



Quality Tools for Smart Cleaning



PRODUCT ASSORTMENT 2019

VALID FROM 01.01.2019

2019 INNOVATION, EFFICIENCY & UNGER PROFESSIONAL QUALITY

FOR REAL PROFESSIONALS

UNGER is driven to continually develop new products that offer real value to cleaning professionals. All our products are customer-oriented and have been tested and approved by customers before launching to market. Every **UNGER** product is designed with end user safety, comfort and efficiency in mind.

With cleaning contractors in more than 80 countries around the world putting trust in **UNGER** quality, our company has gained international reputation as a leading manufacturer of professional cleaning and maintenance tools.

UNGER BRAND STANDS FOR

- INNOVATION
- QUALITY
- SERVICE



erGO! clean



erGO! wax

INTUITIVE, EFFECTIVE, ULTRAFAST: THE NEW UNGER erGO! CLEAN FLOOR CLEANING SYSTEM!

With the newly developed **erGO! clean** and **erGO! wax** systems **UNGER** raises the professional floor cleaning and care to a new standard of user-friendliness and cost-effectiveness. Thanks to the ergonomic S-shaped handle, the cleaning and finishing of floors can now be mastered with minimal effort by the cleaning staff. Intuitive, back- and joint-friendly and time efficient.

NEW: Performance without limits.

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

HYDRO POWER®



THE MOST EFFICIENT DI PURE WATER SYSTEM EVER!

Inspired by our customers and packed with the latest patented design innovations, **HydroPower® DI Filters** offer a wealth of benefits for professional window cleaners (and everyone who cleans with pure water).

p. 12



p. 21



THE NEXT GENERATION IN PURE WATER TECHNOLOGY

The new **HydroPower® RO** unites advanced intelligent technology, automation and user-friendly features. Thus, the professional user receives a compact and robust mobile Pure Water filtration system that optimally supports him and allows him to focus on the task at hand – doing a great cleaning job!

p. 18

NEW



ERGO TEC: SMARTER. BETTER. UNGER.

Perfect combination for streak-free cleaning results: The new **UNGER ErgoTec®** handle with optimised S-spring and the S-channel Plus with precisely curved ends – so greater cleaning results go hand in hand with easy channel replacement. Made in Germany.

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STINGRAY



STINGRAY – THE MOST EFFICIENT INDOOR CLEANING TOOL EVER

Discover **Stingray** – a safe and simple way to clean indoor surfaces!


A revolutionary, ready-to-run solution to your indoor window cleaning needs, **UNGER Stingray** cleans windows up to 25 % faster and uses up to 39 % less chemical than conventional sprayer and cloth method.

p. 60


INFORMATION AND KNOW-HOW

Learn more about UNGER products and discover the latest cleaning technologies on our website and in our social media channels:


UNGER Website

 www.ungerglobal.com


Industry-Blog

 www.clean-magazine.com

facebook

 [/ungergermany](https://www.facebook.com/ungergermany)

YouTube

 [/UNGEREurope](https://www.youtube.com/UNGEREurope)


Instagram

 [/ungereurope](https://www.instagram.com/ungereurope)

twitter

 [/ungergermany](https://www.twitter.com/ungergermany)

LinkedIn

 [/company/unger-germany/](https://www.linkedin.com/company/unger-germany/)

XING


 [/companies/ungergermanygbh](https://www.xing.com/companies/ungergermanygbh)



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Professional Window Cleaning

Delivering expert solutions and high quality service for over 50 years

The World's Number 1 brand in professional window cleaning, **UNGER** have been delivering innovative solutions for expert cleaning and maintenance since 1964. Over the years we have celebrated many major milestones a lot of them you will find in this catalogue.

Today our range includes a wide choice of best-selling traditional window cleaning tools and multi-award winning Pure Water Cleaning Systems, designed for safe and efficient cleaning of external glass, building facades, solar panel, signage and more at heights of up to 20 m.

UNGER'S latest innovation – the **Stingray** Indoor Cleaning System allows you to clean indoor windows and other surfaces up to 25 % faster, using 39 % less chemicals. Powered by 3M Scotchgard, the **Stingray** allows you to reach heights of up to 4m safely from the ground, creating lasting protection against dust, fingerprints and fogging with every clean.

With all **UNGER** products covered by 100 % Customer Satisfaction Guarantee, cleaning contractors in more than 80 countries around the world trust in **UNGER** quality.

WINDOW CLEANING

PURE WATER CLEANING SYSTEM



Applied with water fed pole system such as **nLite®**, **PURE WATER** is the most efficient way of cleaning at heights of up to 20 m safely from the ground. What's more, it requires no chemicals or drying the glass – saving time and money!

TYPICAL APPLICATIONS: Residential or commercial window cleaning, large areas of glass, building facades, vehicles, signs and solar panels.

TRADITIONAL WINDOW CLEANING



Traditional handheld tools, designed to meet the demands of the professional window cleaning industry (see page 35).

TYPICAL APPLICATIONS: Suitable for cleaning most types of outdoor and indoor glass and windows.

INDOOR WINDOW CLEANING



Innovative and effective tools, designed to meet the demands of general cleaners for quick and efficient indoor window cleaning (see page 60).

TYPICAL APPLICATIONS: Suitable for cleaning indoor glass, windows, mirrors and many other types of surfaces. Perfect for hard to reach areas and safe cleaning of surfaces at heights of up to 10 m.

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



SAFETY

- **UNGER** Pole Systems allow to clean at heights of up to 20 m safely from the ground
- No need to use dangerous ladders or hire expensive equipment

LABOUR EFFICIENCY

- One step cleaning – no need to dry windows
- Large areas can be cleaned faster than using traditional methods

ECONOMIC BENEFITS

- Improved safety helps to reduce insurance cost
- Greater efficiency means more work can be done in the same time
- No need to use expensive chemicals – good for environment, operator and client!

WHY USE PURE WATER FOR CLEANING?

Because it's pure it offers superior cleaning power and results without the need for chemicals, leaving glass and surfaces spot and streak free - saving time, effort and money.

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

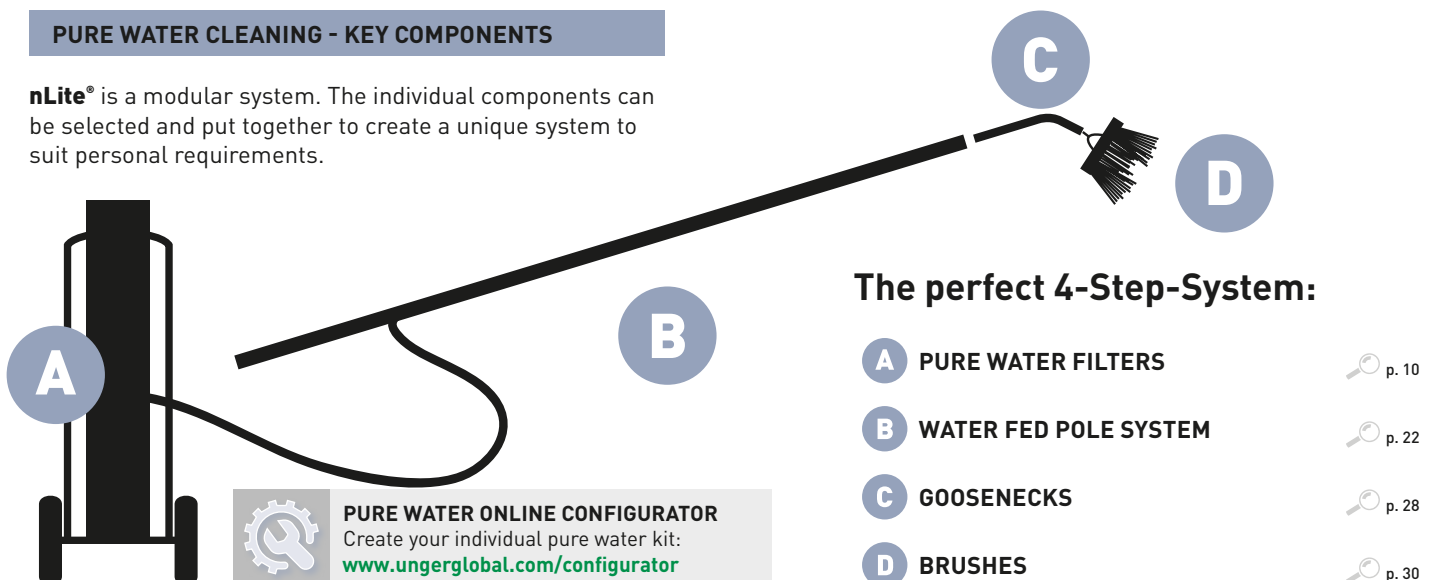


PV- AND SOLAR PANEL CLEANING:

- 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

PURE WATER CLEANING - KEY COMPONENTS

nLite® is a modular system. The individual components can be selected and put together to create a unique system to suit personal requirements.



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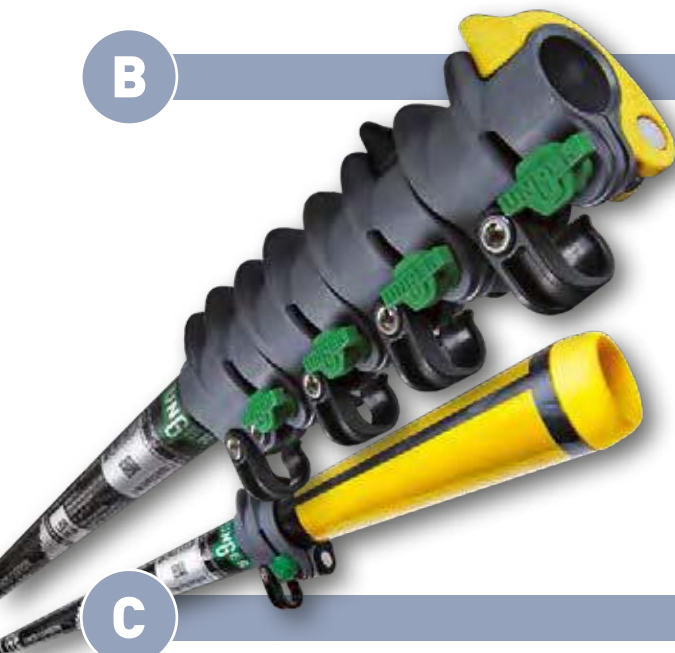
PURE WATER FILTERS

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

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

p. 10

B



WATER FED POLE SYSTEMS

Light, modular and easy to use. Our **nLite**® System sets a new benchmark in professional cleaning technology.

Suitable for cleaning of glass and building facades, stainless steel, solar panels, signage and vehicles, the innovative system includes everything you need to clean at heights of up to 20 m (65 ft) high safely from the ground.

p. 22

C



GOOSENECKS (ANGLE ADAPTERS)

Strong and light carbon fibre goosenecks allow the **nLite**® Brush to be screwed directly on to the gooseneck and then quickly fitted to the water fed pole to achieve any working angle.

p. 28

D



BRUSHES

Superlight Brushes feature high quality polyester or natural bristles designed to get into the smallest corner and help with scrubbing actions. With up to 12 different Jet locations and choice of sizes, there is a perfect Brush to help you overcome any cleaning challenge.

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WINDOW CLEANING PURE WATER FILTERS

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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.

UNGER DEIONISATION (DI) HYDRO POWER®



p. 12

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.

UNGER REVERSE OSMOSIS (RO)



p. 18

The **UNGER RO** utilizes 3 stage water purification system.

First, Carbon-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 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
- Medium to large sizes – for frequent cleaning of large areas
- Use as final stage of water purification process, after RO membrane, to achieve 100 % pure water

RECOMMENDED FOR:

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



PURE WATER ONLINE CONFIGURATOR

Create your individual pure water kit:
www.ungerglobal.com/configurator



HYDRO POWER®

UNGER

THE
CLEANING
SHOW INNOVATION
AWARDS
WINNER



DI
FILTER

PURE WATER FILTERS

HYDRO POWER® DI FILTER



Quality Tools for Smart Cleaning

A

THE HYDRO POWER® DI SYSTEM

The Most Efficient DI Pure Water System Ever!

Inspired by our customers and packed with the latest patented design innovations, **HydroPower® DI Filters** offer a wealth of benefits for professional window cleaners (and everyone who works or cleans with pure water).

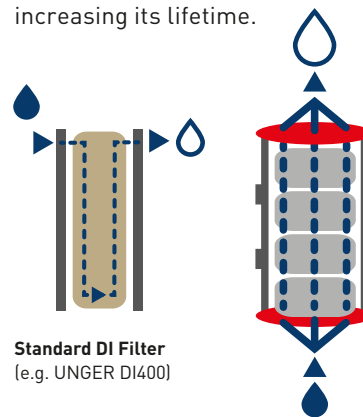
HydroPower® DI Filters exceed standard DI filter efficiency, performance, workflow and comfort thanks to these new features:

- **FloWater Technology**
- **QuickChange Resin Bags**
- **FastLock Opening**

FLOWATER TECHNOLOGY



The innovative water distribution system ensures more efficient water flow through the entire vessel, improving resin efficiency and increasing its lifetime.



Standard DI Filter
(e.g. UNGER DI400)

HydroPower® DI Filter
HIGHER EFFICIENCY

SIMPLE AND EFFECTIVE HANDLING



FastLock Opening

- Easy and quick opening and locking of the filter
- Safe, self locking mechanism
- Features pressure release valve



Removable cover

- Including resin stop mechanism to prevent loose resin from leaking with outgoing water flow



TDS Meter (Total Dissolved Solids)

- For instant measuring of the outgoing water hardness



Standard hose fittings

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

QUICKCHANGE RESIN BAGS



The ingenious **QuickChange Resin Bags** allow users to speed up the resin change process by up to 10 times - simply remove the bag with expired resin and insert a new one.

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

- Resin change process is now as simple as changing coffee pods in a coffee machine
- No need for time-consuming emptying, rinsing and filling up of narrow filter vessels
- Each bag is made from a water-permeable material and contains a pre-proportioned amount of **UNGER High Capacity Premium Grade Virgin Mixed Bed Resin**

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.



/UNGEREurope

PURE WATER FILTERS HYDRO POWER® DI FILTER

The HydroPower® DI System



FastLock Opening
Easy & quick opening of the bottle, with pressure release valve.

PP NXT Material
Enhanced material by 50 % glass fibre. Stronger, lighter and safer.

QuickChange Resin Bags
Quick and easy to change on the job. No more wasted resin.

FloWater Technology
Effectively distributes water flow through the resin, increasing pure water output.

CUSTOMISED IN EVERY SIZE

Choose from 3 filter sizes depending on the volume of pure water required and frequency of use to maximise your return on investment.

All filters are supplied complete with **QuickChange Resin Bags** and integrated **TDS meter** to monitor the outgoing water hardness.



DI12x
Contains 1 **QuickChange Resin Bag** (6 l)



DI24x
Contains 2 **QuickChange Resin Bags** (12 l)

DI48x
Contains
4 **QuickChange Resin Bags** (24 l)



HydroPower® DI FILTER

Part No.	Base	Height	Resin Bags	Wheels	Cart
DI48T	30×31 cm	116 cm	4 (24 l)	-	-
DI48C				-	✓
DI24T	30×31 cm	59 cm	2 (12 l)	-	-
DI24W				✓	-
DI12T	30×31 cm	35 cm	1 (6 l)	-	-



FILTER PERFORMANCE

WATER HARDNESS

Filter productivity depends on several factors, such as filter size, water pressure, temperature and most importantly the level of water hardness.

