYSTEM



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

TOP PERFORMANCE THROUGH PROGRESS

Innovation, high quality, and customer-oriented development have always been **UNGER**'s guiding principles. This applies once again to the current 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!

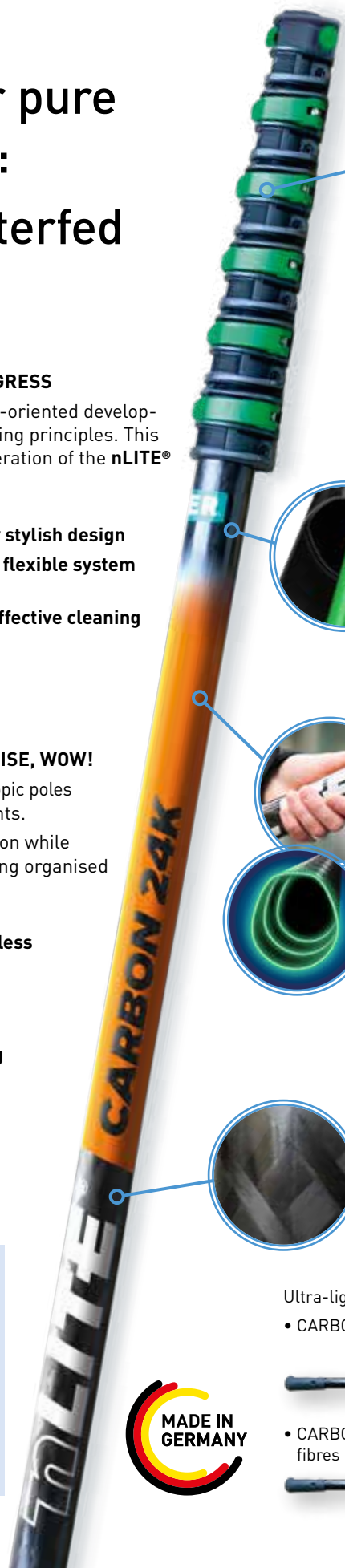
UNGER has developed its **nLITE®** telescopic poles to take your performance to new heights. Maximising refined details and precision while minimising time and effort spent getting organised for your work.

- 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

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

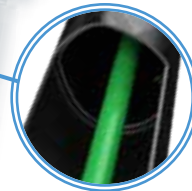


LIGHTER, MORE PRECISE, FASTER



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 highly flexible Duro-Flex 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



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



B WATER FED POLE SYSTEM



Extendable carbon 24K poles:

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

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.



a POWER BRUSH AND ANGLE ADAPTER
Innovative modular system that makes a difference because it offers almost limitless application options.

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

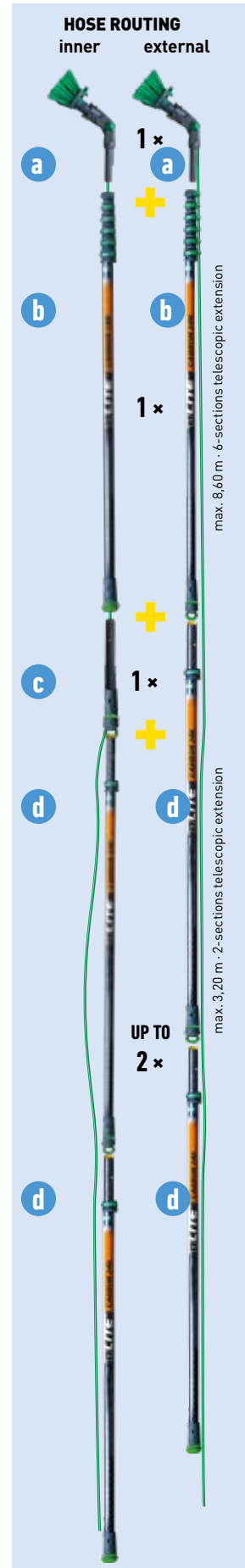
c EXTENSION ADAPTER
Connects the first telescopic extension pole to the telescopic main pole with internal hose routing.

NLHCC



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

CF33G



max. 8,60 m · 6-sections telescopic extension

max. 3,20 m · 2-sections telescopic extension

B WATER FED POLE SYSTEM



CARBON 24k



nLITE® CARBON 24K TELESCOPIC POLE

Telescopic pole for medium heights.

- Recommended for working heights of up to **16 m** (approx. 4 floors)
- CF60T: Telescopic pole, **not extendable**
- CF86G: Telescopic main pole 2x extendable with telescopic extension pole CF33G
- Resilience: **210 GPa***

Part No.	Info	Extended	Collapsed	Sections	Weight	Extendable	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	2x CF33G	1
CF33G	Telescopic extension pole	3,20 m	1,80 m	2	0,82 kg	1x CF33G	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
- NFK28 Power brush complete, 28 cm
- DLS25 DuroFlex hose 25m Ø 5/8mm

Part No.	Length	Pack
CF12H	11,90 m	1

CARBON COMPOSITE

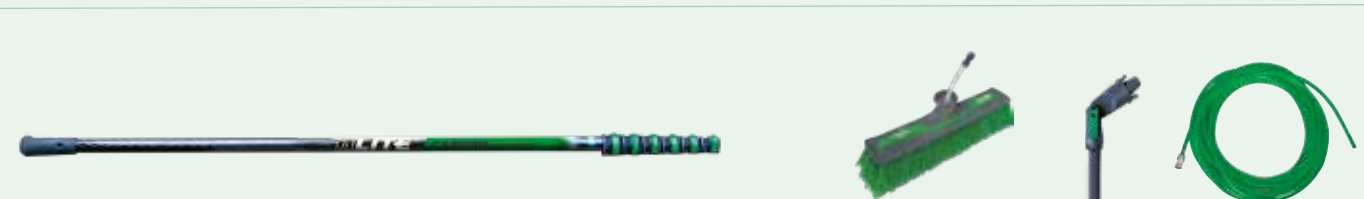


nLITE® CARBON COMPOSITE TELESCOPIC POLE

Telescopic pole for small to medium heights.

- Recommended for working heights of up to **10 m** (approx. 2 floors)
- Telescopic poles, **not extendable**
- Resilience: **100 GPa***

Part No.	Info	Extended	Collapsed	Sections	Weight	Extendable	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 (**not extendable**)
- NGS15 Angle adapter kit S, 15 cm
- NFF28 Power brush simple, 28 cm
- DLS25 DuroFlex hose 25m Ø 5/8mm

Part No.	Length	Pack
CC85H	8,60 m	1

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

PURE WATER SYSTEM



Quality Tools for Smart Cleaning

B WATER FED POLE SYSTEM



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.

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

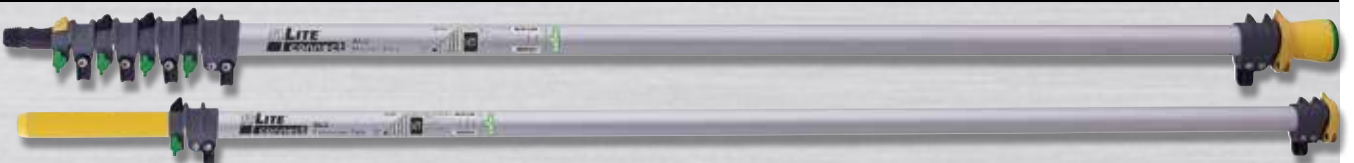


nLite® Connect HIMOD CARBON TELESCOPIC POLE

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

*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 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.



FAST LOCK

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

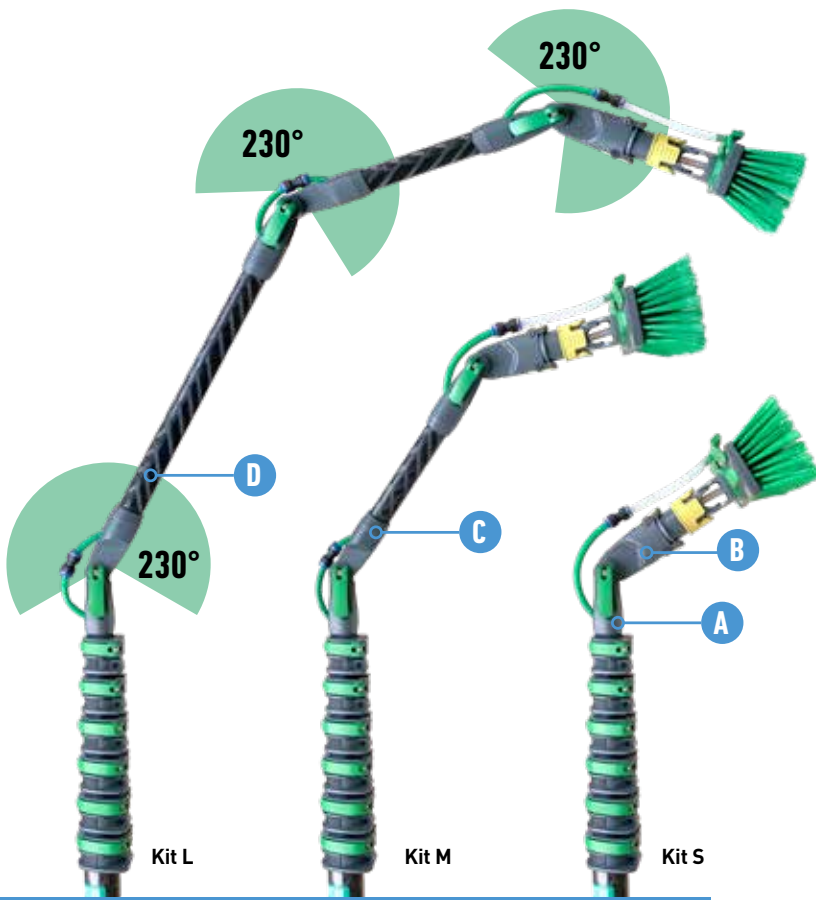
- Change brushes in seconds
- Adjust brush angle in 45° stages
- No twisting when cleaning!

B WATER FED POLE SYSTEM

ANGLE ADAPTER KITS



Quality Tools for Smart Cleaning



Simply adapt the modular angle adapter individually to your application

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



nLITE®



nLITE® ANGLE ADAPTER KITS

For nLITE® CarbonComposite and Carbon 24K telescopic poles.

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

Not compatible with nLite® Connect poles.



NEW

ANGLE ADAPTER KITS FOR THE ROUND nLite® CONNECT POLES

Clean with the nLite® Connect HiMod, Ultra HiMod and Aluminium poles, always at the right angle.

This means you also benefit from the versatile nLITE® brushes (Power, Angle, Soft and Hybrid)



nLITE® connect



nLite Connect® ANGLE ADAPTER

For nLite® Connect poles (HiMod, Ultra HiMod, Alu).

Part No.	Info	Length	Pack
NGC15	Angle adapter kit S	15 cm	1
NGC30	Angle adapter kit M	42 cm	1
NGC45	Angle adapter kit L	82 cm	1

Not compatible with nLITE® Carbon 24K and Carbon Composite poles.

nLITE® POWER PAD

NEW



The new nLITE® PowerPad – for sensationally fast, effective and easy cleaning with pure water.