Water hardness is measured in ppm (parts per million) and varies by geographical area.

The table below provides guidance on the expected **HydroPower® DI** Filter performance, before the resin is spent and has to be replaced.



Small (HydroPower® DI12...)

Water Hardness*	Pure Water Output (l)
Soft	> 1.570
Medium	470 – 1.570
Hard	260 – 470
Very Hard	< 260



Medium (HydroPower® DI24...)

Water Hardness*	Pure Water Output (l)
Soft	> 3.140
Medium	1.130 – 3.140
Hard	670 – 1.130
Very Hard	< 670



Large (HydroPower® DI48...)

Water Hardness*	Pure Water Output (l)
Soft	> 6.360
Medium	2.450 – 6.360
Hard	1.490 – 2.450
Very Hard	< 1.490

*Water Hardness:

Soft	< 100 ppm
Medium	100 – 250 ppm
Hard	250 – 400 ppm
Very Hard	> 400 ppm

All values based on 10 ppm as maximum for Pure Water quality.

ECO FLO - OPTIMIZES THE WATER FLOW

Depending on the pressure of the incoming water supply, using the **HydroPower® EcoFlo** insert allows you to restrict the water flow to an optimum level of between 120 – 150 l per hour, which is ideal for regular glass cleaning.

Optimising the water flow in this way allows you to use less pure water, extending the lifetime and performance of a single resin refill in the **HydroPower® DI** Filters by at least 20 %, without compromising the quality of your work.

- Automatically reduces the water flow – see table:
- Fits any industry standard valves
- Can be fitted, removed or replaced inside the water flow valve in seconds – simple
- Supplied as standard with all **HydroPower® DI** Filters, regardless of size
- Replacement can be ordered at: www.ungerglobal.com/ecoflo

PRESSURE GUIDE

Bar	Pure Water Output at the brush with EcoFlo and with nLite® Pole Hose, 25 m
6	180 l/hour
5	150 l/hour
4	120 l/hour
3	Do not use EcoFlo!

PURE WATER FILTERS HYDRO POWER® DI KITS

nLITE^{one}

ENTRY KIT 2,50 M



HydroPower® DI12T WITH nLite® ONE GLASSFIBRE

Content:
 DI12T HydroPower® DI 6l (incl. TDS Meter + Resin)
 GF25T nLite® One Glass Fibre Telescopic Pole 2,50 m
 FTG05 HiFlo MultiLink Angle Adapter
 NLR27* nLite® Radius Brush 27 cm
 NL20G nLite® Hose 20 m
 TMO0V HiFlo Control complete with nLite® Clips + Hooks & Loops Straps

Part No.	Pack
DI012	1

EXPERT KIT 8,10 M



HydroPower® DI24T WITH nLite® ONE CARBON

Content:
 DI24T HydroPower® DI 12l (incl. TDS Meter + Resin)
 CT81T nLite® One Carbon Fibre Telescopic Pole 8,10 m
 FTG05 HiFlo MultiLink Angle Adapter
 NLR27* nLite® Radius Brush 27 cm
 NL25G nLite® Hose 25 m
 TMO0V HiFlo Control complete with nLite® Clips + Hooks & Loops Straps

Part No.	Pack
DI024	1

MASTER KIT 12,20 M



HydroPower® DI48C WITH nLite® ONE CARBON

Content:
 DI48C HydroPower® DI 24l (incl. TDS Meter + Resin + Cart)
 CT12T nLite® One Carbon Fibre Telescopic Pole 12,20 m
 NLG20 nLite® MultiLink Angle Adapter 20 cm
 NLR27* nLite® Radius Brush 27 cm
 NL25G nLite® Hose 25 m
 TMO0V HiFlo Control complete with nLite® Clips + Hooks & Loops Straps

Part No.	Pack
DI048	1

*Colour might be subject to change

nLITE^{connect}

STARTER KIT 6,00 M



HydroPower® DI12T WITH nLite® CONNECT ALU

Content:
 DI12T HydroPower® DI 6l (incl. TDS Meter + Resin)
 AN60G nLite® Connect Alu Master Pole 6 m
 FTG05 HiFlo MultiLink Angle Adapter
 NLR27* nLite® Radius Brush 27 cm
 NL20G nLite® Hose 20 m

Part No.	Pack
DIK12	1

ADVANCED KIT 6,00 M



HydroPower® DI24W WITH nLite® CONNECT GLASSFIBRE

Content:
 DI24W HydroPower® DI 12l (incl. TDS Meter + Resin + Wheels)
 GF60G nLite® Connect Glass Fibre Master Pole 6 m
 FTG05 HiFlo MultiLink Angle Adapter
 NLR27* nLite® Radius Brush 27 cm
 NL20G nLite® Hose 20 m

Part No.	Pack
DIK24	1

PROFESSIONAL KIT 10,00 M



HydroPower® DI48C WITH nLite® CONNECT CARBON

Content:
 DI48C HydroPower® DI 24l (incl. TDS Meter + Resin + Cart)
 CT67G nLite® Connect Carbon Fibre Master Pole 6.63 m
 CT35G nLite® Connect Carbon Fibre Extension Pole 3.41 m
 NLG20 nLite® MultiLink Angle Adapter 20 cm
 NLR27* nLite® Radius Brush 27 cm
 NL25G nLite® Hose 25 m

Part No.	Pack
DIK48	1

PURE WATER FILTERS ION EXCHANGE RESIN



Quality Tools for Smart Cleaning



DIB61



DIB64



DIB84



QuickChange Resin Bags for HydroPower® DI Filters

The ingenious **QuickChange** Resin Bags allow users to speed up the resin change process by up to 10 times - simply remove the bag with expired resin and insert a new one.

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



QuickChange RESIN BAGS 6 L

Each bag is made from a water-permeable material.

- Contains a pre-portioned amount of UNGER High Capacity Premium Grade Virgin Mixed Bed resin
- Simply remove the bag with expired resin and insert a new one

Part No.	Info	Pack
DIB61	1 bag (6 l) in air tight bucket	1
DIB64	4 bags (24 l) in air tight bucket	1
DIB84	4 bags (24 l) in air tight bag	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.

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.

Suitable for use in:

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

PREMIUM GRADE VIRGIN MIXED BED RESIN

Available in 25 l plastic bag or a re-sealable bucket.

- Ideal for all UNGER DI cartridges and HydroPower® DI Filters
- Immediately produces 100 % pure water for streak free glass cleaning
- Suitable for use in refillable DI cartridges, DI pressure vessels or filters for pure water window cleaning

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



DIP25



DIB25

PURE WATER FILTERS HYDRO POWER® RO

HYDRO POWER® RO SYSTEM



RO
FILTER



FIVE SMART REASONS FOR HYDRO POWER® RO

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

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

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

A

REVERSE OSMOSIS FILTERS (RO)

HydroPower® RO

The next generation in pure water technology

Smart design meets high performance

When it comes to designing groundbreaking solutions for safe and efficient cleaning, **UNGER** is always at the forefront of innovation. Meet our latest development – the **HydroPower® RO pure water Filter**. This compact yet powerful mobile filter is super simple to maintain with fast and easy change of key components - without any tools.

Smart assistance meets easy maintenance

The new **HydroPower® RO** unites advanced intelligent technology, automation and user-friendly features, so you can concentrate what matters – doing a great job! While you work, our unique electronic assistant, **RO SMARTGUARD** will keep watch over filter's performance and let you know if anything needs urgent attention or service.

1

MAXIMUM PERFORMANCE

The **UNGER HydroPower® RO** marks a new level of innovation in pure water cleaning; its practical features offer real value to professional window cleaners.

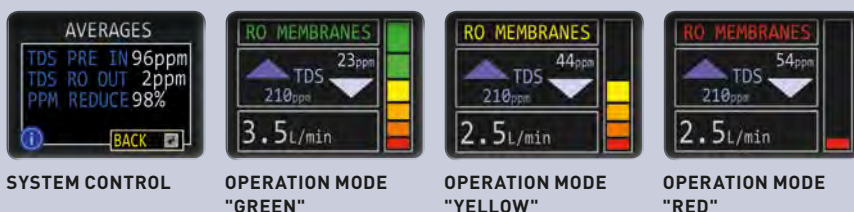
- 2 x RO membranes deliver impressive pure water output: up to 400 L/hr
- Powerful enough for 3 operators to work simultaneously
- Adjustable flow rate allows to optimise filter performance to specific job requirements, extending lifetime of RO membrane and ion exchange resin
- Quiet operation thanks to the latest pump technology

2 INNOVATIVE RO SMARTGUARD MONITORING SYSTEM

The **RO SMARTGUARD** system continuously tracks performance of all filter components, alerting you of any changes to optimal efficiency. Keeping the filter in check at all times, the **RO SMARTGUARD** gives you the freedom to fully focus on your work.

- Continuous visual and numeric reporting of individual performance of Carbon Pre-filter, RO membranes and DI polisher for complete control over outgoing water quality and flow rate for effective cleaning
- Sound alarm when outgoing water is registered at above 0 ppm

- Automated notifications to order or replace parts for timely maintenance and uninterrupted workflow
- Colour LCD display with background illumination
- 6 user-selectable languages
- USB port for software updates



All screens are selectable in German, English, French, Italian, Spanish and Dutch in the display.

3 EASY & QUICK MAINTENANCE HANDLING

- On the start-up the flow of highly concentrated water from membrane is directed to waste water outlet, automatically bypassing resin filter for 1 minute to extend resin longevity
- Automatic flushing of RO membrane during the shutdown extends its lifespan and improves efficiency
- Built in protection against system malfunction from insufficient water flow or pressure
- High quality components ensure long service life **"Made in Germany"**



5 ULTRA FAST & EASY CARE

- FastLock opening makes easy job of changing filter cartridges in seconds (up to 30 times faster*) – simply pull up by the lid and twist to unlock!
- Fast and effortless water drainage and application of RO membrane protection liquid



4 COMPACT AND ROBUST DESIGN

- Filter unit made of premium quality thermoplastic to protect the filter from accidental damage
- Durable metal quick-release connectors, designed to eliminate leaks or drips
- Heavy duty stainless steel frame with maintenance free solid rubber wheels
- Ultra solid pressure housings protect filter components



CE certified

HydroPower® RO FILTER		
Part No.	Product	VPE
R040C	Mobile RO-Filter	1
NLHPA	High Performance Brush Kit	1
NLH25	High Performance Hose Ø 8 mm, 25 m	1

*compared to standard RO systems (e.g. UNGER R030G)

PURE WATER FILTERS

HIFLO R060S



R060S

HiFlo R060S FILTER

Reverse osmosis filter with high pure water production for large areas

- Perfect for cleaning of glass fascades and 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
- Double Membrane for extended water output (more than 750 l/h)
- Extra high power pump to support high water flow
- Big Pre-Filter, optimal security for the membranes
- Big Carbon Pre-Filter to save membranes from chlorine
- Carbon filter lasts app. 200.000 l at 2 ppm chlorine
- Built in TDS meter monitors water and resin quality
- Automatic pump control with dry run protection for added safety
- High quality, corrosion-resistant stainless steel frame



HiFlo RO HIGH PERFORMANCE FILTER

Art. Nr.	VPE
R060S	1

PURE WATER FILTERS

HYDRO POWER® RO XXL



Quality Tools for Smart Cleaning

THE HYDRO POWER® RO XXL SYSTEM

- Fully integrated trailer system with reverse osmosis filter and 750 l water tank
- Total flexibility for producing and transporting 100 % pure water for water fed pole cleaning!
- The ONLY real alternative to commercial van mounted systems



MOBILITY:



Suitable for vehicles with towing capacity of 1.350 kg. High capacity baffled tank integrated into lightweight chassis for easy towing. DOT road specification, single axle, integrated lights and indicators with brake assist. Supplied with European standard coupling, jockey wheel and manual parking brake. Conforms to EU regulations.

SAFETY:



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

FLEXIBILITY:



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

PROTECTION:



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

- Automatic flush function helps to prevent scaling and pollution of the RO membrane and prolong its lifetime.
- Maximum tank volume: 750 l, capacity: 650 l pure water
- 1 or 2 man operation via 2 stainless steel hose reels and 2 x 12 V (10 bar, 150 psi) pumps
- 2 high quality 100 m hoses for optimal reach
- Pure water output – up to 125 l per hour per person
- Digital controller monitors water flow, pressure and battery power
- Control water flow manually or by wireless remote control (max. reach 100 m in open area)
- 3 stage water purification production with dedicated 12 V (10 bar, 150 psi) pump. (Carbon Pre-filter, RO Membrane and **HydroPower® DI Filter Polisher**)
- Integrated TDS meter
- High capacity 12 Volt AGM battery offers 'all day' operation before requiring recharge
- Maintenance free 210 amp hour AGM battery with mains charger supplied
- Optional: Protection cover available for hose reels.

AUTOMATIC FLUSH FUNCTION

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

HydroPower® RO XXL TRAILER

Part No.	
TRLR1	
18845 (Protection Cover)	



WINDOW CLEANING WATER FED POLE SYSTEM

nLite®

TOMORROW'S
CLEANING
AWARDS 2015
FINALIST

THE
**CLEANING
SHOW**
INNOVATION
AWARDS
Winner

2012 **ISSA**
INNOVATION
AWARD
Supplies
Category Winner

UK, Birmingham,
The Cleaning Show 2013

USA, Chicago,
ISSA/INTERCLEAN 2012



/UNGEReurope

B

nLite® WATER FED POLE SYSTEM

Evolutionary Water Fed Pole Technology for professionals

Unveiled in 2012 at ISSA/INTERCLEAN Amsterdam, the **nLite® Water Fed Pole System** has immediately set a new benchmark in pure water cleaning technology.

Since then the **nLite®** range has won several prestigious Innovation Awards and become a go-to solution for professional window cleaners worldwide thanks to its ergonomic design, ease of use and perfect balance between weight and rigidity.

Suitable for cleaning of glass and building facades, stainless steel, solar panels, signage and vehicles, the **nLite® Water Fed Pole system** includes everything you need to clean at heights of up to 20 m high safely from the ground.

2 different designs

There is a perfect **nLite®** pole for any cleaning challenge, all you need to do is decide which one is right for you.

First, choose between telescopic **nLite® One** or telescopic-modular **nLite® Connect** designs, then explore your further options within each range based on required reach and pole rigidity.



nLite® One

nLite® Connect

TELESCOPIC DESIGN

MODULAR-TELESCOPIC DESIGN



TELESCOPIC DESIGN

nLITE[®] one

Meet nLite[®] One - the new, telescopic pole range, made of the same premium materials as the original nLite[®] system and sharing many of its great features.

FAST & SIMPLE SET UP

Traditional telescopic design allows you to easily extend and collapse the pole or adjust its length in seconds.

COMPACT SIZE

Short collapsed length makes the nLite[®] One poles ideal for ground level work or transportation in smaller vehicles.

NEW HANDLE DESIGN

The integrated round shaped handle is designed to sit comfortably in operator's hand for easier brush control, with textured surface for reliable grip. Features side aperture for the hose exit when fitted inside the pole.



FEATURES



DURABLE CLAMPS

For easy and fast one handed operation, with UNGER logo shaped screw for adjusting the tension without tools. Yellow clamps identify the next modular component to prevent unintentional separation.