A new era is dawning for pure water cleaning. Once again, market leaders **UNGER** have come up with a groundbreaking innovation – the new **nLITE® PowerPad**, the ultimate alternative to brushes when **cleaning large ground floor glass surfaces**.

This outstanding cleaning tool is intuitive to use thanks to its intelligent and revolutionary design. It makes cleaning with pure water noticeably faster, easier and more effective.

The perfect tool for all experienced pure water professionals as well as those who are discovering **UNGER's** pure water technology for the first time!



PERFECT RESULTS IN AN INSTANT!

The **nLITE® PowerPad** is easy and intuitive to use. The sequence of movements is almost identical to that of classic window cleaning, meaning users achieve perfect cleaning results instantly without training time!

More advantages: The new **PowerPad** is fully compatible with all **nLITE®** and **OptiLoc** telescopic poles from **UNGER**, offering great on-site flexibility!



FULLY COMPATIBLE WITH nLITE® WATER FED TELESCOPIC POLES

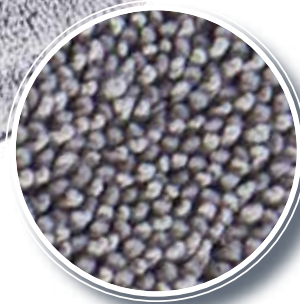
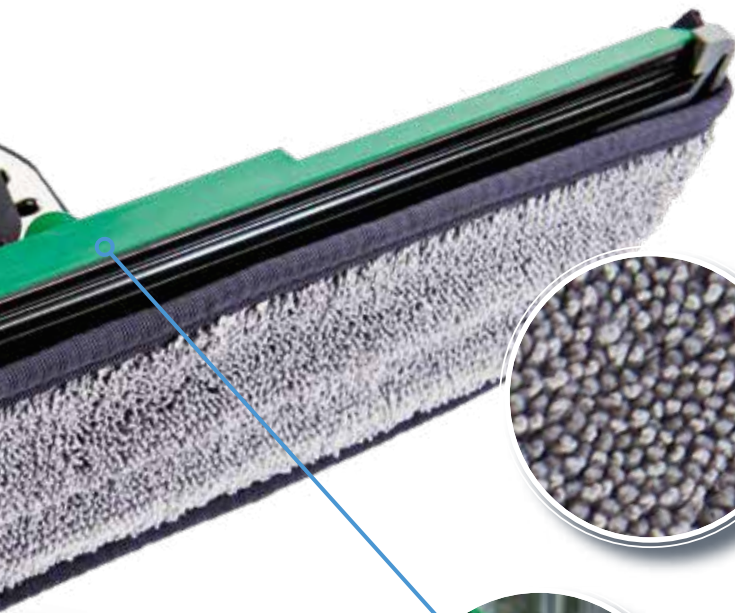


FULLY COMPATIBLE WITH ALL OptiLoc TELESCOPIC POLES

INNOVATIVE 360° SWIVEL

- **360° movement** up and down as well as left and right
- **Permanent contact** with the glass surface – even when working laterally
- **Easy and intuitive** manual tool – with S-shaped movements as with classic glass cleaning
- Can be locked in **7 working positions** for every type of use

360°



THE INNOVATIVE MICROFIBRE CLEANING PAD

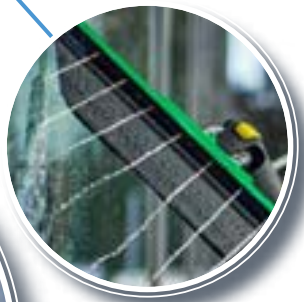
- **Faster dirt removal**, as the microfiber cleaning pad has a larger contact area with the surface of the glass than a conventional brush with bristles
- **Self-cleaning effect** thanks to permanent pure water rinsing via the integrated Rinse Bar
- **Highly effective microfiber technology** for streak-free cleaning
- **Glides easily** over glass surfaces

RINSE BAR

Special rinse bar for powerful, uniform rinsing of the pad and glass over the entire width.



USE AS A HAND TOOL



nLITE® POWER PAD

The ultimate alternative to brushes when cleaning large ground floor glass surfaces.

Part No.	Product	Size	Pack
PWH35	PowerPad complete	35 cm	1
PWH45	PowerPad complete	45 cm	1
PWP35	Microfibre Cleaning Pad	35 cm	5
PWP45	Microfibre Cleaning Pad	45 cm	5

Pad: 90% polyester, 10% polyamide



HydroPower® Ultra S STARTER KIT POWER PAD

Content:
 DIUH1 HydroPower® Ultra S
 ED600 OptiLoc 3-section telescopic pole, 6 m
 DLS25 DuroFlex hose, 25 m, Ø 5/8 mm
 PWH35 nLITE® PowerPad, 35 cm
 PHP35 nLITE® Microfibre Cleaning Pad, 35 cm
 NLWVI Water flow regulator for DLS25
 10790 2 x hooks & loops strips

Length
6,00 m

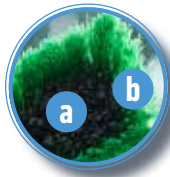
Part No.	Pack
DINKO	1

nLITE® BRUSHES

The nLITE® Power Brushes for the daily challenges in cleaning with pure water

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



The nLITE® Hybrid Brush made of boar bristles for extremely powerful cleaning performance

The brush is highly recommended for maintenance cleaning and for the cleaning of PV/solar modules. Easier glide and less weight than full natural hair brushes

BOAR BRISTLES

- Outside boar bristles - high cleaning power of the folded bristles, no streaks
- Inside bristles with Power Bristle Technology - very high scrubbing power, easy glide, low water absorption



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 socket, 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



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 - more effective than ever before!



nLITE® ANGLE BRUSH

The nLITE® Angle Brushes for large surfaces, frames and corners

SPECIAL BRISTLE CUT

Allows even easier cleaning of corners with 90° angles. The short, stiff bristles inside the brush provide great scrubbing power.



HIGH BRISTLE DENSITY

Guarantees excellent cleaning with little bending as well as long durability.

The brush can also be used with hot water.



ALL-ROUND SHOCK AND EDGE PROTECTION

The all-round shock and edge protection protects the window frame from scratches and damage and reduces noise when in contact with parts of the building. Firmly attached, cannot come loose.



THREE WAYS OF WATER SUPPLY

High flexibility due to three ways of water supply and therefore extremely easy removal of dirt.

- 1 Powerful cleaning by means of a water jet from the centrally integrated nozzle block.
- 2 3 The RinseBar can be used in two different positions: This means that window sills and roller shutter boxes can also be cleaned optimally.



B WATER FED POLE SYSTEM

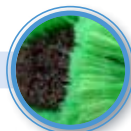
nLITE® BRUSHES



nLITE® POWER BRUSH, FLAGGED

Strong cleaning performance and perfect gliding performance. Recommended for maintenance cleaning

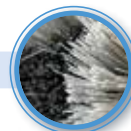
Part No.	Size	Version	Pack
NFK28	28 cm	with rinse bar + swivel loc	1
NFK41	41 cm	with rinse bar + swivel loc	1
NFF28	28 cm	simple	1
NFF41	41 cm	simple	1



nLITE® POWER BRUSH, UNFLAGGED

Very good cleaning performance. Optimal flushing of the bristles with almost no residue. Recommended for maintenance and solar cleaning.

Part No.	Size	Version	Pack
NUK28	28 cm	with rinse bar + swivel loc	1
NUK41	41 cm	with rinse bar + swivel loc	1



nLITE® ANGLE BRUSH, FLAGGED

Strong cleaning performance, large cleaning area. Recommended for maintenance cleaning

- Angled back for larger surfaces, frames and corners
- High bristle density, excellent cleaning with little bending of the bristles
- Special bristle cut - easy cleaning of corners with 90° angle
- All-round bumper and edge protection, firmly attached

Part No.	Size	Pack
NFR28	28 cm	1
NFR41	41 cm	1



nLITE® ANGLE BRUSH, UNFLAGGED

Very good cleaning performance, large cleaning area. Recommended for maintenance and solar cleaning.

- Angled back for larger surfaces, frames and corners
- High bristle density, excellent cleaning with little bending of the bristles
- Special bristle cut - easy cleaning of corners with 90° angle
- Including hoses with quick connectors

Part No.	Size	Pack
NUR28	28 cm	1
NUR41	41 cm	1



nLITE® HYBRID BRUSH

Extremely powerful cleaning performance. Easier glide and less weight than full natural hair brushes. Recommended for maintenance cleaning and solar cleaning.

- Outside boar bristles - high cleaning power of the folded bristles, no streaks
- Inside bristles with Power Bristle Technology - very high scrubbing power - easy glide - low water absorption

Part No.	Size	Bristles	Pack
NUH28	28 cm	Natural bristles+Power	1
NUH41	41 cm	Natural bristles+Power	1



nLITE® SOFT BRUSH

Gentle surface cleaning. Reduces risk of damage to sensitive surfaces.

- Thin bristles with high flexibility
- Short bristles in high density for stable fibre layout

Part No.	Size	Bristles	Pack
NFS28	28 cm	synthetic, 2,5cm	1
NFS41	41 cm	synthetic, 2,5cm	1



All nLITE® brushes are supplied including hoses with quick connector

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

NEW



Quality Tools for Smart Cleaning

Perfection and cleanliness down to the last detail

In combination with the nLITE® telescopic pole system, this tool is an important addition to the equipment of every glass and building cleaner. Bird droppings, stubborn insect residues and other heavy deposits can often prove difficult to remove. The nLITE® holder has been developed for use with the scrubbing pad to remove even stubborn dirt easily and effectively with pure water. The recommended working height is approx. 6 metres, i.e. up to the 1st floor.



nLITE® HOLDER FOR SCRUBBING PADS

For the rapid removal of stubborn dirt from glass surfaces.
CAUTION. Only fits nLITE Carbon 24K and Carbon Composite poles.

- For cleaning glass surfaces with nLITE poles
- Highly versatile thanks to adjustable angle and differently shaped contact surfaces

Item no.	Dimensions	Product	Pack
NLSPH		Holder with scrubbing pad	1
OPS20	25 x 10 cm	Scrubbing pad	10

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

BRUSH OVERVIEW for nLITE® telescopic pole system - also compatible with nLite® Connect telescopic pole system

			WEIGHT		WIDTH	BRISTLES		FEATURES			APPLICATION						
			Brush complete			Material	Length (outside/inside)	Centre nozzle block	Rinse Bar	Swivel Lock	Initial cleaning	Maintenance cleaning	Lift/Gondola	Sensitive surfaces	Solar		
	nLITE® POWER PAD	PWH35	75 g		35 cm	Microfibre Pad											
		PWH45	85 g		45 cm					✓	✓		✓	✓			
	nLITE® POWER COMPLETE	NFK28	346 g		28 cm	Power-Technology flagged	55 mm/40 mm	✓	✓	✓							
		NFK41	488 g		41 cm									✓	✓		✓
	nLITE® POWER nLite CONNECT KIT	NFF28	290 g		28 cm	Power-Technology flagged	55 mm/40 mm	✓									
		NFF41	399 g		41 cm							✓			✓		
	nLITE® POWER COMPLETE	NUK28	356 g		28 cm	Power-Technology unflagged	55 mm/40 mm	✓	✓	✓							
		NUK41	491 g		41 cm									✓	✓		✓
	nLITE® ANGLE FLAGGED	NFR28	500 g		28 cm	Nylon flagged	15-55mm	✓	✓	2 Pos.							
		NFR41	700 g		41 cm									✓			✓
	nLITE® ANGLE UNFLAGGED	NUR28	500 g		28 cm	Nylon unflagged	15-55mm	✓	✓	2 Pos.							
		NUR41	700 g		41 cm									✓			✓
	nLITE® SOFT	NFS28	320 g		28 cm	thin synthetic bristles	25 mm	✓	✓	✓							
		NFS41	440 g		41 cm									✓			✓
	nLITE® HYBRID	NUH28	333 g		28 cm	Boarhair + Power	45 mm/30 mm	✓	✓	✓							
		NUH41	460 g		41 cm									✓			✓

B WATER FED POLE SYSTEM

nLITE® ACCESSORIES



nLite® CONE ADAPTER

Plastic adapter for attaching tools on nLITE® Carbon 24K and Carbon Composite telescopic poles.

Part No.	Pack
NLCLA	1



nLite® EURO THREAD ADAPTER

Plastic adapter for attaching brushes on nLITE® Carbon 24K and Carbon Composite telescopic poles.

Part No.	Pack
NLTHR	1



nLITE® POLE ACCESSORIES

Part No.	Info	Length / Ø	Pack
NLHCC	Extension adapter	40 cm	1
NLHKP	6 clips for outer hose routing		1 Kit



nLITE® HOSES

Part No.	Info	Ø	Pack
DLS25	DuroFlex hose 25m	Ø 5/8 mm	1
DLH25	DuroFlex High Performance hose 25m	Ø 7/10 mm	1

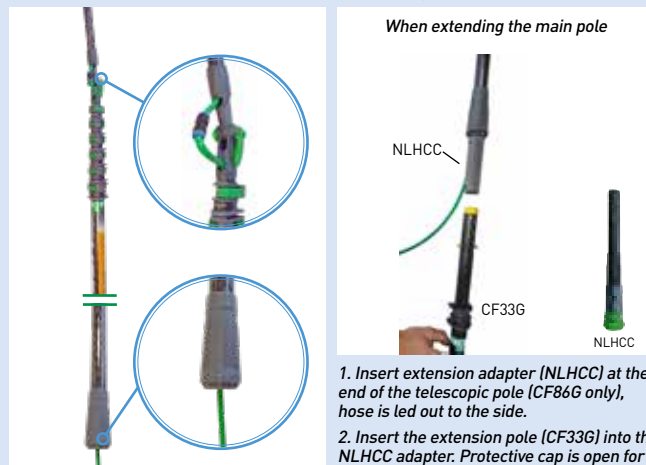


nLITE® WATER FLOW REGULATOR

Part No.	Info	Ø	Pack
NLWWI	for DLS25	Ø 5/8 mm	1
22812	for DLH25	Ø 7/10 mm	1

i nLITE® HOSE ROUTING:

Inner hose routing



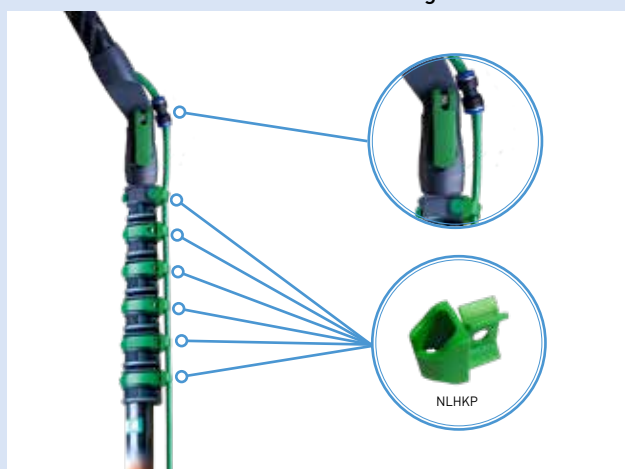
When extending the main pole



1. Insert extension adapter (NLHCC) at the end of the telescopic pole (CF86G only), hose is led out to the side.
2. Insert the extension pole (CF33G) into the NLHCC adapter. Protective cap is open for pole connection.

Insert the hose at the bottom of the pole, lead it out at the top, through the angle adapter and connect it there with the quick connector.

External hose routing



Fit hose clips NLHKP into the clips of the nLITE telescopic pole. Guide the hose through the clips on the outside of the pole and connect it to the angle adapter using the quick connector on the angle adapter.



Example Content is not included.

NLBAG

nLITE® TRANSPORTATION BAG

Solid nylon carrying bag* for nLITE® Carbon 24K and Carbon Composite water-fed poles and brushes.

- Comfortable and easy to transport with a handle or adjustable shoulder strap
- Offers space for up to 5 poles, 2 brushes, 1 hose, 1 angle adapter, 1 extension adapter + two easy-to-reach outer pockets for accessories

Part No.	Pack
NLBAG	1

* not compatible with the nLite Connect system

B WATER FED POLE SYSTEM

nLite[®] connect ACCESSORIES



Quality Tools for Smart Cleaning



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



MultiLink ANGLE ADAPTER

Plastic angle adapter with screw adjustment.
 – Simple to adjust
 – Robust
 – Compatible with all nLite Connect & HiFlo Brushes

Part No.	Pack
FTGOS	1



NL25G

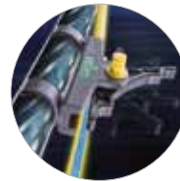


NLH25

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
NL25G	25 m	5/8 mm	1
NLH25	25 m	8/10 mm	1



Universal Hooks & Loops Straps for Ø 20–70 mm poles



nLite[®] Clips for Ø 35 mm poles

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 yellow hoses NL25G & NLH25

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



Example Content is not included.

nLite[®] Connect TRANSPORTATION BAG

For storage, protection and transportation of a complete nLite[®] Connect 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

TRADITIONAL WINDOW CLEANING GREEN LABEL

NEW!

Follow our lead
and make your mark:
For a more sustainable
future.

Protecting our planet, using its resources responsibly and preserving it for the next generation: Acting sustainably is an essential task for mankind and the cornerstone of the **UNGER** philosophy.

- Only the best is good enough: We don't compromise on performance and quality when developing eco-friendly products.
- We are committed to choosing the right raw material suppliers and relevant certifications.
- We incorporate customer requests into our sustainability concept via numerous customer surveys conducted beforehand.

This has resulted in the first fully certified, sustainable range of glass cleaning tools.

This highlights our commitment and that of our customers and shows that we are a pioneer in the industry when it comes to sustainability.

- The **GREEN LABEL** range by **UNGER** encourages more environmentally friendly cleaning services.
- With **GREEN LABEL**, we help you and your customers achieve your sustainability goals.
- **GREEN LABEL** is characterised by the outstanding quality typical of **UNGER** – a long useful life is a key aspect of sustainability.
- Recognisable at first glance: the striking, green-blue design shows that you are taking on responsibility – for yourself and others.



UNCOMPROMISINGLY GREEN!

THE FIRST COMPLETE RANGE OF GUARANTEED CERTIFIED, SUSTAINABLE CLEANING TOOLS

(confirmed by independent institutes)

TRADITIONAL WINDOW CLEANING GREEN LABEL PRODUCTS & CERTIFICATES



Quality Tools for Smart Cleaning



C2C CERTIFIED
MATERIAL
HEALTH
CERTIFICATE™
SILVER

Green Label WINDOW SQUEEGEE

Complete squeegee with FSC™-certified rubber.

- Handle & S-Channel: Non-hazardous materials
- Ergonomic handle made of two components. Complete with S-channel.
- Handle with comfortable S-spring for quick and simple channel change
- Usual high UNGER quality
- Made in Germany

Part No.	Size	Rubber	Pack
GTS35	35 cm	Medium	10
GTS45	45 cm	Medium	10
GTSH0*	Handle		10

*handle only: C2C Certified Material Health Certificate™ Silver



C2C CERTIFIED
MATERIAL
HEALTH
CERTIFICATE™
SILVER

Green Label BUCKET 12 L

Bucket for glass cleaning, made of non-hazardous materials.

- Avoidance of toxic chemical products
- Durable and ergonomic handle fits comfortably in the hand. Vertical handle lock position
- Includes storage options for washers and window squeegees up to 35 cm wide
- Made in Germany

Part No.	Capacity / Inside dimension	Pack
GTB12	12 l / 40 × 19 cm	10



Available from March 2024



EU Ecolabel:
DE/020/517

Green Label LIQUID

Window cleaning soap, gel-like concentrate (1:100).

- Can be applied directly to the washer sleeve or dissolved in water
- pH value 5,1 in aqueous solution
- Container made from recycled material
- Made in Germany

Part No.	Content	Pack
GTL10	1 l	12

C2C CERTIFIED
MATERIAL
HEALTH
CERTIFICATE™
SILVER

C2C Certified Material Health Certificate™ Silver

In order to obtain the Material Health Certificate, all chemicals used in the value chain must be analysed and evaluated with regard to health and environmental hazards. Dangerous chemicals are avoided and replaced with safer substances – for sustainable production.



FSC™

FSC-certified natural rubber is used in our squeegee rubbers – for more sustainable forest management. FSC-certified forests and plantations are managed according to stricter environmental and social principles. FSC-certified materials can be traced throughout the supply chain at all times.



EU Ecolabel

The European Commission awards the EU Ecolabel to products that have a lower environmental impact than comparable products and are therefore healthier and more environmentally friendly. The criteria differ depending on the product group. In the case of textile and cleaning products, evaluation is based on the proportion of recycled materials, the limitation of toxic chemicals, the biodegradability as well as the cleaning performance and durability.



C2C CERTIFIED
MATERIAL
HEALTH
CERTIFICATE™
SILVER

Green Label S-CHANNEL

Complete with FSC™-certified rubber.

- S-Channel: Non-hazardous materials
- Rubber: Degree of hardness: Medium, proportionally with FSC™-certified natural rubber
- Professional quality with sharp edges for streak-free removal
- Made in Germany

Part No.	Size	Rubber	Pack
GTC35	35 cm	Medium	10
GTC45	45 cm	Medium	10



Green Label SQUEEGEE RUBBER

FSC™-certified rubber, Medium degree of hardness

- Proportionally with FSC™-certified natural rubber
- Professional quality with sharp edges for streak-free removal
- Made in Germany

Part No.	Size	Pack
GTR25	25 cm	10
GTR35	35 cm	10
GTR45	45 cm	10
GTR55	55 cm	10
GTR99	106 cm	10



C2C CERTIFIED
MATERIAL
HEALTH
CERTIFICATE™
SILVER

Green Label® WASHER T-BAR

Durable plastic T-Bar with ergonomic bi-component handle.

- Avoidance of toxic chemical products
- Water wells for increased water retention
- Fits securely to pole with Locking Cone
- Made in Germany

Part No.	Size	Pack
GTT35	35 cm	10
GTT45	45 cm	10

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.