HOSE MANAGEMENT

Use the practical nLite[®] Clips to secure the hose along the length of the Pole to avoid tangling and improve safety.



RED VISUAL WARNING AREA

At the bottom of each pole section helps you to prevent overextending the pole. Featured on both nLite[®] One and nLite[®] Connect poles.

MODULAR-TELESCOPIC DESIGN

nLITE[®] connect

The original Master and Extension Pole System, combining the best of telescopic and modular designs, has a new name - nLite[®] Connect.

FULL FLEXIBILITY

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

35 MM DIAMETER

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

YELLOW VISUAL WARNING AREA

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

DURABLE PLASTIC ENDCAP

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



WINDOW CLEANING WATER FED POLE SYSTEM

B

nLite® One WATER FED TELESCOPIC POLE SYSTEM

nLite® Pole Selection Guide

TELESCOPIC DESIGN

nLITE
one

GLA
GF16T

SIMPLICITY

Made of the same premium quality materials as the original nLite® series and retaining many of its premium features, the new telescopic nLite® One range is a winner when simplicity and speed of use are essential. All Poles can be extended, adjusted or closed in seconds – fast and easy!

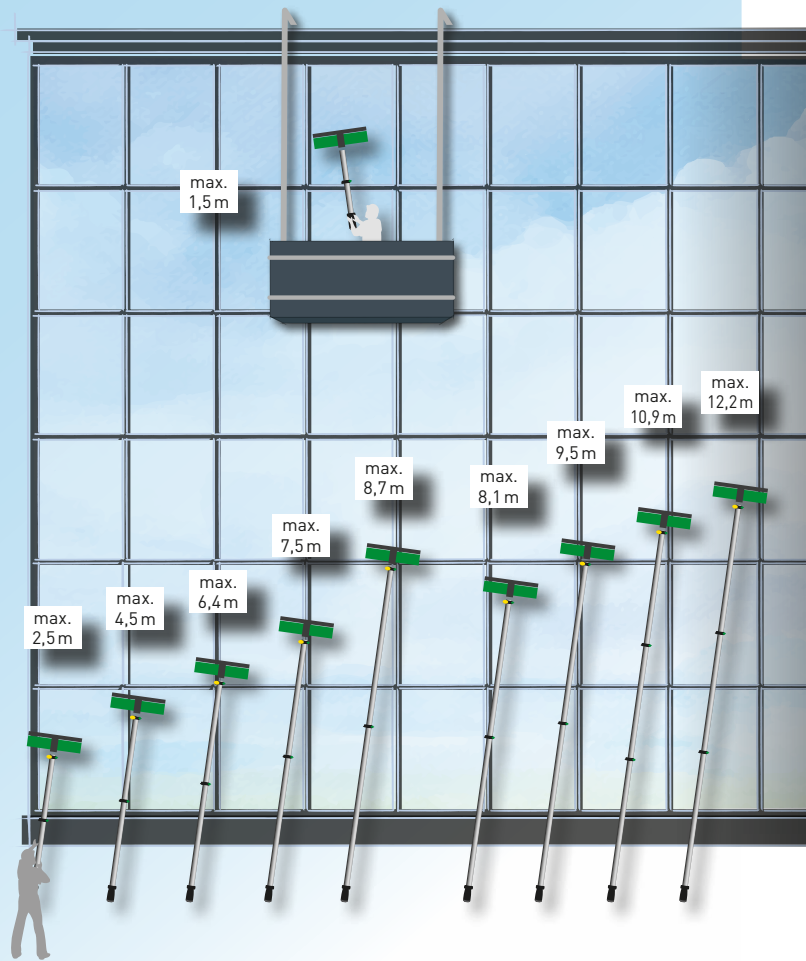
Compact collapsed size of this range makes it ideal for ground level work and transportation in smaller vehicles.

GLASS FIBRE

Choose between 6 pole length options, starting from 1,50 m mini-pole that collapses to only 90 cm – ideal for abseiling or cradle work.

CARBON FIBRE

Featuring the same closed length as the nLite® Connect Carbon Fibre Poles, the fully telescopic design of the nLite® One poles provides even greater rigidity – perfect for easy brush control. Available in 4 pole length options.



GLA					CAR			
GF25T	GF45T	GF63T	GF75T	GF87T	CT81T	CT96T	CT10T	CT12T

To calculate the working reach of any pole you can add an extra 1 m of body height.

Greater heights require poles with greater rigidity and lower weight for optimal performance. The key factor affecting the rigidity of the pole is the material it is made of and its ultimate strength, measured in gigapascals (GPa).

Every nLite® pole is made from premium materials, offering best in glass rigidity, so with 6 options to choose from, there is a perfect nLite® pole for any working height.

ALU

C

ALUMINIUM, 30 GPa

Recommended for working at heights of up to 9 m

GLA

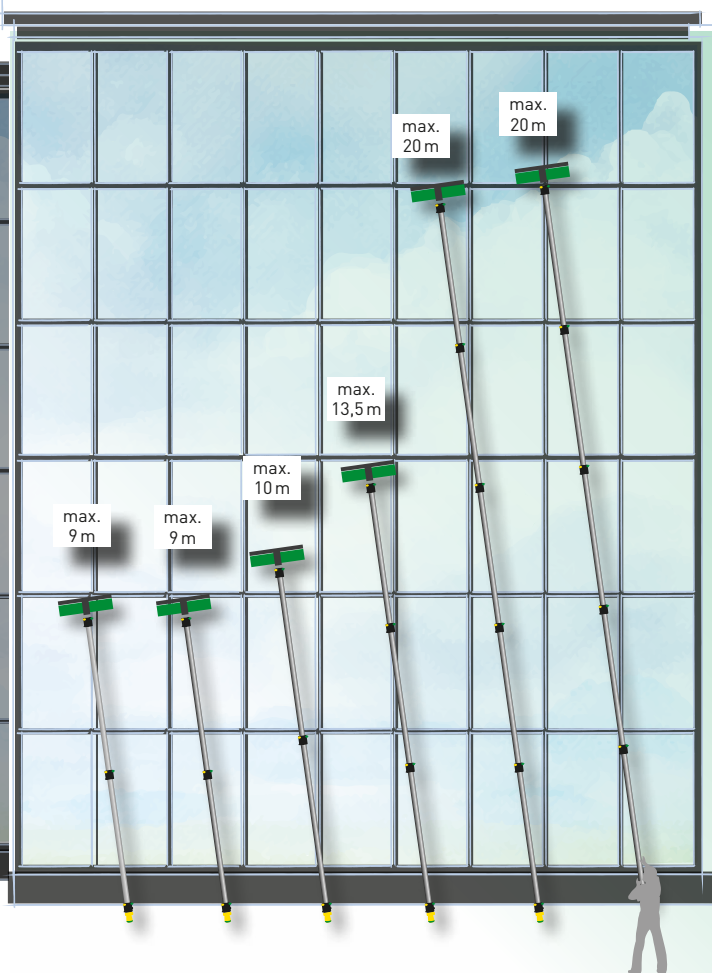
O C

GLASS FIBRE, 70 GPa

Recommended for working at heights of up to 9 m

B

nLite® Connect WATER FED MODULAR-TELESCOPIC POLE SYSTEM



MODULAR-TELESCOPIC DESIGN



FLEXIBILITY

The innovative **nLite® Connect** range utilises both telescopic and modular concepts, so you can add on or remove Extension Poles for comfortable cleaning at any height.

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

The maximum number of Extension Poles that can be added to a Master Pole depends on the pole material – see guide on the left for details.

Choose from 6 high quality materials, selected by **UNGER** experts to provide the perfect balance between weight and rigidity at any height.

- ALU**

1x Master (AN45G/AN60G) +
max. 1x Extension (AN30G)
max. 9 m/3rd floor
- GLA**

1x Master (GF45G/GF60G) +
max. 1x Extension (GF30G)
max. 9 m/3rd floor
- HYB**

1x Master (HT67G) +
max. 1x Extension (HT35G)
max. 10 m/4th floor
- CAR**

1x Master (CT67G) +
max. 2x Extension (CT35G)
max. 13,5 m/5th floor
- HiM**

1x Master (UC67G) +
max. 4x Extension (UC35G)
max. 20 m/6th floor
- UHIM**

1x Master (UH67G) +
max. 4x Extension (UH35G)
max. 20 m/6th floor

PURE WATER ONLINE CONFIGURATOR
Create your individual pure water kit:
www.ungerglobal.com/configurator

HYB **C**

HYBRID, 96 GPa
Recommended for working at heights of up to 10 m

HiM **C**

HiMODULUS CARBON, 360 GPa
Recommended for working at heights of up to 20 m

CAR **O C**

CARBON, 210 GPa
Recommended for working at heights of up to 13,5 m

UHIM **C**

ULTRA HiMODULUS CARBON, 760 GPa
Recommended for working at heights of up to 20 m

O = nLite® One
C = nLite® Connect

WATER FED POLE SYSTEM TELESCOPIC & MODULAR-TELESCOPIC POLES

B nLite® One WATER FED TELESCOPIC POLE SYSTEM

nLITE[®]
one



★★★ CAR 210 GPa

CARBON



★ GLA 70 GPa

GLASS FIBRE



B nLite® Connect WATER FED MODULAR-TELESCOPIC POLE SYSTEM

nLITE[®]
connect



★★★ UHiM 760 GPa

ULTRA HIMOD



★★★ HiM 360 GPa

HIMOD CARBON



★★★ CAR 210 GPa

CARBON



★★ HYB 96 GPa

HYBRID



★ GLA 70 GPa

GLASS FIBRE



★ ALU 30 GPa

ALUMINIUM



Quality of UNGER products



PREMIUM

Top of the range product, loaded with features



BEST

High on features bestseller



BETTER

Standard version



GOOD

Basic version. Good value option.



Quality Tools for Smart Cleaning

CARBON

GLASS FIBRE

nLite® One CARBON FIBRE TELESCOPIC POLE

Telescopic Pole. Superior rigidity, lightweight pole.
Strength of fibre composition: 210 GPa*

Part No.	Extended	Collapsed	Sections	Weight	Base Ø	Pack
CT12T	12,20 m	1,95 m	8	3,5 kg	47 mm	1
CT10T	10,90 m	1,95 m	7	2,9 kg	44 mm	1
CT96T	9,50 m	1,95 m	6	2,5 kg	41 mm	1
CT81T	8,10 m	1,94 m	5	2,0 kg	38 mm	1

nLite® One GLASS FIBRE TELESCOPIC POLE

Telescopic Pole. Highest rigidity in its class.
Strength of fibre composition: 70 GPa*

Part No.	Extended	Collapsed	Sections	Weight	Base Ø	Pack
GF87T	8,70 m	1,80 m	8	3,4 kg	47 mm	1
GF75T	7,50 m	1,80 m	7	2,9 kg	44 mm	1
GF63T	6,40 m	1,42 m	6	2,3 kg	41 mm	1
GF45T	4,50 m	1,41 m	4	1,5 kg	35 mm	1
GF25T	2,50 m	1,40 m	2	0,7 kg	29 mm	1
GF16T	1,50 m	0,90 m	2	0,5 kg	29 mm	1

MASTER

EXTENSION

nLite® Connect ULTRA HIMOD CARBON MASTER POLE

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

Part No.	Extended	Collapsed	Sections	Weight	Bottom Ø	Pack
UH67G	6,63 m	1,87 m	4	1,5 kg	35 mm	1

nLite® Connect ULTRA HIMOD CARBON EXTENSION POLE

Telescopic Extension Pole.
Yellow visual warning area to avoid unintentional separation.

Part No.	Extended	Collapsed	Sections	Weight	Bottom Ø	Pack
UH35G	3,41 m	1,91 m	2	0,7 kg	35 mm	1

nLite® Connect HIMOD CARBON MASTER POLE

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

Part No.	Extended	Collapsed	Sections	Weight	Bottom Ø	Pack
UC67G	6,63 m	1,87 m	4	1,5 kg	35 mm	1

nLite® Connect HIMOD CARBON EXTENSION POLE

Telescopic Extension Pole.
Yellow visual warning area to avoid unintentional separation.

Part No.	Extended	Collapsed	Sections	Weight	Bottom Ø	Pack
UC35G	3,41 m	1,91 m	2	0,7 kg	35 mm	1

nLite® Connect CARBON MASTER POLE

Telescopic Master Pole. Superior rigidity, lightweight pole.
Incl. Thread Adapter and Endcap. Ultimate material strength: 210 GPa*

Part No.	Extended	Collapsed	Sections	Weight	Bottom Ø	Pack
CT67G	6,63 m	1,87 m	4	1,6 kg	35 mm	1

nLite® Connect CARBON EXTENSION POLE

Telescopic Extension Pole.
Yellow visual warning area to avoid unintentional separation.

Part No.	Extended	Collapsed	Sections	Weight	Bottom Ø	Pack
CT35G	3,41 m	1,91 m	2	0,8 kg	35 mm	1

nLite® Connect HYBRID MASTER POLE

Telescopic Master Pole. Excellent rigidity and value.
Incl. Thread Adapter and Endcap. Ultimate material strength: 96 GPa*

Part No.	Extended	Collapsed	Sections	Weight	Bottom Ø	Pack
HT67G	6,63 m	1,87 m	4	1,7 kg	35 mm	1

nLite® Connect HYBRID EXTENSION POLE

Telescopic Extension Pole.
Yellow visual warning area to avoid unintentional separation.

Part No.	Extended	Collapsed	Sections	Weight	Bottom Ø	Pack
HT35G	3,41 m	1,91 m	2	0,9 kg	35 mm	1

nLite® Connect GLASS FIBRE MASTER POLE

Telescopic Master Pole. Highest rigidity in its class.
Incl. Thread Adapter and Endcap. Ultimate material strength: 70 GPa*

Part No.	Extended	Collapsed	Sections	Weight	Bottom Ø	Pack
GF60G	6,00 m	1,71 m	4	1,7 kg	35 mm	1
GF45G	4,50 m	1,34 m	4	1,4 kg	35 mm	1

nLite® Connect GLASS FIBRE EXTENSION POLE

Telescopic Extension Pole.
Yellow visual warning area to avoid unintentional separation.

Part No.	Extended	Collapsed	Sections	Weight	Bottom Ø	Pack
GF30G	3,00 m	1,69 m	2	0,9 kg	35 mm	1

nLite® Connect ALUMINIUM MASTER POLE

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

Part No.	Extended	Collapsed	Sections	Weight	Bottom Ø	Pack
AN60G	6,00 m	1,71 m	4	2,0 kg	35 mm	1
AN45G	4,50 m	1,34 m	4	1,6 kg	35 mm	1

nLite® Connect ALUMINIUM EXTENSION POLE

Telescopic Extension Pole.
Yellow visual warning area to avoid unintentional separation.

Part No.	Extended	Collapsed	Sections	Weight	Bottom Ø	Pack
AN30G	3,00 m	1,69 m	2	1,1 kg	35 mm	1

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

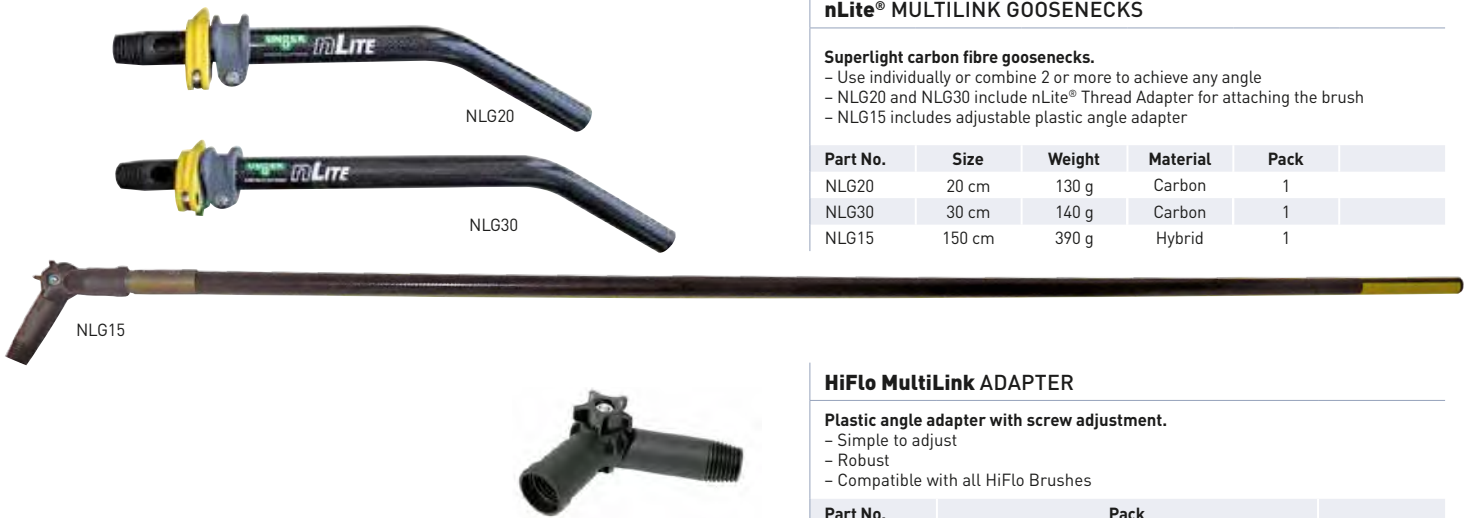
WATER FED POLE SYSTEM GOOSENECKS



nLite® GOOSENECKS

For attaching the brushes to **UNGER nLite®** Water Fed Poles. Our carbon fibre gooseneck attachments will allow you to reach virtually any surface for cleaning, whilst keeping weight to a bare minimum for easier brush control. The full-carbon fibre nLite® Goosenecks are made from

seamless, lightweight, super solid carbon fibre tube. The premium quality carbon fibre material is built to last, and ensures a long life and guaranteed results. Compatible with most water fed brushes featuring standard thread.



nLite® MULTILINK GOOSENECKS

Superlight carbon fibre goosenecks.

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

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

HiFlo MultiLink ADAPTER

Plastic angle adapter with screw adjustment.

- Simple to adjust
- Robust
- Compatible with all HiFlo Brushes

Part No.	Pack
FTGOS	1

nLite® KIT & BAG



nLite® HYBRID STARTER KIT

Contents: Pole, Rectangular Brush 27cm, Hose, Angle Adapter; 2 Pencil and 2 Fan Jets

Part No.	Extended	Collapsed	Sections	Weight	Pack
HTKI4	6,63 m	1,87 m	4	1,7 kg	1



nLite® BAG

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

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

Part No.	Pack
NLBA1	1

WATER FED POLES ACCESSORIES



Quality Tools for Smart Cleaning



HiFlo 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



HiFlo HOSE SET

- 1 x Male hose fitting
 - 1 x Female QR hose connectors

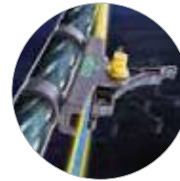
Part No.	Size	Inner Ø	Pack
PH10Y	100 m	5 mm	1



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 RO40C including connector for connection kit NLHPA

Part No.	Length	Inner Ø	Pack
NL11G	11 m	5 mm	1
NL20G	20 m	5 mm	1
NL25G	25 m	5 mm	1
NLH25	25 m	8 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 competely with one quick lever motion
 - Fits any poles Ø 20–70mm
 - Fits hoses external Ø 8 and 9mm

Part No.	Info	Pack
TM00V	Complete with nLite® Clips + Hooks & Loops Straps	1



nLite® TOOL ADAPTER

Plastic adapter for attaching tools on nLite® poles.
 - Locking cone adapter for attaching traditional window cleaning tools

Part No.	Pack
HFNLC	1



HiFlo SOAP DISPENSER

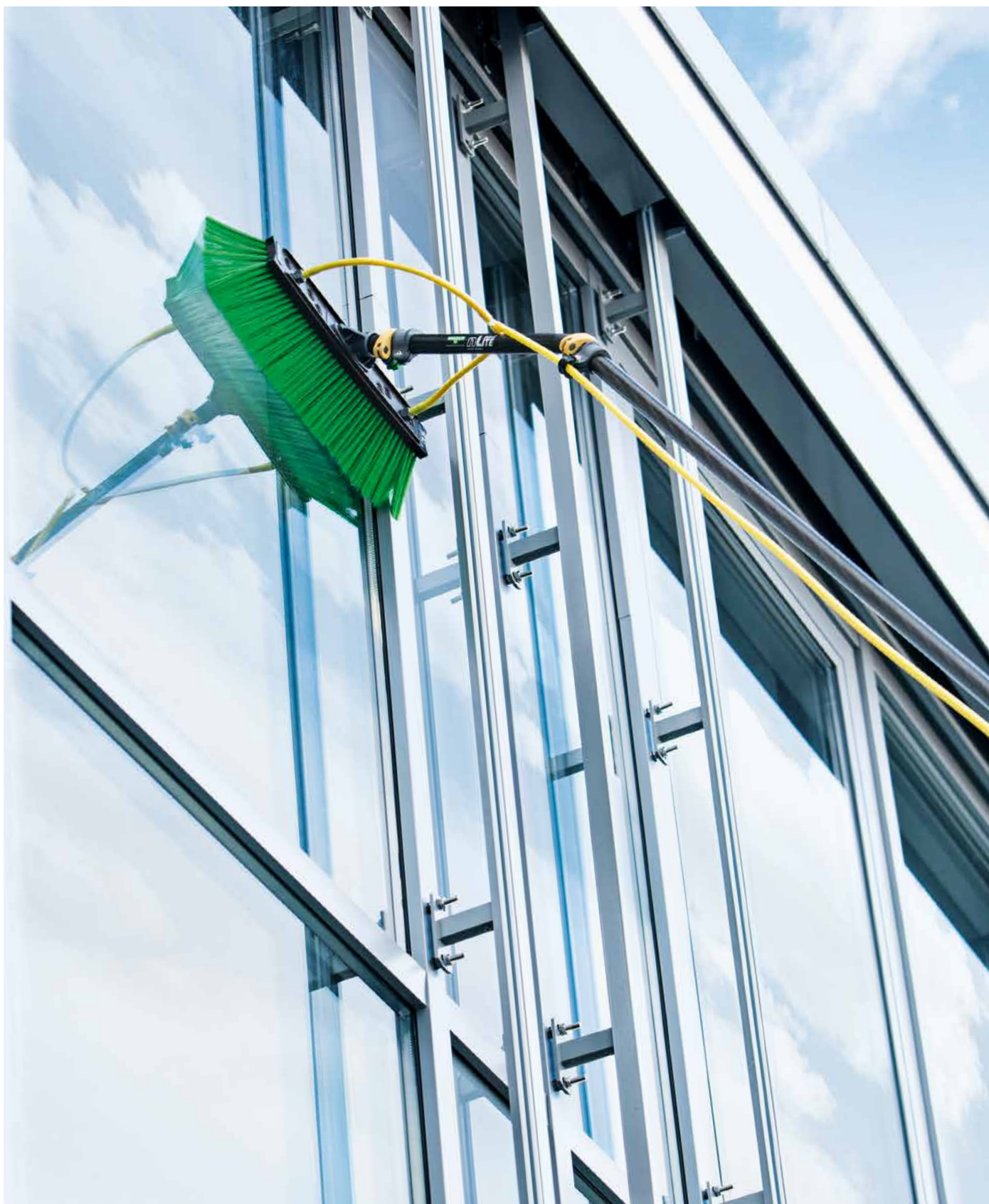
For adding cleaning liquid to pure water flow, after passing through the filter unit.
 - Perfect for lifting stubborn dirt and greasy residue from heavily soiled surfaces
 - Simple connection to standard garden hose
 - Easy to refill and adjust concentration

Part No.	Pack
HCDEU	1



















WATER FED POLE SYSTEM BRUSHES

D

nLite® & HiFlo BRUSHES




D nLite® & HiFlo BRUSHES

		WEIGHT		SIZE	BRUSH BODY			BRISTLES			JETS				
		Brush only	Incl. adapter/jets		Material	Format	Jet Pos.	Material	Soft/Hard	Length	Flexible	Material	Fan & Pencil		
	nLite® BOAR BRISTLE BRUSH NLE27 NLE40	★★★	359 g* 466 g*	403 g* 510 g*	27 cm 40 cm	Plastic porous core smooth solid skin		4 8	Natural boars bristle	Soft	8 cm*	✓	Plastic	Fan & Pencil	p. 33
	nLite® RADIUS BRUSH NLR27 NLR40	★★★	364 g 535 g	408 g 579 g	27 cm 40 cm	Plastic porous core smooth solid skin		4 8	Solvent resistant synthetic bristles	Medium	7,5 cm 8,5 cm	✓	Plastic	Fan & Pencil	p. 33
	nLite® SOLAR RADIUS BRUSH NL27Y NL40Y NL60Y	★★★	364 g 535 g 872 g	408 g 579 g 916 g	27 cm 40 cm 60 cm	Plastic porous core smooth solid skin		4 8 12	Solvent resistant synthetic bristles	Medium	7,5 cm 8,5 cm 9,5 cm	✓	Plastic	Fan & Pencil	p. 33
	nLite® RECTANGULAR BRUSH NL27A NL40A NL60A	★★★	270 g 408 g 806 g	314 g 452 g 850 g	27 cm 40 cm 60 cm	Plastic porous core smooth solid skin		4 8 10	Solvent resistant synthetic bristles	Medium	7,5 cm 8,5 cm 9,5 cm	✓	Plastic	Fan & Pencil	p. 33
	HiFlo SOLAR BRUSH FTSOY	★★	-	490 g	27 cm	Solid plastic		2	Synthetic bristles	Soft	5 cm	-	Brass	Pencil	p. 34
	HiFlo RECTANGULAR BRUSH FTS27	★★	-	490 g	27 cm	Solid plastic		2	Synthetic bristles	Soft	5 cm	-	Brass	Pencil	p. 34
	HiFlo RADIUS BRUSH FTR27 FBR27	★★	-	560 g	27 cm	Solid plastic		2	Synthetic bristles	Soft hard	5 cm	-	Brass	Pencil	p. 34
	HiFlo OVAL BRUSH FTO27 FTO40	★★	-	450 g 690 g	27 cm 40 cm	Solid plastic		2	Synthetic bristles	Soft	5 cm	-	Brass	Pencil	p. 34
	HiFlo CARBON TEC BRUSH CT27A CT40A	★★	-	347 g 380 g	27 cm 40 cm	Solid plastic		2	Synthetic bristles	Hard	5 cm	-	Brass	Pencil	p. 34

* app. 10 % tolerance deviation possible with natural bristles

i PURCHASING GUIDE

- 1. WEIGHT:** Choose lighter brush for longer periods of work.
- 2. SIZE:** 27 cm for standard applications; 40 cm for large areas; 60 cm for special applications, e.g. solar panel cleaning.
- 3. BRISTLES:** Consider the type of surface and level of soiling - see brush bristle guide overleaf for details.
- 4. SHAPE:** Rectangular - universal shape, ideal for any straight surface. Radius brush is perfect for window sills and frames.
- 5. JETS:** Consider the size of the area and type of glass to be cleaned, as well as water pressure available - see overleaf for information on jets types and using more than 2 jets.

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

PURE WATER ONLINE CONFIGURATOR

 Create your individual pure water kit:
www.ungerglobal.com/configurator

WATER FED POLE SYSTEM BRUSHES

D

nLite® BRUSHES

nLite® BRUSHES

Superlight **UNGER** Brushes are designed to get into the smallest corners and lift dirt from surfaces with a highly effective scrubbing action. The **nLite®** Brush body features cutting edge engineering and design, with a porous core and smooth solid exterior skin it offers enhanced structural stability and lighter weight than solid brush block manufacturing.



JETS

Whereas conventional brushes usually only have two jets, **nLite®** Brushes feature up to twelve quick release jets, making it much easier to control the water flow and rinse surfaces.

JET TYPES

Pencil Jets for Hydrophilic Glass
Fan Jets for Hydrophobic Glass



nLite® JETS

Interchangeable, quick release Jets for nLite® Brushes.

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

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

i

BRISTLE TYPES:



NATURAL BOAR BRISTLE: Coarse to the touch, naturally split along the length, each fibre cleans the surface with its entire body, effectively removing dirt from the tiniest of crevices.



POLYESTER BRISTLES: Lightweight and highly durable.



YELLOW POLYESTER, featured on solar brushes, will remove even stubborn dirt yet are gentle enough not to damage delicate surface of the PV-/Solar panels.

ADDING MORE JETS

Create variety of spray patterns with up to 12 locations for interchangeable, quick release Fan or Pencil Jets.

Mix and match the Jets, depending on the type and size of surface you clean, for example 2 Fan Jets and 2 Pencil Jets.

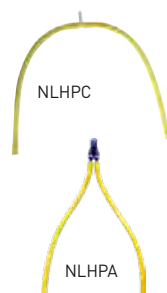
One set of Pencil Jets is included as standard with every Brush.

PRESSURE GUIDE

Adding more jets allows you to clean larger areas quicker and better.

The number of jets you can use depends on the level of water pressure – the higher the water pressure, the higher the number of jets you can use at one time.

2 JETS = Included with brush 1 x NLBJP: 2 Pencil Jets 1 x NLHPC: Hose Kit		2 JETS = Included with brush 1 x NLBJP: 2 Pencil Jets <u>Extra parts required:</u> 1 x NLHPA: Hose Kit	
4 JETS = <u>Extra parts required:</u> 1 Set of jets 2 x NLHPC Hose Kit		4 JETS = <u>Extra parts required:</u> 1 Set of jets 2 x Hose Kit: 1 x NLHPC 1 x NLHPA	
6 JETS = <u>Extra parts required:</u> 2 Sets of jets 4 x NLHPC: Hose Kit		6 JETS = <u>Extra parts required:</u> 2 Sets of jets 4 x Hose Kit 3x NLHPC 1x NLHPA	



nLite® BRUSH CONNECTION KIT

Connects two jets to the brush.

- NLHPC (5mm hose): 2 hose pieces (each app. 29 cm) + 1 T-piece
- T-piece spare part: Part No. 14954
- NLHPA (8mm hose): for use with NLH25 and R040C

Part No.	Pack
NLHPC	1
NLHPA	1



NLE27
NLE40



nLite® BOAR BRISTLE BRUSH



Superlight water fed brush with premium boar bristle.