SQUEEGEES

p. 35



WASHERS

p. 42



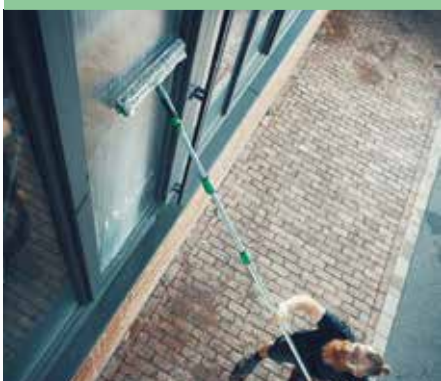
SCRAPERS

p. 46



TELESCOPIC POLES

p. 50



ACCESSORIES

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TRADITIONAL WINDOW CLEANING SQUEEGEES

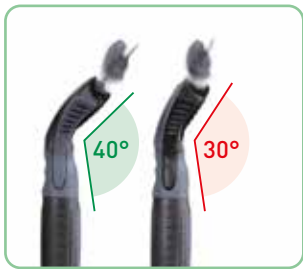


Quality Tools for Smart Cleaning

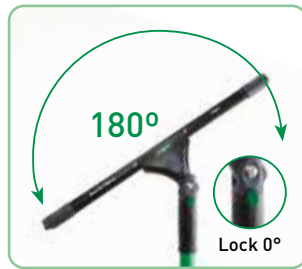
ERGOtec® NINJA



TRADITIONAL WINDOW CLEANING



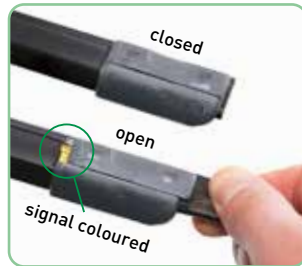
Choose between 40° and 30° head angle versions



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 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



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

TRADITIONAL WINDOW CLEANING SQUEEGEES

ERGOTEC®

NEW!



C2C CERTIFIED
MATERIAL
HEALTH
CERTIFICATE™
SILVER

Green Label WINDOW SQUEEGEE

Complete squeegee with FSC™-certified rubber.

- Handle & S-Channel: Non-hazardous materials
- Ergonomic handle made of two components. Complete with S-channel.
- Handle with comfortable S-spring for quick and simple channel change
- Usual high UNGER quality
- Made in Germany

Part No.	Size	Rubber	Pack
GTS35	35 cm	Medium	10
GTS45	45 cm	Medium	10
GTSH0*		Handle	10



ErgoTec® SQUEEGEE

Stainless steel squeegee with bi-component handle.

- Handle with comfortable S-spring for quick and simple channel change
- Fits securely to pole with Locking Cone
- Compatible with S-Channel and S-Channel Plus
- ES35G, ES45G: including green rubber with outstanding sliding ability

Part No.	Size	Rubber	Pack
ES35G	35 cm	Green ●	10
ES45G	45 cm	Green ●	10
ES250	25 cm	Soft	10
ES350	35 cm	Soft	10
ES450	45 cm	Soft	10
ES550	55 cm	Soft	10
ES25H	25 cm	Hard	10
ES35H	35 cm	Hard	10
ES45H	45 cm	Hard	10
ES55H	55 cm	Hard	10
ETG00		Handle	10
ETX00	+2,5 cm	Handle XL	10



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

NEW!



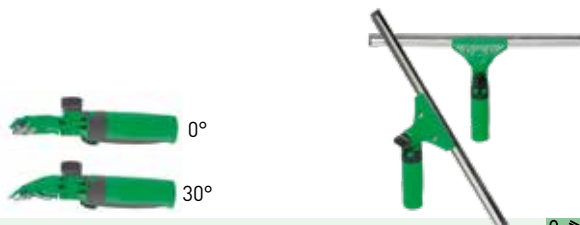
VisaVersa® Pro

Squeegee and washer in one tool. Complete with S-Channel, Microfibre Pad and soft rubber.

- Locking clip for removing or turning the squeegee
- Premium microfibre for ultimate cleaning power and high water absorption
- Won't twist and fall off telescopic poles thanks to ErgoTec® safety cone
- Compatible with S-Channel and S-Channel Plus

Part No.	Size	Rubber	Product	Pack
VW250	25 cm	Soft	VisaVersa Pro complete	8
VW350	35 cm	Soft	VisaVersa Pro complete	8
VW450	45 cm	Soft	VisaVersa Pro complete	8
VEP25	25 cm		VisaVersa Pro Pad	10
VEP35	35 cm		VisaVersa Pro Pad	10
VEP45	45 cm		VisaVersa Pro Pad	10

Pad: 100% polyester



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

TRADITIONAL WINDOW CLEANING

NEW VISA VERSA PRO

UNGER

Quality Tools for Smart Cleaning

Perfectly clean windows in an instant

The **VisaVersa® Pro** combines a washer and window squeegee in a single cleaning tool. The tool's significant improvements guarantee professional cleaning with top results.

Save time: Simply flip it over, so no need to waste time changing cleaning tools on your telescopic pole. Additional benefits:

The VisaVersa® Pro pad stores plenty of water, which means fewer trips to your bucket, and the removable window squeegee allows for quick, streak-free drying.

Work ergonomically: The **VisaVersa® Pro** weighs significantly less than other tools, meaning that it is easy on your joints and you can work without tiring. The non-slip handle ensures greater safety both in your hand and when attached to a telescopic pole

2in1 WINDOW SQUEEGEE

VisaVersa® PRO PAD

- Premium microfibre for ultimate cleaning power
- High water absorption for large coverage
- Super lightweight
- Easy and quick to change
- Machine washable & suitable for tumble drying

CURVED T-BAR

- Effective: ensures greatest contact with glass surface
- Hook & Loops holder for VisaVersa® Pro Pad

ErgoTec® XL HANDLE

- Ergonomic: handle designed for fatigue-free working
- Safe: keep a firm grip with wet hands thanks to 2K surface
- Won't twist and fall off telescopic poles thanks to ErgoTec® safety cone



S-CHANNEL WITH PRO SQUEEGEE SOFT RUBBER

- Superior quality: robust stainless steel
- Practical: variable position, easy-to-change rubber
- Effective: thorough drying thanks to sharp edges
- Fast: glides easily and quickly

QUICK RELEASE THANKS TO COMFORTABLE S-SPRING

- Quick: easy-to-change rubber and channel

LOCKING CLIP

- Open: for squeegee removal
- Closed: choose between two squeegee positions

 **Order information on p. 36**

Wash... turn over... squeegee... DONE!



QUICK & SAFE:

Ideal for use with telescopic poles



THE VisaVersa® Pro OPENS UP BRAND NEW OPTIONS

The **VisaVersa® Pro** washer and squeegee can be detached from each other and used separately.



Experienced users can use the **VisaVersa® Pro** to wash windows and squeegee them in one simultaneous movement.



TRADITIONAL WINDOW CLEANING SQUEEGEES



S SQUEEGEE



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.	Size	Rubber	Pack
SE250	25 cm	Soft	10
SE350	35 cm	Soft	10
SE450	45 cm	Soft	10
SE25H	25 cm	Hard	10
SE35H	35 cm	Hard	10
SE45H	45 cm	Hard	10
SG000		Handle	10



Pro SQUEEGEE



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.	Size	Rubber	Pack
PR250	25 cm	Soft	10
PR350	35 cm	Soft	10
PR450	45 cm	Soft	10
PR000		Handle	10



GC BRASS SQUEEGEE HANDLE



Classic style brass handle.

- Sturdy and durable
- Firm channel fit with screws
- Fits on telescopic pole

Part No.	Pack
GS000	10



UniTec SQUEEGEE



Convenient metal squeegee, good value.

- Sturdy
- Firm channel fit with screws
- Fits on telescopic pole

Part No.	Size	Info	Pack
OW250	25 cm	Complete	10
OW350	35 cm	Complete	10
OW450	45 cm	Complete	10
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

TRADITIONAL WINDOW CLEANING CHANNELS

UNGER

Quality Tools for Smart Cleaning



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

NEW!



C2C CERTIFIED MATERIAL HEALTH CERTIFICATE™ SILVER



Green Label S-CHANNEL



Complete with FSC™-certified rubber.

- S-Channel: Non-hazardous materials
- Rubber: Degree of hardness: Medium, proportionally with FSC™-certified natural rubber
- Professional quality with sharp edges for streak-free removal
- Made in Germany

Part No.	Size	Rubber	Pack
GTC35	35 cm	Medium	10
GTC45	45 cm	Medium	10



S CHANNEL



Stainless steel channel with variable positioning options. Complete with soft and hard rubber.

NE25G-NE55G complete with green rubber for outstanding sliding ability

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

Part No.	Size	Rubber	Pack
NE25G	25 cm	Green ●	10
NE35G	35 cm	Green ●	10
NE45G	45 cm	Green ●	10
NE55G	55 cm	Green ●	10
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 CHANNEL



Brass channels, complete with soft rubber and plastic clips.

- Strong and durable
- Fits on GC brass handle and on Pro handle

Part No.	Size	Pack
GC350	35 cm	10
GC450	45 cm	10



Plastic Clips

For improved hold of rubber in the channel. Solid plastic.

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

TRADITIONAL WINDOW CLEANING RUBBER



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



SOFT

HARD

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	--	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

i RUBBER INFO

SOFT



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

MEDIUM



- Shore hardness: 56 ± 3
- Ideal all year round
- Suitable for all surfaces

HARD



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

NEW!



Green Label SQUEEGEE RUBBER



FSC™-certified rubber, Medium degree of hardness

- Proportionally with FSC™-certified natural rubber
- Professional quality with sharp edges for streak-free removal
- Made in Germany

MEDIUM

Part No.	Size	Pack
GTR25	25 cm	10
GTR35	35 cm	10
GTR45	45 cm	10
GTR55	55 cm	10
GTR99	106 cm	10



SOFT

HARD

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
RP350	35 cm	Soft	25
RP450	45 cm	Soft	25
RP35H	35 cm	Hard	25
RP45H	45 cm	Hard	25



HIGHWAY RUBBER



Cut to fit 15 m rubber roll in cardboard box. Extruded - Household quality.

Part No.	Size	Pack
HIXXL	15 m	1

TRADITIONAL WINDOW CLEANING SQUEEGEES



Quality Tools for Smart Cleaning

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*			Magnifying Glass
		Material	Head Angle	Fits to Locking Cone		Tension adjustment	Fitting	Sizes	Material	Compatibility	Type	Quality	
ErgoTec® NINJA	***	2 components	30°/40°		✓	TriLoc clip	20 – 105 cm	T6 Aluminium	Ninja Aluminium Channel	Molded	Soft & Hard	TriLoc Clip	p. 35
ErgoTec® Carbon	***	Carbon fibre	30°		-	S-Spring	only handle	-	S-Channel S-Channel Plus	-	-	S-Spring	p. 36
GreenLabel ErgoTec®	***	2 components	30°		-	S-Spring	35 – 45 cm	Stainless Steel	S-Channel S-Channel Plus	Molded	Medium	S-Spring comfort	p. 33/36
ErgoTec®	***	2 components	30°		-	0° screwed plate 30° S-Spring	15 – 55 cm	Stainless Steel	S-Channel S-Channel Plus	Only handle	Soft & Hard	S-Spring comfort	p. 36
ErgoTec® SwivelLoc	***	2 components	0°/30°		✓	S-Spring	only handle 0° / 30°	Stainless Steel	S-Channel S-Channel Plus	Molded	-	0°: screw off plate 30° press S-Spring	p. 36
Visa-Versa® Pro	***	2 components	30°		-	S-Spring	25 – 45 cm	Stainless Steel	S-Channel S-Channel Plus	Molded	Soft	S-Spring comfort	p. 36
S	**	Metal + Rubber sleeve	30°		-	S-Spring	15 – 55 cm	Stainless Steel	S-Channel S-Channel Plus	Molded	Soft & Hard	S-Spring	p. 38
Pro	**	Metal + Rubber sleeve	30°		-	Pro Clip	15 – 55 cm	-	S-Channel S-Channel Plus	-	Soft & Hard	Pro Clip	p. 38
GC	*	Brass	30°		-	Screwed Plate	35 – 45 cm	Brass	Brass Channel	Extruded	Soft	Screw off plate	p. 38
UniTec	*	Metal	30°		-	Rotary button	25 – 45 cm	Stainless Steel	S-Channel S-Channel Plus	Extruded	Standard	Rotary button	p. 38
UniTec Light	*	Plastic	30°		-	Channel hold by handle	30 cm	Aluminium	Alu Channel	Extruded	Household quality	Fixed to channel	p. 38

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, medium or hard rubber? Professional quality or is standard quality enough?