- Excellent cleaning performance without chemicals
- Variable locations for interchangeable quick release jets
- Plastic porous core brush body for lighter weight

Part No.	Size	Weight	Jet Pos.	Pack
NLE27	27 cm	403 g	4	1
NLE40	40 cm	510 g	8	1

i BOARS BRISTLE

The best boars bristle had been sourced by **UNGER** specialists to produce the new nLite® Boar Bristle Brushes. Coarse to the touch, naturally split along the length, each fibre cleans the surface with its entire body, effectively removing dirt from the tiniest of crevices. Individually set by hand into the body of the Brush with epoxy resin, each bundle of bristles delivers unrivalled cleaning performance, without chemicals. The colour of natural bristles might be subject to change.

i MAINTENANCE OF BOARSHAIR BRUSHES

Natural bristles must dry free hanging without touching the bristles.



NLR27
NLR40



NL27Y
NL40Y
NL60Y

nLite® RADIUS BRUSH/SOLAR RADIUS BRUSH



Superlight water fed brush with unflagged polyester bristles.

- Curved brush body, ideal for cleaning window sills and frames
- Variable positions for interchangeable quick release jets
- Plastic porous core brush body for lighter weight
- Yellow bristle brushes are ideal for cleaning delicate surface of solar panels

Part No.	Size	Weight	Jet Pos.	Pack
NLR27	27 cm	408 g	4	1
NLR40	40 cm	579 g	8	1
NL27Y	27 cm	408 g	4	1
NL40Y	40 cm	579 g	8	1
NL60Y	60 cm	916 g	12	1

nLite® RECTANGULAR BRUSH



Superlight water fed brush with unflagged polyester bristles.

- Straight body brush, ideal for any surface
- Variable positions for interchangeable quick release jets
- Plastic porous core brush body for lighter weight

Part No.	Size	Weight	Jet Pos.	Pack
NL27A	27 cm	314 g	4	1
NL40A	40 cm	452 g	8	1



NL27A
NL40A



i BRUSH ROTATION

The brush body can be switched to a new position by rotating the brush socket through 180°. Switching the position of the brush socket can change the position and angle of the bristles and jets providing greater flexibility and control when cleaning and rinsing different surfaces, angles and structures.



WATER FED POLE SYSTEM BRUSHES

D

HiFlo BRUSHES



HiFlo SOLAR BRUSH SOFT ★★

Soft, with flagged bristles.

- Specially designed for photovoltaic panels
- Highly effective in removing dirt
- Will not damage the panel surface
- Complete with hose connection

Part No.	Size	Bristles	Pack
FTSOY	27 cm	Soft	1



HiFlo RECTANGULAR BRUSH ★★

Soft, with flagged polyester bristles.

- Square edges ideal for corners
- Very strong
- Complete with hose connection

Part No.	Size	Bristles	Pack
FTS27	27 cm	Soft	1



HiFlo CarbonTec BRUSHES ★★

Nylon grey monofilament bristles.

- Back made of robust solid plastic
- Complete with 1 x FTCBA and hose connection
- Available in two sizes

Part No.	Size	Bristles	Pack
CT27A	27 cm	Hard	1
CT40A	40 cm	Hard	1



HiFlo RADIUS BRUSH ★★

Soft, with flagged or hard, with unflagged polyester bristles.

- Curved body
- Ideal for sills, corners and frames
- Complete with hose connection

Part No.	Size	Bristles	Pack
FTR27	27 cm	Soft	1
FBR27	27 cm	Hard	1



HiFlo OVAL BRUSH ★★

Soft, with flagged polyester bristles.

- Very strong
- Complete with hose connection
- Available in two sizes

Part No.	Size	Bristles	Pack
FTO27	27 cm	Soft	1
FTO40	40 cm	Soft	1

WINDOW CLEANING

TRADITIONAL WINDOW 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.



PREMIUM

Top of the range product, loaded with features



BEST

High on features bestseller



BETTER

Standard version



GOOD

Basic version. Good value option

SECURE FIT TO POLE



PUSH ON / SCREW ON

These tools can be pushed on and screwed onto the ACME thread of the **UNGER** Cone to ensure tight and secure fit. The grooves on the **UNGER** Cone prevent the tools from twisting during work.



PUSH ON AND CLICK TO LOCK IN PLACE

All tools with a slot in the handle and "LOCK" inscribed on it, securely lock onto the **ErgoTec**® Locking Cone. Eliminating twisting or dropping during work the **ErgoTec**® Locking Cone is a standard feature on all **OptiLoc** and **TelePlus** poles.

WINDOW CLEANING

TRADITIONAL WINDOW CLEANING

Professional Window Cleaning



SQUEEGEES



p. 37

UNGER squeegees feature comfortable handles, high quality rubber and various locking mechanisms for quick and easy change of the channel.

ErgoTec® NINJA, ErgoTec®, ErgoTec® SwivelLoc, S-Channel Plus, Pro, VisaVersa®, GC, UniTec, UniTecLight



WASHERS



p. 42

UNGER washers are available in a choice of materials with different features and absorbency, as well as various T-Bar designs.

ErgoTec® NINJA, ErgoTec®, Alu, Swivel, UniTec, MicroStrip, Monsoon, Original, Pad



SCRAPERS



p. 46

UNGER scrapers are perfect for removing stubborn dirt and glue residue. With various designs, safety features and blade sizes, there is an option to suit any budget and task.

ErgoTec® NINJA, ErgoTec®, ProTrim, Trim



TELESCOPIC POLES



p. 50

Lightweight, yet durable telescopic pole in various lengths put everything within arm's reach. Clean at heights of up to 10 m safely from the ground, without ladders.

OptiLoc, TelePlus, UniTec



ACCESSORIES



p. 54

Our extensive range includes everything to build up a professional kit – from protective gloves, belts and pouches to specialist detergents, buckets and cloths.

TRADITIONAL WINDOW CLEANING SQUEEGEES



Quality Tools for Smart Cleaning

SQUEEGEES



PRODUCT OVERVIEW

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

	BUDGET	HANDLE		SWIVEL	CHANNEL			RUBBER*				
		Material	Fits to Locking Cone	Tension adjustment	Fitting	Sizes	Material	Type	Soft	Hard		Fitting
ErgoTec® NINJA The ultimate high performance squeegee, featuring TriLoc mechanism for reliable hold of channel and freely adjustable and lockable swivel head. Available in 30° and 40° angle version.	***	2k (Plastic with rubber insert)		Metal screw needs coin or screw-driver	TriLoc: clip press & release	20 – 105 cm	T6 Aluminium	Molded	✓	-	Side Clips on Ninja Channel	p. 38
ErgoTec® Carbon Superlight, hand-crafted carbon fibre handle. 18 % lighter than bicomponent ErgoTec® squeegee handle.	***	Carbon fibre		-	S-Spring: press & release	-	-	-	-	-	Press S-Spring	p. 39
NEW ErgoTec® Stainless steel squeegee with bi-component handle. Advanced ergonomic design for comfortable use every day. Quick and simple channel change.	***	2k (Plastic with rubber insert)		-	NEW S-Spring: press & release	15 – 55 cm	Stainless Steel	Molded	✓	✓	Press S-Spring	p. 39
ErgoTec® SwivelLoc Swivel squeegee head, freely adjustable and lockable – a problem solver for hard-to-reach areas. Available in 2 head angles – straight and 30° version, ideal for working at height.	***	2k (Plastic with rubber insert)		Plastic screw turn 0° position fixable with button	0° screwed plate 30° S-Spring	only handle 0° / 30°	Stainless Steel	Only handle	-	-	0°: screw off plate 30°: press S-Spring	p. 39
S Solid, stainless steel squeegee with rubber coated handle. S-Spring for easy & quick channel and rubber change.	**	Metal + Rubber sleeve		-	S-Spring: press & release	15 – 55 cm	Stainless Steel	Molded	✓	✓	Press S-Spring	p. 39
Pro Standard Squeegee for daily work. Clip for easy & quick channel and rubber change. Rubber sleeve for comfortable grip.	**	Metal + Rubber sleeve		-	Clip lock easy release	15 – 55 cm	Stainless Steel	Molded	✓	✓	Open clip	p. 39
Visa-Versa® Squeegee and washer in one tool. Great time saving choice for cleaning at height – no need to change the tool!	**	Plastic Finger grooves		-	S-Spring: press & release	15 – 55 cm	Stainless Steel	Molded	✓	✓	Press S-Spring	p. 39
GC Classic style brass squeegee. Sturdy and durable.	*	Brass		-	Screwed Plate needs screwdriver	25 – 55 cm	Brass	Extruded	✓	-	Screw off plate	p. 41
UniTec Basic metal squeegee. Quick channel release.	*	Metal		-	Squeezed by button	25 – 45 cm	Stainless Steel	Extruded	✓	-	Turn button	p. 41
UniTec Light Lightweight squeegee for glass or flat surfaces, ideal for household use.	*	Plastic		-	Channel hold by handle	30 cm	Aluminium	Extruded	✓	-	Fixed to channel	p. 41

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

i PURCHASING GUIDE

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



This product securely locks on ErgoTec® Locking cone.



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

TRADITIONAL WINDOW CLEANING SQUEEGEES

ERGOtec® NINJA

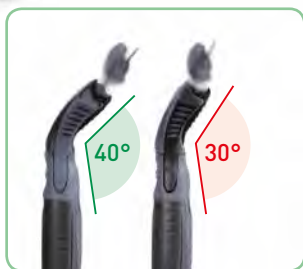


ErgoTec® NINJA WINDOW SQUEEGEE



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

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



Choose between 40° and 30° head angle versions



The center position can be locked by pressing the lock button



Locking Mechanism to secure the swivel head in center position



New and improved end clip mechanism



ErgoTec® NINJA SQUEEGEE CHANNEL



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

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



ErgoTec® NINJA HANDLE



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

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

i RUBBER INFO

SOFT



- Shore hardness: 53 ± 2
- Ideal for colder temperatures
- Adjusts better to uneven surfaces

HARD



- Shore hardness: 60 ± 2
- Ideal for warmer temperatures
- Ideal for large, smooth surfaces

ERGOTEC®



73g



NEW



VisaVersa®



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

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

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

ErgoTec® CARBON HANDLE



The lightest professional squeegee handle.

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

Part No.	Pack
UCH00	1

ErgoTec® SQUEEGEE



Stainless steel squeegee with bi-component handle.

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

Part No.	Size	Rubber	Pack
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® SWIVEL LOC HANDLE



Swivel squeegee head, freely adjustable and lockable.

Problem solver for hard-to-reach places.

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

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

S SQUEEGEE



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

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

TRADITIONAL WINDOW CLEANING SQUEEGEE RUBBER & CHANNELS



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



Pro SQUEEGEE RUBBER

★★★

10 rubbers per bag. Professional quality.

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

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

i RUBBER INFO

Soft

- Shore hardness: 53 ± 2
- Ideal for colder temperatures
- Adjusts better to uneven surfaces

Hard

- Shore hardness: 60 ± 2
- Ideal for warmer temperatures
- Ideal for large, smooth surfaces



S-plus



Standard



S-plus



S-CHANNEL PLUS

★★★

Stainless steel channel with variable positioning options.

Complete with soft rubber.

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

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



S CHANNEL

★★★

Stainless steel channel with variable positioning options.

Complete with soft and hard rubber.

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

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



GC BRASS SQUEEGEE



Classic style brass handle.
Brass channels, complete with soft rubber.

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

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



HIGHWAY RUBBER



Cut to fit 15 m rubber roll. Household quality.

- Convenient and practical
- Good value deal
- Cardboard box with easy rubber access

Part No.	Size	Pack
HIXXL	15 m	1



Plastic Clips

For improved hold of rubber in the channel. Available in solid plastic or brass.

- Effectively tensions and secures squeegee rubber
- Detachable one at a time
- Practical sturdy storage box

Part No.	Info	Pack
PCLIP	Plastic Clips 40/Box	10
MCLIP	Brass Clips 100/Box	1



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



Ergo HANDLE EXTENSION

Additional 14 cm reach for cleaning glass.

- Offers additional reach for safer cleaning without ladders
- Fits to all cone tools

Part No.	Size	Pack
HH000	14 cm	10



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



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 WASHERS

WASHERS



PRODUCT OVERVIEW

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

T-BARS

	BUDGET	HANDLE		SWIVEL FUNCTION		T-BAR				
		Material	Fits to Locking Cone	Swivel Head	Tension adjustment	Material	Weight	Available Sizes	Function	
ErgoTec® NINJA	★★★	Plastic with rubber insert		✓	Screw	Aluminium	Very light	25 – 75 cm	Swivel head	p. 44
ErgoTec®	★★★	Plastic with rubber insert		-	-	Plastic	Light	25 – 45 cm	Water wells	p. 44
Alu	★★	Plastic		-	-	Aluminium	Very light	15 – 55 cm	Low weight	p. 44
Swivel	★★	Plastic		✓	Knob	Aluminium	Very light	35 – 45 cm	Swivel head	p. 44
UniTec	★	Plastic		-	-	Plastic	Light	25 – 45 cm	Water wells	p. 44

SLEEVES

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

* Support material
** Fibres

ERGOtec® NINJA



The center position can be locked by pressing the lock button



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



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



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

ErgoTec® NINJA WINDOW 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



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



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 % polyamide; Fibres: 70 % polyacrylic, 20 % polyethylene, 10 % polyamide
 ** Support material: 100 % polyethylene; Fibres: 80 % polyacrylic, 20 % polyethylene

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

TRADITIONAL WINDOW CLEANING WASHER T-BARS

ERGOtec® NINJA



ErgoTec® NINJA T-BAR



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

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



StripWasher® 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



StripWasher® 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



StripWasher® 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



StripWasher® 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

WASHER SLEEVES



ErgoTec® NINJA WASHER SLEEVE ***

- Blended fabric sleeve with 2 abrasive side pads and hooks & loops fastener.**
- Ultimate cleaning performance
 - With rows of scrubbing fibres for effective removal of stubborn dirt
 - High water retention
 - Machine washable up to 500 times

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

StripWasher® MICRO SLEEVE ***

- Microfibre sleeve with scrub pad and hooks & loops fastener.**
- Superior cleaning power
 - High water retention – up to 6 times its own weight
 - Machine washable up to 500 times

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

StripWasher® MONSOON SLEEVE ***

- Blended fabric sleeve with extra long fibres, scrub pad and hooks & loops fastener.**
- Excellent cleaning power
 - High water retention
 - Machine washable up to 500 times

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



StripWasher® ORIGINAL SLEEVE **

- Blended fabric standard sleeve with hooks & loops fastener.**
- Good cleaning power
 - Machine washable up to 500 times

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



StripWasher® 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



StripWasher® UniTec SLEEVE *

- Synthetic fibre washer sleeve with snap fasteners.**
- Good cleaning power
 - Good value deal
 - Machine washable up to 500 times

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

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

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

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

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

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

TRADITIONAL WINDOW CLEANING GLASS SCRAPERS



UNGER SCRAPERS

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

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

i 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.

i UNGER CARBON STEEL BLADES



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

Practical Holster for the Belt



ERGOTEC® NINJA



Available in 2 sizes:
10 cm 15 cm



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



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



Scraper includes removable protective blade cover



Practical Holster & Scraper Combo

ErgoTec® NINJA SCRAPER



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

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

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



ErgoTec® NINJA 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

ErgoTec® NINJA COMBO (SCRAPER + HOLSTER)



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

TRADITIONAL WINDOW CLEANING GLASS SCRAPERS

4 CM, SINGLE SHARP EDGE BLADE



ErgoTec® SAFETY SCRAPER

Ergonomic scraper with safety mechanism.

Spare blades: SRB10, SRB20, SRBDB.

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

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

SAFETY SCRAPER

**

Convenient scraper with safety mechanism.

Spare blades: SRB10, SRB20, SRBDB.

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

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



MINI SCRAPER

*

Handy plastic scraper with special locking mechanism.

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

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



CARBON STEEL BLADES FOR GLASS SCRAPERS 4 cm

For SR03K, SR04K, SR20K, SR50K, STMIN.

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

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



10/15 CM, REVERSIBLE SHARP BLADE



ErgoTec® GLASS SCRAPER

Large surface blade with ergonomic bi-component handle.

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

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

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



PROTRIM 10

The convenient lightweight scraper for every day.

Spare blades: TR100, KL100.

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

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



TRIM 10+1

**

Glass scraper in stainless steel holder. 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

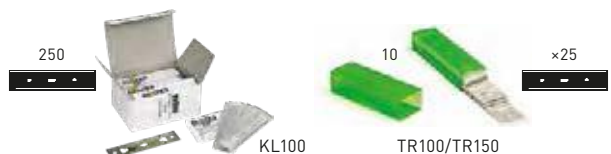


CARBON STEEL BLADES FOR GLASS SCRAPERS 10/15 cm

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.



TRADITIONAL WINDOW CLEANING TELESCOPIC POLE SYSTEM



TELESCOPIC POLE SYSTEM

The **UNGER Telescopic Pole System** puts everything within arm's reach.

Telescopic poles in various lengths and with ergonomic handles allow for secure operation from the ground – without ladder – and in addition save time and money.

OptiLoc

- 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)
- **ErgoTec®** Locking Cone included

TelePlus System

- Extendable modular telescopic pole
- 2 or 3 section 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 System

OptiLoc



2 sections

3 sections/
Plus 3

4 sections/
Plus 4

5 sections/
Plus 5

UniTec



2 sections

TRADITIONAL WINDOW CLEANING TELESCOPIC POLE SYSTEM

For distributors:
Pack Unit 10. Select 10 poles
from this page.

OPTI LOC



OptiLoc POLE, 2 SECTIONS

Telescopic pole with ErgoTec® Locking Cone.

Part No.	Size
EZ120	1,25 m
EZ250	2,50 m
EZ300	3,00 m
EZ400	4,00 m
EZ500	5,00 m
EZ600	6,00 m

OptiLoc POLE, 3 SECTIONS

Telescopic pole with ErgoTec® Locking Cone.

Part No.	Size
ED180	1,85 m
ED370	3,75 m
ED450	4,50 m
ED600	6,00 m
ED750	7,50 m
ED900	9,00 m

TELE PLUS



TelePlus POLE, 1,25 m SECTIONS

Modular Telescopic pole with ErgoTec® Locking Cone.

Part No.	Size	Sections
TZ250	2,50 m	2
TD370	3,70 m	3
TV500	5,00 m	4
TF620	6,20 m	5



TelePlus POLE, 2,00 m SECTIONS

Modular Telescopic pole with ErgoTec® Locking Cone.

Part No.	Size	Sections
TZ400	4,00 m	2
TD600	6,00 m	3
TV800	8,00 m	4
TF100	10,00 m	5



TelePlus3 EXTENSION

Extension Ø 29mm for 2 section poles. Ø 29 mm

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



TelePlus4 EXTENSION

Extension Ø 33mm for 3 section poles. Ø 33 mm

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



TelePlus5 EXTENSION

Extension Ø 37mm 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.

Part No.	Size
OS210	2,00 m
OS250	3,00 m
OS260	4,00 m



ONE STAGE POLE, 1 SECTION

With ErgoTec® Locking cone. Ø 21 mm

Part No.	Size
HH240	60 cm

ADAPTERS & MAINTENANCE



ANGLE JOINTS

Freely adjustable angle allows access to hard-to-reach places.

- Available in sturdy zinc version or lightweight plastic version
- Fits to telescopic pole

Part No.	Version	Pack
CJA00	Zinc	5
CJN00	Plastic	5



THREAD ADAPTER 1/2"

With 1/2" thread. Fits conventional brooms.

- Adapter is inserted into pole and locks in place via stand spring

Part No.	Pack
BE000	5



ErgoTec® LOCKING CONE

Securely locks tools on the telescopic pole.

- Compatible with all UNGER systems
- Quick and easy tool change via release button

Part No.	Pack
NCA00	5



CONE

For attaching or screwing on tools.

- Cone is inserted into pole and locks in place via stand spring

Part No.	Pack
NCA00	5



THREAD ADAPTER FOR ALU-POLES

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

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

Part No.	Pack
AFAET	5



TOOL HOLDER

Ideal for paint rollers, scrapers and other tools with up to Ø 3cm handle.

- Enables safe operation from the ground with secure tool handle lock
- Adjustable angle that locks securely via bolt with nut
- Fits to telescopic pole

Part No.	Pack
PBR00	5



BULB CHANGER

For changing round light bulbs in high access areas without ladders. Rubber coated spring steel fingers.

- Enables safer and faster bulb change from the ground
- Fits to telescopic pole

Part No.	Pack
BS010	5



FLOOD SUCKER

For changing flat light bulbs in high access areas without ladders. With suction cups.

- Enables safer and faster bulb change from the ground
- Fits to telescopic pole

Part No.	Pack
FS000	5



FIXI-SYSTEM

Innovative cleaning system, ideal for cleaning large and high surfaces such as boats and vehicles.

- Firmly retains a sponge or cloth by tightening the locking collar
- Fits on telescopic pole
- Stiff bristle brush effectively removes stubborn dirt

Part No.	Version	Pack
FIX10	Clamp	5
HBR00	Brush	5
SP010	Sponge	10

TRADITIONAL WINDOW CLEANING GLASS CLOTHS

WINDOW MICROFIBRE CLOTH SYSTEM



CLEANING WITH MICROFIBRE

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

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

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



ErgoTec® NINJA MICROWIPE



Best in Class premium lint free microfibre cloth.

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

Part No.	Size	Material	Pack
MN40H	40 x 40 cm	Microfibre*	5
MN55H	55 x 55 cm	Microfibre*	5
MN60H	80 x 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 x 40 cm	Microfibre*	10
MF60E	60 x 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 x 40 cm	Microfibre*	10
MF60L	60 x 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 x 92 cm	100 % Linen	10

* 70 % polyester, 30 % polyamide

GLOVES

GLOVES



NEOPRENE GLOVES

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

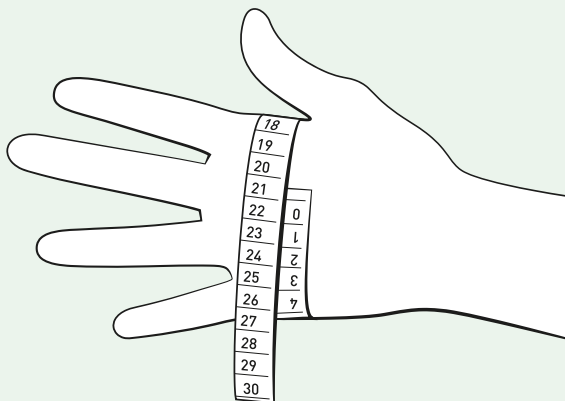
POLE GLOVES

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



IDENTIFY YOUR GLOVE SIZE:

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



ErgoTec® NEOPRENE GLOVES



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

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

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



NEOPRENE GLOVES

Gloves for window cleaning. Rubber Neoprene.

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

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

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
GLOC3	XL (10)	23 – 24 cm	Blended fabric*	5
GLOC4	XXL (11)	24 – 26 cm	Blended fabric*	5

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

TRADITIONAL WINDOW CLEANING BELTS, POUCHES



ErgoTec® BELT

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

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



ErgoTec® POUCH

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

Part No.	Size	Material	Pack
BSPOU	30 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



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
- **NEW:** BB010 now with Protector insert for optimum squeegee compatibility

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



HENRY'S DOUBLEHOLSTER

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

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

Part No.	Pack
HT000	5



THE BELT

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

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

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



TRADITIONAL WINDOW CLEANING BUCKETS, SOAP



BUCKET 28 L

Large bucket for glass cleaning.

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

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



UNGER's GEL

Window cleaning soap for direct application onto washer.

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

Part No.	Content	Pack
FG050	0,5 l	10



RUB OUT

Professional glass cleaner. Compact bottle with easy dispense cap.

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

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

Part No.	Content	Pack
RUB20	0,5 l	12

BUCKET 18 L

Bucket for glass cleaning.

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

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



QB080



QB060

ACCESSORIES FOR BUCKET 28 L

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



UNGER's LIQUID

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

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

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



GHS/CLP MARKING

UNGER products are manufactured and marked in accordance with the CLP regulation (EG) no. 1272/2008 where applicable. For safety datasheets please refer to downloads at www.ungerglobal.com/downloads.

WINDOW CLEANING KITS



Illustration similar



Illustration similar

ErgoTec® SET

★★★

Top of the range complete glass cleaning set in a solid nylon bag.

- Contains comprehensive selection of ErgoTec® and other UNGER tools
- Compact for transportation

Content

- MF40L (3x) MicroWipe Microfibre Cloth, 40 x 40 cm
- ETG00 **NEW:** 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
- 2x UNGER Liquid Samples

Part No.	Pack
ETSET	1

TRANSET

★★

Cleaning set in a convenient nylon bag.

- Contains selection of UNGER window cleaning tools
- Ideal for new starter in window cleaning
- Compact for transportation

Content

- PR000 Pro-Squeegee Handle
- NE250 S-Channel with Soft Rubber, 25 cm
- NE350 S-Channel with Soft Rubber, 35 cm
- NE450 S-Channel with Soft Rubber, 45 cm
- RR920 Soft Rubber, 92 cm
- WC350 StripWasher® Original Strip Pac, 35 cm
- EZ250 OptiLoc Telescopic Pole, 2 sections, 2,50 m
- FIX10 FIXI Clamp
- HBR00 FIXI Brush
- SP010 FIXI Sponge
- SR20K Safety Scraper
- TX100 ProTRIM10 Scraper

Part No.	Pack
TRS00	1



PRO GLASS CLEANING KIT

★★

Starter kit with all essential UNGER window cleaning tools.

- Ideal for new starter in window cleaning

Content

- EZ250 OptiLoc Telescopic Pole, 2 sections, 2,50 m
- WC450 StripWasher® OriginalStripPac, 45 cm
- WS450 StripWasher® Original Sleeve, 45 cm
- PR000 Pro Squeegee Handle
- NE350 S-Channel with Soft Rubber, 35 cm
- NE450 S-Channel with Soft Rubber, 45 cm
- RR92H Replacement Hard Rubber, 92 cm
- TX100 ProTRIM10 Scraper
- SP010 Sponge for FIXI Clamp

Part No.	Pack
PWK00	1



WINDOW CLEANING KIT

★★★

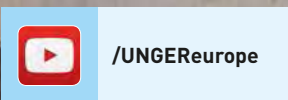
The practical Starter Set.

Content

- ES350 **NEW:** ErgoTec® Squeegee 35 cm
- EH350 ErgoTec® T-Bar 35 cm
- NS350 StripWasher® MicroStrip Sleeve 35 cm
- QB120 Bucket 18 l

Part No.	Pack
AK013	1

INDOOR WINDOW CLEANING



STINGRAY

The most efficient indoor cleaning tool ever!

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

The new **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!

Multitude of applications: indoor glass & windows, glass partitions, showcases, mirrors, glass refrigerator doors, elevators, washable doors & tables, etc.

Your investment will pay off within a few months!

UNGER Stingray, the solution to your indoor window cleaning needs.

*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 STINGRAY SYSTEM



Quality Tools for Smart Cleaning

► FASTER

25% faster than traditional methods**

- New **one step** "Apply and Clean" Technology
- New 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**)

► 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

► TOTAL FLEXIBILITY

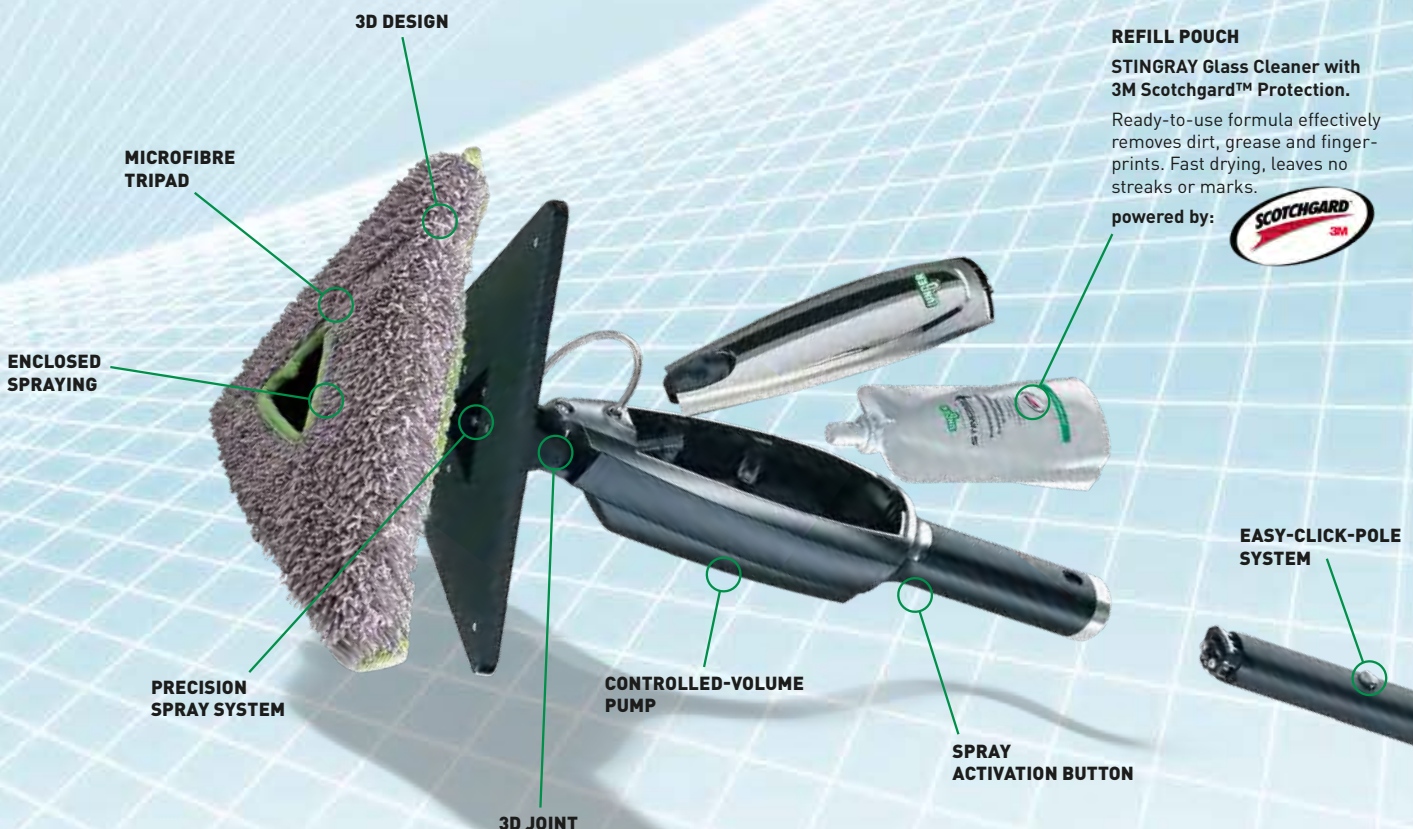
Mastering every challenge with a single tool

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

► INCREDIBLE EASE-OF-USE

Professional results with minimal training

- Ready-to-use, easily replaceable pouches, pre-filled with top quality 3M Scotchgard™ professional glass cleaner
- Spray activation button on each **Easy-Click-Pole** as well as on the handheld unit – press & play!