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



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



ERGOTEC[®] NINJA



The center position can be locked by pressing the lock button



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



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

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



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



Quality Tools for Smart Cleaning



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



NEW!



C2C CERTIFIED
MATERIAL
HEALTH
CERTIFICATE™
SILVER


Green Label® WASHER T-BAR  

Durable plastic T-Bar with ergonomic bi-component handle.

- Avoidance of toxic chemical products
- Water wells for increased water retention
- Fits securely to pole with Locking Cone
- Made in Germany

Part No.	Size	Pack
GTT35	35 cm	10
GTT45	45 cm	10



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



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



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



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



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

*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

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*	10
NJ350	35 cm	Blended fabric*	10
NJ450	45 cm	Blended fabric*	10
NJ550	55 cm	Blended fabric*	10
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

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

*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 ¹	25 cm	Polyester*	10
ON350	35 cm	Polyester*	10
ON450	45 cm	Polyester*	10

*Support material/Fibres: 100 % polyester
¹ While stocks last

TRADITIONAL WINDOW CLEANING WASHERS



Quality Tools for Smart Cleaning

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	Water wells	
ErgoTec® NINJA	★★★	Plastic with rubber insert		✓	Screw	Aluminium	Very light	25 – 75 cm	-	p. 43
ErgoTec® Green Label*	★★★	Plastic with rubber insert*		-	-	Plastic	Light	35 – 45 cm	✓	p. 43
ErgoTec®	★★★	Plastic with rubber insert		-	-	Plastic	Light	25 – 45 cm	✓	p. 43
Alu	★★	Plastic		-	-	Aluminium	Very light	15 – 55 cm	-	p. 43
Swivel	★★	Plastic		✓	Knob	Aluminium	Very light	35 + 45 cm	-	p. 43
UniTec	★	Plastic		-	-	Plastic	Light	25 – 45 cm	✓	p. 43

*C2C Certified Material Health Certificate™ Silver

SLEEVES

	BUDGET	MATERIAL	MICROFIBRE	FEATURES	AVAILABLE SIZES	FASTENING	SCRUB PAD	
ErgoTec® NINJA	★★★	100 % polyamide* 70 % polyacrylic** 20 % polyethylene** 10 % polyamide**	✓	Ultimate cleaning performance	25 – 75 cm	Hooks & Loops	2 x	p. 44
Power	★★★	100 % polyester*/**	✓	20 % higher water absorption***	25 – 55 cm	Hooks & Loops	1 x	p. 44
MicroStrip	★★★	100 % polyamide* 100 % polyethylene**	✓	High water retention - up to 6 times its own weight	25 – 45 cm	Hooks & Loops	1 x	p. 44
Monsoon	★★★	100 % polyamide* 70 % polyacrylic** 20 % polyethylene** 10 % polyamide**	-	Handles large areas	15 – 45 cm	Hooks & Loops	1 x	p. 44
Original	★★	100 % polyethylene* 100 % polyacrylic**	-	Good cleaning power	25 – 45 cm	Hooks & Loops	1 x	p. 44
Pad	★★	100 % polyethylene* 80 % polyacrylic** 20 % polyethylene**	-	Removes tough dirt	35 + 45 cm	Hooks & Loops	scrubbing surface	p. 44
UniTec	★	100 % polyester*/**	-	Standard cleaning power	35 + 45 cm	Snap fasteners	-	p. 44

* Support material
** Fibres

***than standard microfibre sleeves

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

ERGOtec® NINJA

Practical Holster
for the Belt



Available in 2 sizes:
10 cm 15 cm



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



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



Practical Holster & Scraper Combo

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.



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 CARBON BLADE

*

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

MINI SCRAPER PLASTIC BLADE

*

Gentle dirt removal on sensitive surfaces.

Part No.	Size	Info	Pack
22233	4 cm	In a plastic bucket	100

CARBON STEEL BLADES FOR GLASS SCRAPERS 4 cm

For SR03K, SR04K, SR20K, SR50K, STMIN, 22233.

- 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

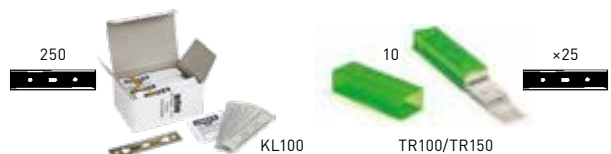


CARBON STEEL BLADES FOR GLASS SCRAPERS 10/15 cm

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	ANGLE ADJUSTMENT	BLADE CHANGE	PROTECTION MECHANISM	
ErgoTec® NINJA (EN100, EN150)	***	Stainless steel	10 cm 15 cm	bi-component plastic		✓	Carriage	Cap	p. 46
ErgoTec® (EG100, EG150)	***	Carbon steel	10 cm 15 cm	bi-component plastic		-	Carriage	Cap	p. 47
PROTRIM (TX100)	***	Carbon steel	10 cm	Plastic	-	-	unfold	retractable blade	p. 47
ErgoTec® SAFETY SCRAPER (SR03K, SR04K)	***	Carbon steel	4 cm	Stainless steel with rubber coating	-	-	push out sideways	retractable blade	p. 47
TRIM 10+1 (TM100, TH100)	**	Carbon steel	10 cm	Stainless steel	-	-	push out sideways	Folding mechanism	p. 47
SAFETY SCRAPER (SR20K, SR50K)	**	Carbon steel	4 cm	Stainless steel	-	-	push out sideways	retractable blade	p. 47
MINI SCRAPER (STMIN, 22233)	*	Carbon steel (STMIN) Plastic (22233)	4 cm	Plastic	-	-	push out sideways	Turn blade	p. 47

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. 46
			10 cm	✓	✓	✓	✓	-	-	Carry case	25 blades	10 carry cases (250 blades)	p. 46
GLASS SCRAPER BLADES (KL100, TR100, TR150, SRB10, SRB20, SRBDB)	***	Carbon steel	15 cm	✓	✓	-	-	-	-	Carry case	25 blades	10 carry cases (250 blades)	p. 47
			10 cm	✓	✓	✓	✓	-	-	Box	250 blades	1 box (250 blades)	p. 47
			10 cm	✓	✓	✓	✓	-	-	Blister pack	100 blades	1 blister pack (100 blades)	p. 47
			4 cm	-	-	-	-	✓	✓	Display box	50 boxes of 5 blades each	1 box (250 blades)	p. 47
									Display box	48 Dispenser of 10 blades each	1 box (480 blades)	p. 47	

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	bi-component plastic		✓	unscrew	Cap	p. 48
ErgoTec® LONG HANDLE SCRAPER (SH250)	***	Stainless steel	10 cm	Long handle (25cm) bi-component plastic	-	✓	unscrew	Cap	p. 48

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. 48

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

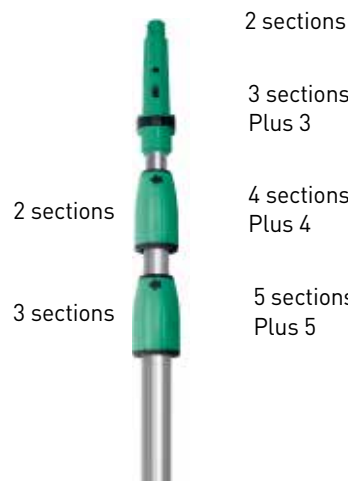
- 2 section telescopic pole
- Available in 3 different lengths
- Interior lock, twist right or left for locking
- Reach in excess of 4 m (13 ft)
(max. pole length 4 m (13 ft) + body height)

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



ERGO TEC® 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

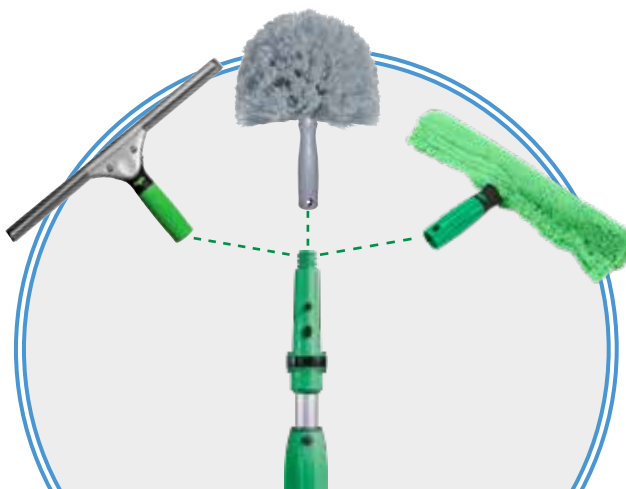
- 2c surface for a comfortable grip
- Ergonomic and secure grip even in wet conditions



ANTI-SLIP END CAP

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

VERSATILE COMPATIBILITY



TRADITIONAL WINDOW CLEANING TELESCOPIC POLE SYSTEM

Pack Unit 10: All poles can be ordered with the pack unit 10 pieces.
"Pick & Pack": Make up 10 pieces or a multiple of 10 from these poles.

OPTI LOC



OptiLoc POLE, 2 SECTIONS

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

Part No.	Size max.	Size min.
EZ120	1,25 m	0,78 m
EZ250	2,50 m	1,40 m
EZ300	3,00 m	1,65 m
EZ400	4,00 m	2,13 m

OptiLoc POLE, 3 SECTIONS

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

Part No.	Size max.	Size min.
ED180	1,85 m	0,96 m
ED370	3,75 m	1,57 m
ED450	4,50 m	1,82 m
ED600	6,00 m	2,27 m
ED750*	7,50 m	2,81 m
ED900*	9,00 m	3,37 m

* These poles are excluded from "Pick & Pack" and are each only available in an unmixed pack unit of 10 pieces!

TELE PLUS



TelePlus POLE, 1,25 m SECTIONS

Modular Telescopic pole with ErgoTec® Locking Cone.

Part No.	Size max.	Size min.	Sections
TZ250	2,50 m	1,66 m	2
TD370	3,70 m	1,70 m	3
TV500	5,00 m	1,75 m	4
TF620	6,20 m	1,78 m	5



TelePlus POLE, 2,00 m SECTIONS

Modular Telescopic pole with ErgoTec® Locking Cone.