INDOOR WINDOW CLEANING STINGRAY SYSTEM



Stingray INDOOR CLEANING KIT 100 PLUS

Stingray with one short Easy-Click-Pole

Contents: Stingray Handheld Unit, 1 x Stingray Cleaning Liquid Pouch, 1 x Microfibre Deep Cleaning TriPad 1 x Microfibre Cleaning TriPad, 2 x AA batteries* + Easy-Click-Pole: 1 x 0,63 m

Part No.	Size	Weight	Pack
SRKT2B	up to 1,00 m length (extended)	1200 g (Complete System)	1



Stingray INDOOR CLEANING KIT 330 PLUS

Stingray with two long and one short Easy-Click-Poles

Contents: Stingray Handheld Unit, 1 x Stingray Cleaning Liquid Pouch, 1 x Microfibre Deep Cleaning TriPad 1 x Microfibre Cleaning TriPad, 2 x AA batteries* + Easy-Click-Poles: 2x 1,24m, 1 x 0,63 m

Part No.	Size	Weight	Pack
SRKT3B	up to 3,27 m length (extended)	750 g	1



Stingray INDOOR CLEANING KIT 450 PREMIUM

Stingray with one short + three long Easy-Click-Poles

Contents: Stingray Handheld Unit, 1 x Stingray Cleaning Liquid Pouch, 2 x Microfibre Deep Cleaning TriPad, 1 x Bag, 2 x AA batteries* + Easy-Click-Poles: 1 x 0,63 m + 3 x 1,24 m

Part No.	Size	Weight	Pack
SRKTH	up to 4,37 m length (extended)	4,400 g (Complete System)	1

*Powered by 2 x AA batteries lasting out approx. 6 months based on 11.000 cycles of one-second pushes

NEW

Stingray EASY-CLICK-POLE LONG

Extends the Stingray unit by 1,24 m

- **NEW:** 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	Weight	Pack
SREXL	1,24 m	440 g	1

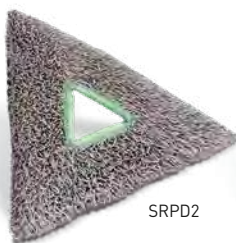
NEW

Stingray EASY-CLICK-POLE SHORT

Extends the Stingray unit by 0,63 m

- **NEW:** 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	Weight	Pack
SREXS	0,63 m	270 g	1



SRPD2



SRPD1

While stocks last

Stingray GLASS CLEANING TRIPAD

Microfibre Cleaning Pads

- Triangular shape for perfect reach into corners
- Superb cleaning power thanks to premium microfibre
- Elastic bands for secure fit and easy assembly
- 5 pads in a box (= minimum order quantity)
- Size: 25 x 25 x 25 x 0,25 cm

Part No.	Version	Material	Pack
SRPD2	Deep Cleaning TriPad	Microfibre***	5
SRPD1	Cleaning TriPad	Microfibre**	5

** 70 % polyester, 30 % polyamide

*** 90 % polyester, 10 % polyamide



Stingray GLASS CLEANER

Professional Glass Cleaner powered by 3M Scotchgard™

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

Part No.	Content	Weight	Pack
SRL01	150 ml	270 g	24



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	Weight	Pack
SRBAG	130 x 33 x 5 cm	2.200 g	1

INDOOR WINDOW CLEANING CLEANING SYSTEM



EFFECTIVE WINDOW CLEANING

THE UNGER INDOOR WINDOW CLEANING SYSTEM

Easy to use, professional system, ideal for every day cleaning, as well as polishing of glass and mirrors. Perfect for any user without window cleaning experience. Can be used with **UNGER** aluminium poles for safe and quick cleaning of high level windows, skylights and glass balustrades.

- Combine with **UNGER** telescopic to reach heights of up to 10 m safely from the floor
- Minimum water required - no spills, no slips, no water wastage!
- Time saving one step cleaning
- No need for chemicals - save money and safer for operator and the environment!

STARTER SET



INDOOR CLEANING STARTER SET

Content:
 PHL20 (5 x) Microfibre Cleaning Pad 20 cm
 PHH20 Pad Holder 20 cm
 AFAET Thread adapter for Alu-Poles

Part No.	Pack
PFK20	1



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	Microfibre*	5

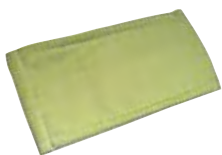


MICROFIBRE WASH PAD

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	Microfibre**	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	Microfibre*	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



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

* 70 % polyester, 30 % polyamide

** 100 % polyethylene

LITTER PICKING & REACHING AIDS



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.



NiftyNabber® BAGGER

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

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

- Practical**
- Collapses flat and fastens with hooks & loops for compact storage and transportation.
 - Can be used indoors or outdoors as a temporary waste disposal or recycling unit during the event.

- 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.

Part No.	Size	Ø	Height	Colour	Pack
NB300	180 l	55 cm	68 cm	●	1



PAPER PICKER

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

Ergonomic Design

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

Carbon Steel Shaft

- Lightweight and 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 Pin Plugs for Picker	10



NiftyNabber® TRIGGER GRIP

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

Robust metal bar inside

- For extra durability and grab power.
- Will not stretch or snap, like string mechanism on other grabbers.

Trigger Grip Handle

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

Rubber Claws

- Reliable grip even with most difficult shapes.
- Opens up to 10 cm wide and holds items up to 4,5 kg.

Rotating Head

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

Aluminum Shaft

- Durable and rust-resistant.
- Lightweight, designed to decrease fatigue.

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 with a strong internal metal bar, powerful claws and robust steel shaft. Available in 4 lengths, including 2,50 m long reach version!

Steel Claws

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

Rugged Design

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

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

MAINTENANCE CLEANING

erGO!

Feel the intuitive motion



Professional Tools for daily and project cleaning tasks

Efficient, Ergonomic, Hygienic

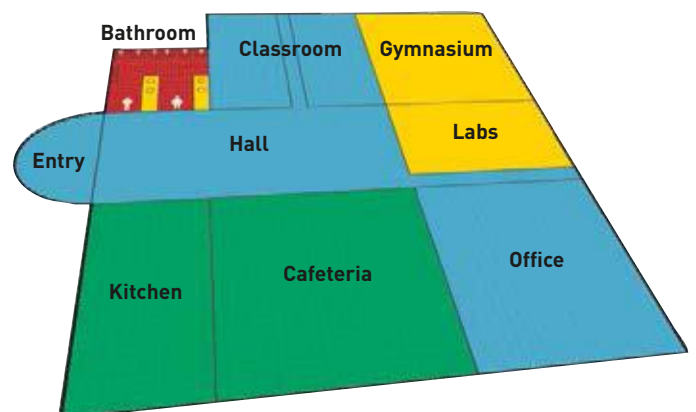
UNGER Maintenance Cleaning tools provide simple solutions for many cleaning tasks. They help professionals to perform their job better, faster and easier.

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



The World of Maintenance



erGO!



p. 70

Thanks to the new **erGO! clean** and **erGO! wax** system, the cleaning and maintenance of floors is more user-friendly and efficient than ever before. Intuitive S-Shape motions with minimal effort required.

erGO! clean, erGO! wax



FLOOR CLEANING



p. 74

UNGER offers the right product solution for every requirement of professional floor cleaning and care. The quality assortment includes various floor mop systems made of high-quality materials as well as a selection of double-buckets and an innovative cleaning cart.

SmartColor, erGO! clean



FLOOR SQUEEGEES, FLOOR HANDLES, FLOOR SCRAPERS



p. 78

UNGER also offers a comprehensive portfolio of tools and accessories that leave nothing to be desired in professional floor cleaning and floor care. Whether floor squeegees or scrapers with suitable handles or various maintenance tools - **UNGER** always means support all around.

WaterWand, AquaDozer®, SmartColor



MICROFIBRE CLOTH SYSTEM



p. 82

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. Our easy to follow Grading System helps you choose the right microfiber for specific tasks, optimising the ROI.

SmartColor, MicroWipe



BATHROOM CLEANING



p. 84

The **UNGER** Bathroom and Toilet Cleaning System is colour coded in red to prevent bacterial cross contamination.

ErgoTec®, NiftyNabber®



DUSTING & BRUSHES



p. 86

Innovative dusting tools for effective cleaning with minimum effort. Compatible with **UNGER** telescopic poles for safe cleaning at heights of up to 10 m.

StarDuster®

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 spilt 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 new **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



INTEGRATED DOSING LEVER



INTUITIVE S-SHAPE MOTIONS WITH MINIMAL EFFORT REQUIRED

ROTATABLE GRIPS

TELESCOPIC HANDLE
1,30 - 1,70 M

REPLACEABLE TANK WITH COLOR CODING AND FILLING LEVEL DISPLAY



LATEST MICROFIBER TECHNOLOGY: MAXIMUM GLIDING ABILITY AND GREAT DIRT ABSORPTION

BLOCKAGE-FREE PULSE JET SYSTEM FOR PRECISE DOSING



Tested by:



FLOOR CLEANING & FLOOR FINISHING

erGO! clean & erGO!wax



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.



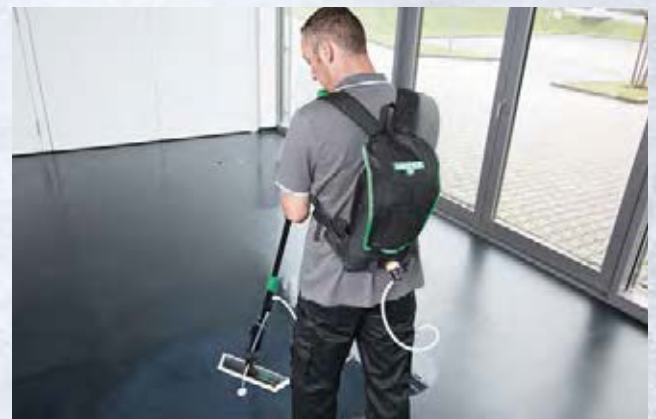
erGO! wax

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

Product/PART. NO	Floor-Cleaning-Kit Cleaning Pad FAKT1	Floor-Cleaning-Kit Cleaning Pad PRO FAKT2	Floor-Cleaning-Kit Pocket Mop FAKT3	Floor-Cleaning-Kit Pocket Mop PRO FAKT7
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	✓			
Tank 1.000 ml & Colour Coding Rings FABTL / FAORS		✓	✓	✓

NEW erGO! clean



erGO! clean KITS

Product/PART. NO	Flat Mop Starter Kit FAKT8	Cleaning Pad Complete Kit FAKT10	Pocket Mop Complete Kit FAKT9
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 Pocket Mop FAKT4	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		✓ /3x	
WonderWaxer Holder & Sleeve 40 cm QS020 / QS010			✓ /3x
Tank 1.000 ml FABTL	3x		✓
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! 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

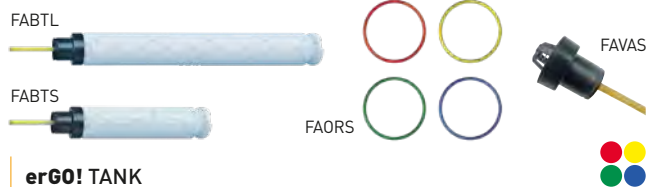


erGO! BACKPACK 5 L

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



erGO! TANK

Easy connection tanks for erGO! handles

- 2 versions 500 ml or 1000 ml capacity
- Including unscrewable pulse jet unit
- Easy to fill, easy to assemble and to the handle

Part No.	Size	Product	Pack
FABTL	1.000 ml	Big Tank	1
FABTS	500 ml	Small Tank	1
FAORS		Colour Coding Rings	1
FAVAS		Pulse Jet Unit	1



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
- Up to 300 wash cycles
- 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



erGO! WAX SLEEVE/FINISHING PAD

WonderWaxer sleeve and Finishing Pad 40 cm

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

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

















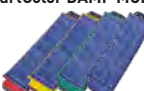









* 100 % polyester microfibre
 ** 65 % polypropylene, 35 % polyester

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. 75	Ceramic Tiles	Natural Stone (Granite, Marble, Slate)	Flexible Coverings (Linoleum, PVC/Vinyl, Rubber)	Laminate	Parquet / Wood	Specific Cases			Mop Holders  p. 73-75	Double Buckets  p. 77
						Cork	Concrete/ Cement	Epoxy Covering		
erGO! clean mops Pocket Flatmop 	✓	✓	On Roll	✓	Sealed*		✓	✓	erGO! Pocket Mop Holder 	SmartColor COMBO 15 l/30 l 
SmartColor SPILL MOP 1 l 	✓						Sealed*	✓*	SmartColor MOP HOLDER 	
SmartColor MICRO MOP 15.0 	✓		On Roll				Sealed*	✓*		
SmartColor MICRO MOP 7.0 			On Roll		Sealed		Sealed	✓*		
SmartColor DAMP MOP 		✓	Tiles	✓	Sealed	✓	Sealed	✓		
String Mop 310 g 		✓	Tiles	✓*	Sealed*		Sealed*	✓*	SmartColor Microfibre String Mop Holder 	
String Mop 450 g 	✓		On Roll				Sealed*			
erGO! clean Mop Pad 	✓	✓	On Roll	✓	Sealed*		✓	✓	erGO! Mop Pad Holder 	
SmartColor Damp Mop Pad 		✓	Tiles	✓	Sealed	✓	Sealed	✓	SmartColor Damp Mop Pad Holder 	

 Floor Handles p. 80

This information provided in this chart is for guidance only. No responsibility accepted for accuracy.
*To clean wooden floors or sealed surfaces, use damp or dry mop.

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

SmartColor FLAT MOP HOLDER

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

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

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





SmartColor MICRO MOP 15.0

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

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

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



SmartColor MICRO MOP 7.0

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

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

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



SmartColor DAMP MOP

Microfibre mop for damp cleaning of smooth floors.

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

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



SmartColor SPILL MOP 1 L

Microfibre mop for absorption of large amounts of liquid.

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

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

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

NEW



erGO! CLEANING MOPS

Cleaning Pad, Pocket- and Flat Mop 40 cm

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

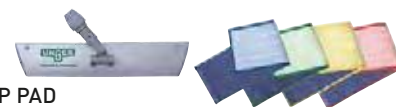
Part No.	Size	Product	Pack
FAPMH	40 cm	Pocket Mop Holder	5
FAPMM	40 cm	Pocket Mop****	5
FAPML	40 cm	Flat Mop****	5



erGO! CLEANING PAD

- High quality microfibre pile mop for easy glide and superb cleaning action
- Cleaning Pad: for any looped pile flat mop, quick & easy operation, colour coding stripes
- Mopholder: Click connection for erGO! handles

Part No.	Size	Version	Pack
FAVMH	40 cm	Cleaning Pad Holder	5
FAVMC	40 cm	Cleaning Pad****	5



SmartColor DAMP MOP PAD

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

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

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



SmartColor MICROFIBRE STRING MOP

- Microfibre strings increase liquid and dirt absorption
- Use with UNGER String Mop Holder Clip or any standard Mop Holder and handle
- Heavy duty weights 450 g, 32 strands; medium duty weights 310 g, 22 strands

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

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
COMBR	30 l	●	1



SmartColor COMBO 15 L



Compact complete dual bucket with press.