Part No.	Size max.	Size min.	Sections
TZ400	4,00 m	2,24 m	2
TD600	6,00 m	2,42 m	3
TV800	8,00 m	2,48 m	4
TF100	10,00 m	2,52 m	5



TelePlus3 EXTENSION

Extension for 2 section poles. Ø 29 mm

Part No.	Size
T3120	1,25 m
T3200	2,00 m



TelePlus4 EXTENSION

Extension for 3 section poles. Ø 33 mm

Part No.	Size
T4120	1,25 m
T4200	2,00 m



TelePlus5 EXTENSION

Extension for 4 section poles. Ø 37 mm

Part No.	Size
T5120	1,25 m
T5200	2,00 m

UNI TEC



UniTec POLE, 2 SECTIONS

Telescopic pole with standard nylon cone. Quick lock by twisting sections against each other

Part No.	Size max.	Size min.
OS210	2,00 m	1,12 m
OS250	3,00 m	1,64 m
OS260	4,00 m	2,13 m









ONE STAGE POLE, 1 SECTION

With ErgoTec® Locking cone. Ø 21 mm

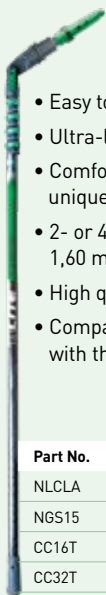
Part No.	Size
HH240	60 cm

OVERVIEW TELESCOPIC POLES

ALUMINIUM TELESCOPIC POLES	QUALITY	EXTENSION	ELEMENTS	POLE LENGTH										LENGTH ADJUSTMENT	HANDLE	SAFETY CONE
				UP TO 2 M	UP TO 3 M	UP TO 4 M	UP TO 5 M	UP TO 6 M	UP TO 7 M	UP TO 8 M	UP TO 9 M	UP TO 10 M				
 OptiLoc	★★★	Telescopic	2	EZ120	EZ250 EZ300	EZ400								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									
			2		TZ400		+ T3200	+ T3200 + T4200	+ T3200 + T4200 + T5200							
			4		TV500		+ T5120									
			3		TD600		+ T4200	+ T4200 + T5200								
			5		TF620											
			4		TV800		+ T5200									
5		TF100														
 UniTec	★	Telescopic	2	OS210	OS250	OS260							Inner closure	Plastic		

i

USE THE HIGH QUALITY nLITE® CARBON COMPOSITE TELESCOPIC POLE




- Easy to use clamps for length adjustment
- Ultra-lightweight and extremely durable
- Comfortable, ergonomic work, innovative, unique pole shape unique pole shape, optimally adapted to the hand
- 2- or 4 section pole, available in the following lengths 1,60 m, 3,20 m und 6,00 m
- High quality mix of carbon and glass fibres
- Compatible with classic glass cleaning tools with the cone adapter



NLCLA

Part No.	Product	Size
NLCLA	nLITE cone adapter with cone	
NGS15	nLITE angle adapter	15 cm
CC16T	nLITE telescopic pole, 2 sections	1,60 m
CC32T	nLITE telescopic pole, 2 sections	3,20 m
CC60T	nLITE telescopic pole, 4 sections	6,00 m

 nLITE Telescopic poles p. 20, more angle adapters p. 23



TRADITIONAL WINDOW CLEANING 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. Incl. ACME thread
 – 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. Incl. ACME thread
 – 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



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



Ergo HANDLE EXTENSION

Additional 20 cm reach for cleaning glass.
 – Offers additional reach for safer cleaning without ladders
 – Fits to all cone tools

Part No.	Size	Pack
HH000	26 cm	10

TRADITIONAL WINDOW CLEANING GLASS CLOTHS



Quality Tools for Smart Cleaning

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
SCRM1	92 × 92 cm	100 % Linen	10

* 80 % polyester, 20 % polyamide

TRADITIONAL WINDOW CLEANING

BUCKETS, BELTS, POUCHES



NEW!



C2C CERTIFIED
MATERIAL
HEALTH
CERTIFICATE™
SILVER

Green Label BUCKET 12 L

Bucket for glass cleaning, made of non-hazardous materials.

- Avoidance of toxic chemical products
- Durable and ergonomic handle fits comfortably in the hand. Vertical handle lock position
- Includes storage options for washers and window squeegees up to 35 cm wide
- Made in Germany

Part No.	Capacity / Inside dimension	Pack
GTB12	12 L / 40 x 19cm	10



BUCKET 12 L

Bucket for glass cleaning.

- Compact, rectangular design for easier transportation
- Durable and ergonomic handle fits comfortably in the hand. Vertical handle lock position
- Includes storage options for washers and window squeegees up to 35 cm wide
- Two spouts, measuring scale
- Made in Germany

Part No.	Capacity / Inside dimension	Pack
QB12B	12 L / 40 x 19cm	10



BUCKET 28 L

Large bucket for glass cleaning.

- Holds 45 cm squeegee
- Features measuring scale and two spouts
- Available optional accessories: lid, bucket sieve

Part No.	Capacity / Inside dim.	Pack
QB220	28 L / 54 x 26,5 cm	5



QB080



QB060

ACCESSORIES FOR BUCKET 28 L

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



BB010



BB020

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



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
BSP0U	30 x 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



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



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 SOAP, GLOVES



Quality Tools for Smart Cleaning



NINJA LIQUID



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
 – pH value 5,1 in aqueous solution

Part No.	Content	Pack
FR10S	1 l	12



NEW
from march 2024



Green Label LIQUID



Window cleaning soap, gel-like concentrate (1:100).
 – Can be applied directly to the washer sleeve or dissolved in water
 – pH value 5,1 in aqueous solution
 – Container made from recycled material
 – Made in Germany

Part No.	Content	Pack
GTL10	1 l	12



UNGER's LIQUID



Window cleaning soap, liquid. Concentrate. Mixing ratio 1:100.
 – Economic and eco-friendly
 – Excellent cleaning power
 – Simply add to water, pH value 6,9 in aqueous solution

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



UNGER's GEL



Window cleaning soap for direct application onto washer.
 – Economic, covers large areas
 – Excellent cleaning power
 – Apply directly onto washer, pH value 6,9 in aqueous solution

Part No.	Content	Pack
FG050	0,5 l	10



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, pH value: 5
Attention: Some surfaces are easily scratched. Always test Rub Out prior to use.

Part No.	Content	Pack
RUB20	0,5 l	12



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
GL02S	7	18 – 19 cm	Neoprene, textile	5
GL02L	8	20 – 21 cm	Neoprene, textile	5
GL02X	9	22 – 23 cm	Neoprene, textile	5
GL02Z	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

While stocks last



POLE GLOVES



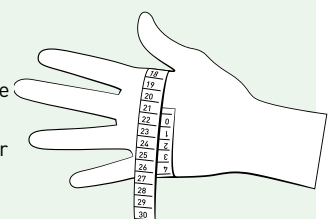
Premium quality gloves, extra robust for pole work.
 – Ergonomic design for full hand movement and pole control
 – Non-slip textured reinforcement panels on palm and fingers
 – Teflon coated fabric for superior water resistance, with triple seams
 – Adjustable hooks & loops wrist strap with hook and 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
GLOC4	XXL (11)	24 – 26 cm	Blended fabric*	5

i 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.

ATTENTION: Neoprene gloves run up to one size smaller. Our recommendation: Order one size larger than you usually wear.
 The tables provide guidelines for your glove size.
 We always recommend trying them on before buying!



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

TRADITIONAL WINDOW CLEANING WINDOW CLEANING KITS

The new glass cleaning kits -
top equipment for every need



AK011A

- High-quality, attractive packaging
- Including detailed instructions for professional window cleaning
- All products in the kit are fully assembled
- Comprehensive sales support available for online sales.
- Three quality levels and equipment - the right one for every need.

The attractive kit scores points on the shelf and in online sales

ERGO TEC®



Professional glass cleaning kits with high-quality ErgoTec® products for professional glass and building cleaners - ergonomic and efficient.



AK015

Illustration similar

ERGO TEC® KITS	STARTER KIT	ADVANCED KIT	COMPLETE KIT
Content:	2in1	3in1	6in1
ES35G ErgoTec® Squeegee 35 cm with green rubber	✓	✓	✓
EH350 ErgoTec® T-Bar 35 cm with Power sleeve (BS350)	✓	✓	✓
QB12B Bucket 12 L		✓	✓
FR100 UNGER Liquid 1 L soap			✓
SR03K ErgoTec® Safety Scraper 4 cm			✓
MF40L MicroWipe Microfibre Cloth 40 × 40 cm			✓
Part No.	AK011A	AK013	AK015
Pack	5	1	1

TRADITIONAL WINDOW CLEANING WINDOW CLEANING KITS



Quality Tools for Smart Cleaning

ERGOtec® NINJA



Premium glass cleaning kit with NINJA high-performance tools for versatile cleaning tasks -
Top performance for the professional glass and window cleaner.



AKN14

Illustration similar

ErgoTec® NINJA KITS	STARTER KIT	ADVANCED KIT	COMPLETE KIT
Part No. / Product	2in1	4in1	6in1
EN350 Ninja Squeegee 35 cm	✓	✓	✓
NA350 Ninja Washer complete, 35 cm	✓	✓	✓
MN40H Ninja MicroWipe microfibre cloth 40 x 40 cm		✓	✓
BB010 Ninja Bucket on a Belt		✓	✓
EN100 Ninja Glass Scraper 10 cm			✓
HT150 Ninja Holster 15 cm			✓
Part No.	AKN10	AKN12	AKN14
Pack	5	5	5

PRO WINDOW CLEANING



Glass cleaning kit with tools for streak-free window cleaning.



AKG14

Illustration similar

PRO WINDOW CLEANING KITS	STARTER KIT	ADVANCED KIT
Part No. /Product	2in1	4in1
SE350 S-Squeegee 35 cm	✓	✓
ON350 UniTec Washer 35 cm, with UniTec sleeve (OE350)	✓	✓
SR20K Safety Scraper 4 cm		✓
MF40E MicroWipe Lite Microfibre Cloth 40x40 cm		✓
Part No.	AKG10	AKG14
Pack	10	10

TRADITIONAL WINDOW CLEANING WINDOW CLEANING KITS

ERGO TEC® KIT

★★★

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.



Illustration similar

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

Part No. ETSET

Pack 1

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.



Illustration similar

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. TRS00

Pack 1

CONSERVATORY KITS

★★

Starter Kit

For cleaning with a telescopic pole. Contains ideal basic equipment for glass cleaning and conservatory cleaning with a telescopic pole.

Complete Kit

Includes tools to effortlessly clean conservatories, patio roofs, glass extensions and other areas that are difficult to access.



Illustration similar

Content:

		STARTER KIT	COMPLETE KIT
ED450	OptiLoc telescopic pole, 3 sections, 4,50 m		✓
EZ120	OptiLoc telescopic pole, 2 sections, 1,25 m	✓	
VV350	NEW: VisaVersa® Pro 35 cm	✓	✓
MF40L	MicroWipe microfibre cloth 40 x 40 cm	✓	✓
MF40E	MicroWipe microfibre cloth Lite 40 x 40 cm		✓
FG050	UNGER's Gel window cleaning soap 0,5 l		✓
COBW0	StarDuster® Cobweb 20 cm		✓
Part No.		AK131	AK130
Pack		1	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. 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

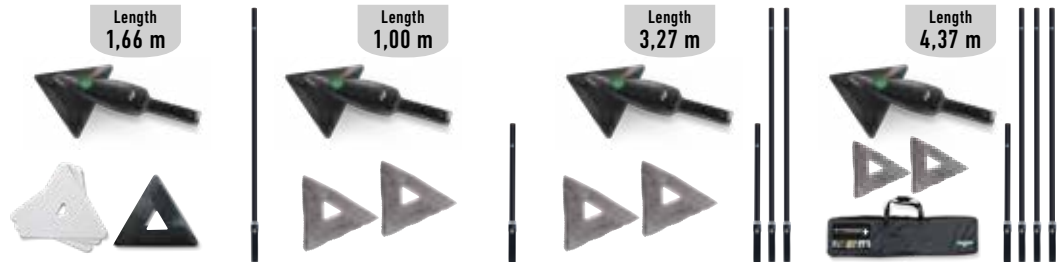
Professional results with minimal training

- **Stingray**: Ready-to-use, easily replaceable pouches, pre-filled with professional glass cleaner
- **Stingray OS**: Removable tank. Can be quickly and flexibly filled with all alcohol-based glass and surface cleaners and with pure water
- 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 KITS		QUICKPAD KIT 160 OS	INDOOR CLEANING KIT 100 OS	INDOOR CLEANING KIT 330 OS	INDOOR CLEANING KIT 450 OS
Part No.	Content	SRKOD	SRK02	SRK03	SRK0H
	Handheld unit (includes 2 x Alkaline AA batteries)	✓	✓	✓	✓
SREXS	Easy-Click-Pole-short (0,63m)		✓	✓	✓
SREXL	Easy-Click-Poles-long (1,24m)	✓		2x	3x
SRPD2	Deep Cleaning Microfibre TriPad		2x	2x	2x
SRADK	Adapter with 25 QuickPads	✓			
SRBAG	Stingray Bag				✓
Pack		1	1	1	1



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 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

While stocks last



Stingray GLASS CLEANER

Professional Glass Cleaner powered by 3M Scotchgard™, for Stingray system with silver cover, without tank.

- Easy gliding, quick drying - high efficiency
- Cleaning power up to 150 m² (at low to medium polluted surfaces)
- 24 pouches (150 ml) in a box (= minimum order quantity)

Part No.	Content	Pack
SRL01	150 ml	24

INDOOR WINDOW CLEANING CLEANING SYSTEM



MICROFIBRE CLEANING PAD

Extra smooth, easy glide microfibre 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

Microfibre 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

Microfibre 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



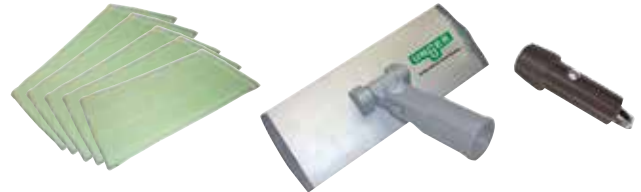
SCRUB PAD, WHITE

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 (5x) 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

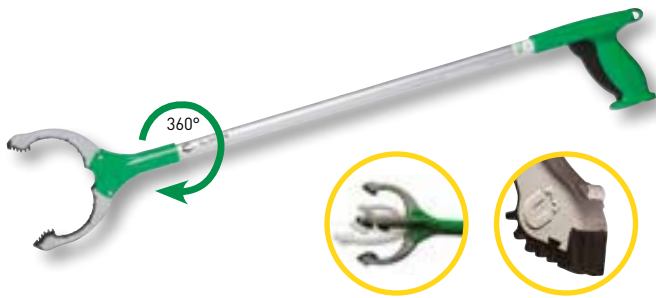
NiftyNabber® – Grabber and Bagger System

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



NiftyNabber® TRIGGER GRIP

Durable litter picker with a strong internal metal bar

360° fully rotating head:

- Access narrow areas
- Locks securely every 90°.
- Robust metal bar inside, lightweight, designed to decrease fatigue

Trigger Grip Handle:

- Made with glass-reinforced plastic for increased durability

Rubber Claws with Magnetic Tip:

- Reliable grip. Opens up to 10 cm wide and holds items up to 2 kg.
- Hold items with the claw's magnetic tip - like coins and cans.

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



NiftyNabber® PRO

A heavy duty litter picker

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.

Rugged Design

- Strong enough for heavy-duty work, light enough to protect from back and arm strain.
- Holds items up to 4,5 kg

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.

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.

Part No.	Size	Pack
PPPP0	100 cm	10
PINP0	Replacement pins for Paper Picker	10



NiftyNabber® BAGGER

A durable and weatherproof waste carrier for 180 l bags that is a great multi-tasking alternative to plastic bags.

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.

- Carries up to 29.5 kg.

Practical:

- Folds flat and can be fixed with buttons for space-saving storage and transport..

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



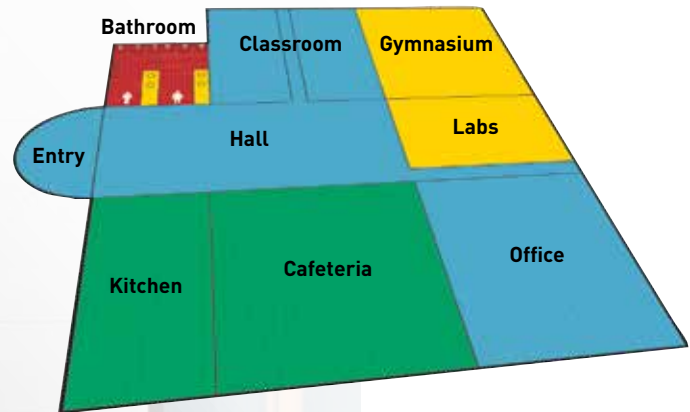
Professional Tools for daily and project cleaning tasks

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

erGO! p. 68

FLOOR CLEANING p. 72

FLOOR SQUEEGEES, FLOOR HANDLES, FLOOR SCRAPERS p. 75

MICROFIBRE CLOTH SYSTEM p. 80

DUSTING & BRUSHES p. 81

BATHROOM CLEANING p. 82

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 spill 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.



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

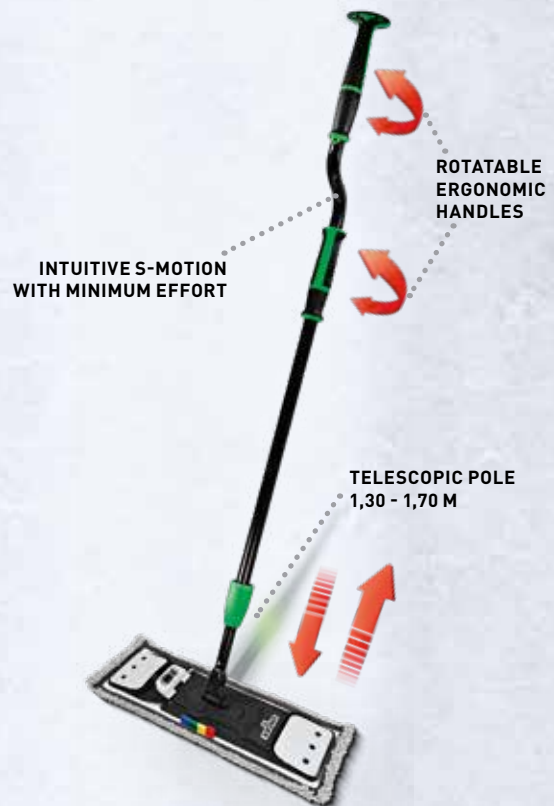
Quality Tools for Smart Cleaning

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 & FINISHING

erGO! clean & erGO! wax

erGO! clean



erGO! clean KITS WITH TANK

Product/PART. NO	Floor-Cleaning-Kit Cleaning Pad FAKT1	Floor-Cleaning-Kit Cleaning Pad PRO FAKT2	Floor-Cleaning-Kit Pocket Mop FAKT3
S-Telescopic Handle FAEPL		✓	
Telescopic Handle FASPL	✓		✓
Mop Pad Holder & Cleaning Pad 40 cm FAVMH / FAVMC	✓	✓	
Pocket Mop Holder & Pocket Mop 40 cm FAPMH / FAPMM			✓
Tank 500 ml & Colour Coding Rings FABTS / FAORS	✓	While stocks last, afterwards 1l tank FABTL	
Tank 1.000 ml & Colour Coding Rings FABTL / FAORS	✓	✓	✓

erGO! clean



erGO! clean KIT WITHOUT TANK

Product/PART. NO	Flat Mop Starter Kit FAKT8
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! wax



erGO! wax KITS

Product/PART. NO	Floor-Finishing-Kit Finishing Pad FAKT5	Floor-Finishing-Kit WonderWaxer FAKT6
S-Telescopic Handle FAEPL	✓	
Telescopic Handle FASPL		✓
Pocket Mop Holder 40 cm FAPMH		
Mop Pad Holder & Finishing Pad 40 cm FAVMH / FAVMF	✓ / 3 x	
WonderWaxer Holder & Sleeve 40 cm QS020 / QS010		✓ / 3 x
Tank 1.000 ml FABTL		✓
Backpack 5 l FABAP	✓	✓



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



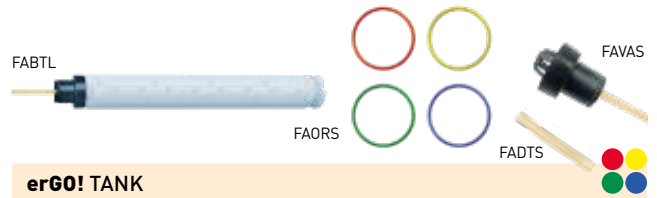
erGO! CLEANING MOPS

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

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



erGO! TANK

Easy connection tanks for erGO! handles

- 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
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



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



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



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



Compact and lightweight double bucket for damp and wet mopping of floors

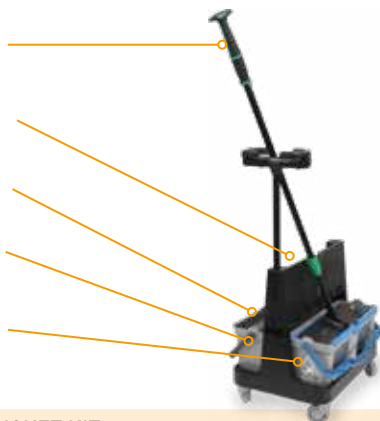
ERGONOMIC POLE

PATENTED WRINGING MECHANISM

SCRUB BOARD

BUCKET FOR DIRTY WATER

BUCKET FOR CLEAN WATER



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



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



SB20G



CB20G

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



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

FLOOR CLEANING

MICROFIBRE MOPS & MOP HOLDER



Quality Tools for Smart Cleaning

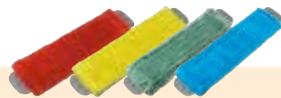


SmartColor FLAT MOP HOLDER

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



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
MM40G	40 cm	●	Microfibre*	5
MM40B	40 cm	●	Microfibre*	5

*Support material: 100 % polyester; 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
MD40G	40 cm	●	Microfibre*	5
MD40B	40 cm	●	Microfibre*	5

*Support material: 100 % polyester; 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
MA45G	47 x 21 cm	●	Microfibre*	5
MA45B	47 x 21 cm	●	Microfibre*	5

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

i 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

White stocks last



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
SV40G	50 cm		DampMop Pad Holder	5

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
















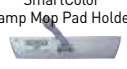

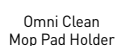



FLOOR CLEANING

MICROFIBRE MOPS & MOP HOLDER

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  p. 71-73	Ceramic Tiles	Natural Stone (Granite, Marble, Slate)	Flexible Coverings (Linoleum, PVC/Vinyl, Rubber)	Laminate	Parquet / Wood	Specific Cases			Mop Holders  p. 73-76	Double Buckets  p. 74-75
						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 MICRO MOP 7.0 			On Roll		Sealed		Sealed	✓*		
crGO! clean Mop Pad 	✓	✓	Tiles/ On Roll	✓			✓	✓	erGO! Mop Pad Holder 	
SmartColor DAMP MOP Pad 		✓	Tiles	✓	Sealed	✓	Sealed	✓	SmartColor Damp Mop Pad Holder 	
OmniClean Mop Pad 	✓	✓	On Roll	✓	Sealed		✓	✓	Omni Clean Mop Pad Holder 	

FLOOR CLEANING

FLOOR SQUEEGEES



Quality Tools for Smart Cleaning



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

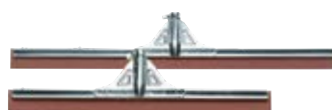


WaterWand HEAVY DUTY

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
FWAI0	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
FP90C	90 cm	Curved	6



AquaDozer® ACME THREAD INSERT

For all AquaDozer®.