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

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



SmartColor FLOOR CLEANING SET



The convenient floor care sets.

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

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



While stocks last

SmartColor SIDE BUCKET



Additional storage on dual bucket.

- Labels included for colour coding
- Snaps to side of UNGER SmartColor Combo 30 l COMBG or COMBR

Part No.	Colour	Pack
SMSBG	●	1



EASY ADAPTER WATERHOSE

Heavy duty adapter hose for dual bucket.

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

Part No.	Size	Pack
WH180	180 cm	10



SmartColor 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

CLEANING CART

A HIGHER LEVEL OF CLEANING AND PRODUCTIVITY

Meet the **SmartColor Cleaning Cart**, the first cleaning cart developed by professional cleaning operatives to help them work faster, safer and better than ever before.

Perfect for using together with **UNGER SmartColor Mopping System**, Dual Bucket and other Accessories.



Storage Module doubles the supply space on the cart, so you can re-stock multiple bathrooms without lost time returning to the supply area.



Nothing sticks out beyond base of cart. You can move the cart through doorways, on/off elevators, without any tools catching on doorways, etc.



The base of the cart is designed to catch drips from cleaning tools. This allows you to work quickly without the worry of staining clean floors.



Wheel wells improve bucket stability and hold bucket in place. Helps eliminate messy spills when the cart hits thresholds, bumps into a frame.

SmartColor CLEANING CART

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

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



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

Delivery time on request








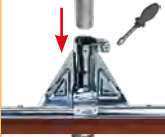


Example equipment for the cleaning of washrooms

FLOOR CLEANING FLOOR SQUEEGEES

FLOOR SQUEEGEES

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

identify the right squeegee for specific premises or job requirements.

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

* Aliphatics, Aromatics, Ketones, Varnishes

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

Floor Handles p. 80



DOUBLE BLADE

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



BLACK RUBBER

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



RED RUBBER

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





SANITARY SQUEEGEE

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

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

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



SANITARY COMBI BRUSH

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

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

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

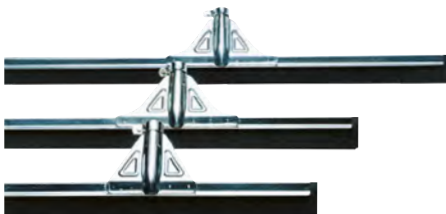


WaterWand STANDARD

For lighter jobs with double blade black foam rubber.

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

Part No.	Size	Pack
MW450	45 cm	10



WaterWand HEAVY DUTY

Reinforced version for heavier jobs with double blade black rubber.

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

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



WaterWand HEAVY DUTY RED

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

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

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



WaterWand ACME THREAD INSERT

For all WaterWand squeegees.

Part No.	Pack
FWA10	10



AquaDozer®

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

- Sturdy construction
- Solid handle socket

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






AquaDozer® ACME THREAD INSERT

For all AquaDozer®.

Part No.	Pack
FAA10	10

FLOOR CLEANING

FLOOR HANDLES

Holder/Squeegee	FAPLW	MS18G	MH140	MS14G	MH14G	EZ25G	EP24R	HH13R	AL14A	AL14T	AL140	AL14G
Diameter	Ø 21 mm	Ø 21 mm	Ø 23 mm	Ø 23 mm	Ø 23 mm	Ø 21 mm	Ø 21 mm	Ø 21 mm	Ø 25 mm	Ø 25 mm	Ø 25 mm	Ø 25 mm
Inserts & Threads	Hole	Hole for C-Clip	Hole for C-Clip	Hole for C-Clip	Hole for C-Clip	ACME Thread	ACME Thread	ACME Thread	ACME Thread	ACME Thread	Conical	Conical
												
 erGO! Pocket Mop Holder	FAPMH	✓	✓			✓	✓	✓				
 SmartColor Mop Holder	SM40G SM40R	✓	✓	✓	✓	✓	✓	✓				
 erGO! Mop Pad Holder	FAVMH	✓	✓			✓	✓	✓				
 SmartColor Damp Mop Pad Holder	SV40G	✓	✓	✓	✓	✓	✓	✓				
 SmartColor Microfibre String Mop Holder	FC03G			✓	✓	✓						
 Sanitary Squeegee Sanitary Combi Brush	PM45A PM55A PB45A PB55A					✓	✓	✓	✓	✓		
 SmartColor SWIVEL Brushes	SB20G CB20G					✓	✓	✓	✓	✓		
 WaterWand	MW450 HMxxx HWxxx			✓		✓			+ FWA10	+ FWA10	+ FWA10	✓ ✓
 AquaDozer®	FP600 FP900									+ FAA10	✓	



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	Colour	Pack
FAPLW	1,30 – 1,70 m	●	1
EZ25G	1,30 – 2,50 m	●	10
EP24R	1,30 – 2,50 m	●	10
MS18G	1,30 – 1,80 m	●	10



SmartColor MOPHANDLE

Lightweight aluminium mop handles.

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

Part No.	Size	Ø	Colour	Pack
MH140	1,40 m	23 mm	●	20
MH14G	1,40 m	23 mm	●	10
HH13R	1,30 m	21 mm	●	10
MS14G	1,40 m	23 mm	●	10

ProAlu 1,5° HANDLE, 3 SECTIONS KNOCKDOWN

Heavy duty handle with rigid, fluted aluminium construction.

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

Part No.	Size	Pack
AL14G	1,40 m	5

ProAlu 1,5° HANDLE

Handle with 1.5° taper socket.

- Lightweight and solid aluminium
- Handle Ø 25 mm

Part No.	Size	Pack
AL140	1,40 m	10

ProAlu ACME

Handle with ACME threaded zinc alloy tip.

- Lightweight and solid aluminium
- Handle Ø 25 mm

Part No.	Size	Pack
AL14A	1,40 m	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	Pack
AL14T	1,40 m	10

FLOOR SCRAPERS & MAINTENANCE TOOLS



Quality Tools for Smart Cleaning



FLOOR SCRAPER LIGHT DUTY

For light jobs, with 1.20 m ergonomic bi-component handle.
 - Convenient operation while standing
 - Reversible sharp/blunt edge blade

Part No.	Handle	Blade	Pack
LH120	1,20 m	10 cm	10

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

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

For medium duty jobs, with 1.50 m aluminium handle.
 - For industrial scraping
 - Reversible sharp/blunt edge blade

Part No.	Handle	Blade	Pack
MDSC0	1,50 m	15 cm	10

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

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

For heavy duty jobs, with 1.50 m steel handle.
 - Convenient operation while standing
 - Reversible sharp/blunt edge blade

Part No.	Handle	Blade	Pack
HDSS0	1,50 m	20 cm	1

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

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

HANG UP



All-purpose tool holder. Tools are inserted from front.
 Available in 2 versions (3 or 6 holders).

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

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

HOLD UP



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

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

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



ERGO DUST PAN

For quick and thorough waste removal.

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

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



WonderWaxer

Complete wax applicator with 1.40 m handle.

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

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

WonderWaxer REPLACEMENT SLEEVE

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

i WONDER WAXER

The superlight WonderWaxer is ideal for applying wax to almost all types of floor. The head swivels to reach difficult areas. The low-lint fabric sleeve is replaceable and fits firmly on the T-bar with snap fasteners. The WonderWaxer is perfect for use on gym and commercial floors. Perfectly fits to 28 l bucket QB220 on page 58.

* 65 % polypropylene, 35 % polyester

MICROFIBRE CLOTH SYSTEM

MICROFIBRE CLOTHS



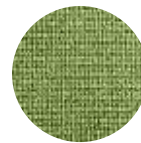
MICROFIBRE CLOTH SYSTEM

AVOID BACTERIAL CONTAMINATION!

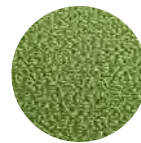
- Five-colour system for optical coding optimises cleaning by dividing tools and areas
- Matching coded tools assigned to specific cleaning areas prevent dangerous bacterial contamination
- Colour-coding facilitates the application of specific chemicals, thus protecting valuables like furniture and floor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

CLOTH SURFACE GUIDE

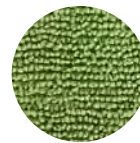
- Guidelines for choosing the right microfiber for the right task
- Optimization of your return on investment (ROI) by purchasing the best grade for your needs



MICROWIPE
4000



MICROWIPE
2000



MICROWIPE
500



MICROWIPE
200

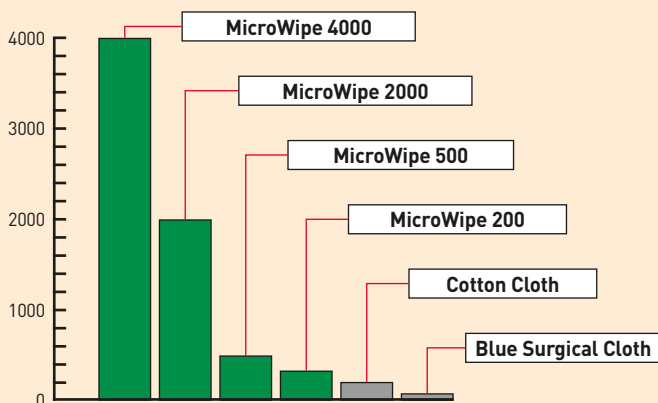


GRADING SYSTEM EXPLAINED

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 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	Wash Cycles	Material	Pack
4000									
MF40R	40 x 38 cm	●	450 g	4000**	38**	1700 ml*	1500	Microfibre***	10
MF40J	40 x 38 cm	●	450 g	4000**	38**	1700 ml*	1500	Microfibre***	10
MF400	40 x 38 cm	●	450 g	4000**	38**	1700 ml*	1500	Microfibre***	10
MF40B	40 x 38 cm	●	450 g	4000**	38**	1700 ml*	1500	Microfibre***	10
2000									
MB40R	40 x 40 cm	●	350 g	2000**	36**	1400 ml*	1000	Microfibre***	10
MB40J	40 x 40 cm	●	350 g	2000**	36**	1400 ml*	1000	Microfibre***	10
MB400	40 x 40 cm	●	350 g	2000**	36**	1400 ml*	1000	Microfibre***	10
MB40B	40 x 40 cm	●	350 g	2000**	36**	1400 ml*	1000	Microfibre***	10
500									
MC40R	40 x 40 cm	●	300 g	500**	34**	1100 ml*	500	Microfibre***	10
MC40J	40 x 40 cm	●	300 g	500**	34**	1100 ml*	500	Microfibre***	10
MC400	40 x 40 cm	●	300 g	500**	34**	1100 ml*	500	Microfibre***	10
MC40B	40 x 40 cm	●	300 g	500**	34**	1100 ml*	500	Microfibre***	10
200									
ME40R	40 x 40 cm	●	250 g	200**	39**	250 ml*	200	Microfibre***	10
ME40J	40 x 40 cm	●	250 g	200**	39**	250 ml*	200	Microfibre***	10
ME400	40 x 40 cm	●	250 g	200**	39**	250 ml*	200	Microfibre***	10
ME40B	40 x 40 cm	●	250 g	200**	39**	250 ml*	200	Microfibre***	10
ME40W	40 x 40 cm	○	250 g	200**	39**	250 ml*	200	Microfibre***	10

Colours may vary from batch to batch.

** ASTM Tests * Standard US Industry Tests, Details p. 78
*** 80 % polyester, 20 % polyamide

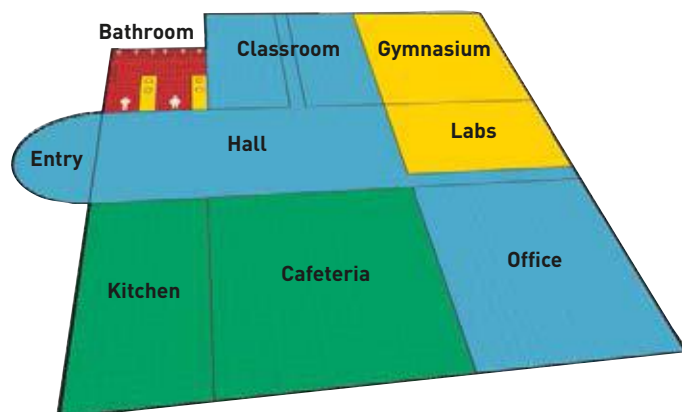


SPRAYER ON A BELT



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

Part No.	Content	Pack
SOABG	1 l	5



RECOMMENDED USAGE

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

WASHROOM CLEANING

TOILET & WASHROOM CLEANING





ERGO TOILET BRUSH COMPLETE

Complete kit for professional application.

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

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



ERGO TOILET BRUSH/SWAB

Ergonomic toilet brush for professional application.

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

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



WASHROOM SANITARY BRUSH

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

Part No.	Size	Pack
PB45R	45 cm	10



ERGO WALL SQUEEGEE, 35 cm

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

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



ErgoTec® SQUEEGEE, RED, 35 cm

Ergonomic squeegee for mirrors and smooth surfaces.

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

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



StripWasher® WASHROOM, 45 cm

Durable microfibre washer for cleaning mirrors and walls.

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

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



NiftyNabber® WASHROOM, 53 cm

The hygienic all-purpose grabber.

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

Part No.	Size	Pack
NN40R	53 cm	5

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

DUSTING BRUSHES & DUSTERS



**StarDuster®
COBWEB**



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

Part No.	Size	Pack
COBW0	20 cm	6



**StarDuster®
LAMBSWOOL**



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

Part No.	Pack
LWDU0	6



**StarDuster®
WALL BRUSH**



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

Part No.	Pack
WALB0	5



**StarDuster®
PIPE BRUSH**



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

Part No.	Pack
PIPE0	5



**StarDuster®
OSTRICH FEATHER**



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

Part No.	Pack
FEDU0	6



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

MICROFIBRE DUSTERS



**StarDuster®
PRO FLAT 75**



Bendable plastic duster with microfibre sleeve, ideal for narrow spaces.

- Made from strong and flexible plastic
- Microfibre sleeve is removable and machine washable
- Fits securely to pole with Locking Cone
- Includes 3 disposable sleeves

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



**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)



**StarDuster®
PRO FLEX 75**



Great for cleaning overhead, underneath furniture and around corners.

- Bends and retains shape to clean hard-to-reach areas
- Microfibre sleeve is removable and machine washable
- Fits securely to pole with Locking Cone
- Includes 3 disposable sleeves

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



StarDuster® PRO CEILING FAN



For dusting of ceiling fan blades and other flat surfaces.

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

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

Colours may vary from batch to batch.



**StarDuster®
PRO DUSTER**

Telescopic lambswool duster with bendable head.

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

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

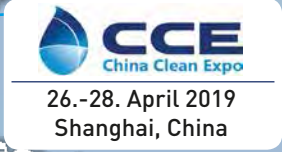


* 100 % polyester
 ** 100 % polypropylene
 *** 75 % polyester, 25 % polyamide



Quality Tools for Smart Cleaning

UNGER LIVE EXPERIENCE AT INTERNATIONAL TRADE FAIRS



Dealer Stamp:

Terms of delivery and payment: This product assortment replaces all previous lists.
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