Part No.	Pack
FAAI0	10

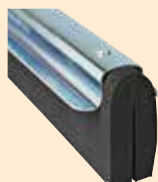
i DOUBLE BLADE

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










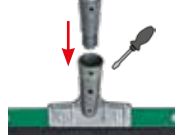
FLOOR CLEANING

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 Combi Squeegee + Brush 	✓						✓	✓	✓	✓	✓		Push and dry: Water, liquids, solvents	Natural rubber (black and natural foam material)	(+)	+	+	ACME thread	 <p>p. 75</p>
WaterWand (black Rubber) 	✓						✓	✓	✓	✓	✓		Push and dry: Water, liquids, solvents	Black neoprene rubber (Chlorophen, foam material)	(+)	+	+	Universal socket	 <p>p. 75</p>
WaterWand (red Rubber) 	✓						✓	✓	✓	✓	✓		Push and dry: Water, liquids, solvents	Red neoprene rubber (Chlorophen, foam material)	+	++	++	Universal socket	 <p>p. 75</p>
AquaDozer® 	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Push away high volumes: Water, dirt, waste, shavings, snow	EPDM (Ethylene-propylene-diene)	+	+	+	Conical universal socket	 <p>p. 75</p>

* Aliphatics, Aromatics, Ketones, Varnishes

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

Floor Handles p. 77

FLOOR CLEANING

FLOOR HANDLES



Quality Tools for Smart Cleaning



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



MOPHANDLE

Lightweight aluminium mop handle.

- Mop holder snaps into place
- Solid and light, made of aluminium, with ergonomic plastic handle

Part No.	Size	Ø	Colour	Pack
MH140	1,40 m	23 mm	●	20



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

Holder/Squeegee		FAPLW	MH140	EZ25G	AL14A	AL14T	AL140	
Diameter		Ø 21 mm	Ø 23 mm	Ø 21 mm	Ø 25 mm	Ø 25 mm	Ø 25 mm	
Inserts & Threads		Hole	Hole for C-Clip	ACME Thread	ACME Thread	ACME Thread	Conical	
erGO! Pocket Mop Holder	FAPMH	✓		✓				p. 71
SmartColor Mop Holder	SM40G	✓	✓	✓				p. 73
erGO! Mop Pad Holder	FAVMH	✓		✓				p. 71
SmartColor Damp Mop Pad Holder	SV40G	✓	✓	✓				p. 73
Sanitary Combi Brush	PB45A PB55A			✓	✓	✓		p. 75
SmartColor SWIVEL Brushes	SB20G CB20G			✓	✓	✓		p. 72
WaterWand	MW450 HMxxx HWxxx		✓		+ FWA10	+ FWA10	✓	p. 75
AquaDozer®	FP600 FP900				+ FAA10	✓		p. 75

FLOOR SCRAPERS & MAINTENANCE TOOLS



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.	Length	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 HEAVY DUTY

For heavy duty jobs, with 1,50 m steel handle.

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

Part No.	Length	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
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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



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



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 54.

MICROFIBRE CLOTH SYSTEM

MICROFIBRE CLOTHS



Quality Tools for Smart Cleaning



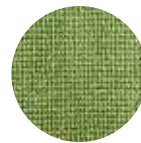
MICROFIBRE CLOTH SYSTEM

AVOID BACTERIAL CONTAMINATION!

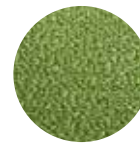
- Five-colour system for optical coding optimises cleaning by dividing tools and areas
- Matching coded tools assigned to specific cleaning areas prevent dangerous bacterial contamination
- Colour-coding facilitates the application of specific chemicals, thus protecting valuables like furniture and floor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

CLOTH SURFACE GUIDE

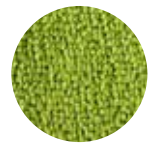
- Guidelines for choosing the right microfiber for the right task
- Optimization of your return on investment (ROI) by purchasing the best grade for your needs



**MICROWIPE
4000**



**MICROWIPE
2000**



**MICROWIPE
200**

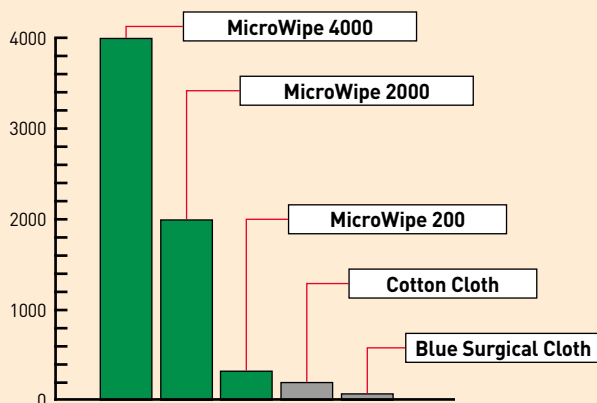


GRADING SYSTEM EXPLAINED

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



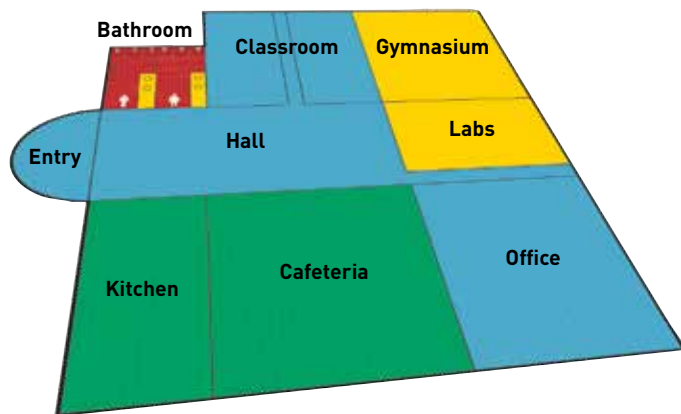
SmartColor MicroWipe

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 per m ²	Wash Cycles (approx.)	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
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



RECOMMENDED USAGE

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



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



DUSTING BRUSHES & DUSTERS



Quality Tools for Smart Cleaning



**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®
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®
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



**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®
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
LWDU0	6



**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 × 18 cm	Disposable Sleeve*	1 Bag (10)
DS50Y	46 × 18 cm	Disposable Sleeve*	1 Bag (50)

*100 % polypropylene



**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 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 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

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

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



NiftyNabber® WASHROOM

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



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® WASHER SLEEVE

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

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

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



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

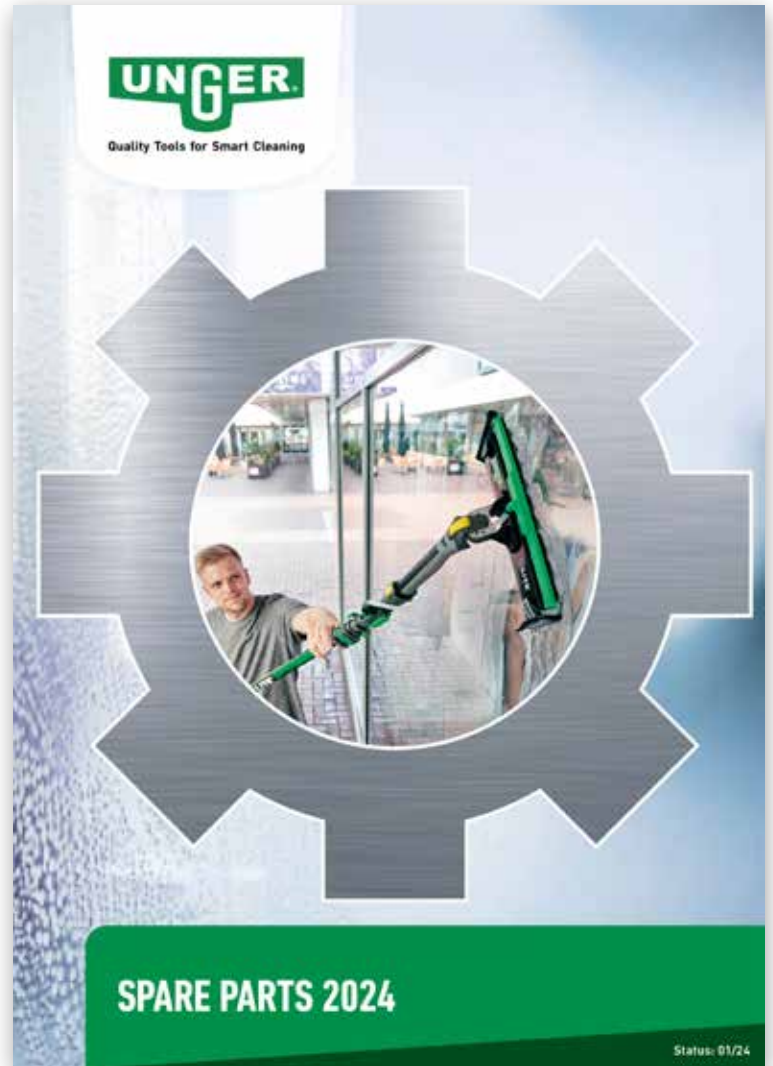
Part No.	Size	Colour	Pack
EW35G	35 cm	●	10

SPARE PARTS

Extensive range of spare parts

Always on the safe side

In a separate list **UNGER** offers spare parts and consumables for the most common products from all categories. You can obtain the spare parts from your specialist dealer.



i SPARE PARTS LIST DOWNLOAD

This QR code leads you to the digital spare parts overview on the **UNGER** website:





Quality Tools for Smart Cleaning

WHENEVER YOU NEED INFORMATION - YOU CAN FIND US EVERYWHERE

Discover everything you need to know about **UNGER** products and the latest cleaning technologies on our homepage ungerglobal.com and in our social media channels:



TRADE SHOW



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