

LEHMANN KG  
KRANICHSTRASSE 2A  
D-17235 NEUSTRELITZ

PHONE +49 (0) 3981 48850  
EMAIL [INFO@QLEEN.DE](mailto:INFO@QLEEN.DE)  
WEB [WWW.QLEEN.DE](http://WWW.QLEEN.DE)

QLEEN 2016

# QLEEN

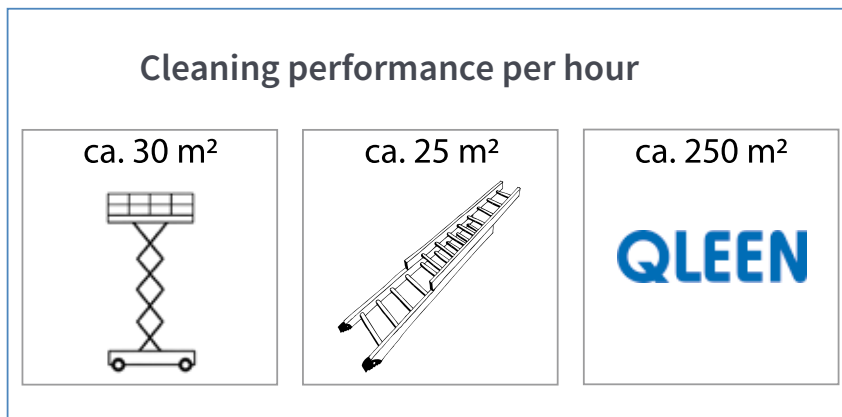
PURE WATER CLEANING SYSTEMS

## Proven cleaning system for professionals – versatile, cost effective and safe.

For the past decade QLEEN systems have been used successfully all over the world. QLEEN's easy-connect system modules offer perfect solutions for cleaning glass, building façades, solar systems, vehicles and any number of applications. QLEEN systems are developed on the basis of extensive practical experience, and are manufactured with great precision, offering unbeatable quality and reliability.

### Better than clean: QLEEN.

Working with QLEEN is far more efficient than using traditional cleaning processes, because large areas can be cleaned in a significantly more productive and cost-effective manner. Use QLEEN for effortless, safe and reliable cleaning up to a working height of 21 meters, without leaving the ground. No more hire charges and assembly time for scaffolding or work platforms, saving you both time and money. Even delicate surfaces or inaccessible nooks and crannies can be cleaned in a convenient, thorough and careful manner. Thanks to their advanced and ergonomic components, working with QLEEN systems is always smooth and relaxed.



### Cleaning with the power of pure water.

All QLEEN systems use our tried and trusted PURAQLEEN water treatment technology, which removes all impurities from normal tap water, transforming it into potent, lime-free, „pure“ water. Because of its ability to combine directly with dirt particles on the surface to be cleaned, „pure“ water cleans rapidly and thoroughly, and runs off immediately. Surfaces cleaned with QLEEN dry themselves, with no stains or smears. Cleaning with „pure“ water is ecologically safe, because it can even be done without the use of cleaning additives.



# QLEEN.

## **For the successful implementation of sustainable cleaning concepts.**

QLEEN systems help to conserve resources, and result in a significant reduction in water, energy and cleaning chemical consumption. As such they make a tangible contribution towards our clients' sustainable cleaning schemes.

The longevity and flexibility of QLEEN systems are also important in this context, because the longer a product can be used and the more versatile it is, the more cost effective and environmentally friendly it is. In this regard, QLEEN systems are demonstrably peerless in terms of sustainability. Their longevity is the result of durable, wear-resistant and repairable components. The versatility of the system is due to a modular system concept which allows for extremely flexible adaptability to suit a wide range operating conditions.

By contrast with models offered by our competitors, recycling and re-utilisation have guided the development of QLEEN for many years. Legacy systems are refurbished and put back on the market. Used consumables are recycled. One example of this the exchange service for mixed-bed resins. This service has been available in Germany since 2001, and has been used consistently by many QLEEN clients. It conserves resources and reduces environmental stress.



## Modular and compatible.

QLEEN system units consist of modular components: mobile water treatment units, flexible pole systems, and special brushes for various cleaning purposes and surfaces. All you need to do is to select the most appropriate components for your own specific task requirements.

## QLEEN.

### A secure investment, based on a system family.

The QLEEN system platform represents a safe and reliable investment. Made in Germany. QLEEN offers a broad product spectrum with a plethora of trailblazing solutions. One example is the ROTAQLEEN, the special rotating brush for efficient and cost-effective cleanliness. It enables rapid and thorough cleaning even of large surfaces. Another example is the QLEEN Lamella Cleaner, the powerful lightweight, which can clean lamellas (fins, blades, and slats) 50% quicker than traditional manual cleaning procedures. QLEEN represents an investment in an intelligent system platform. With ever new innovations, it will continue to contribute towards a safer and more productive glass and façade cleaning industry in future.



## A fitting solution for every application.

**GLASS CLEANING:** Glazed building façades, canopies, domes, lean-tos, stairwells, lifts or sensitive surfaces can be cleaned thoroughly and streak-free with QLEEN systems - quick, easy and reliable.

**FAÇADE CLEANING:** façade elements that are difficult to reach increase the cleaning effort and, therefore, increase the cost of cleaning. Even difficult structures can be cleaned cost-effectively using QLEEN systems – safely and without leaving ground level.

**SOLAR CLEANING:** the efficiency of solar modules sinks as soon as they get dirty. Cleaning with QLEEN systems demonstrably extends the longevity and profitability of solar systems and photovoltaic panels.

**VEHICLE CLEANING:** hauliers, rail operators and airlines also use our proven QLEEN solutions to keep their vehicles, buildings and traffic infrastructure clean - for clear visibility and long-lasting cleanliness.







QLEEN Stations guarantee maximum mobility, and produce „pure“, de-mineralised water wherever cleaning operations are carried out. All QLEEN Stations use our proven PURAQLEEN technology, and are robust and reliable.

### **PURASTART Mini / PURASTART**

- For occasional cleaning of small to medium-sized surfaces
- Simply connect to the domestic water supply and get started
- Sustainable: mixed-bed resin exchange service (in Germany)

### **QLEEN DISY / QLEEN DISY ELEKTRO\***

- For regular and professional cleaning of medium to large surfaces
- Mobile: pneumatic tyres, 230 V mains supply\* and pump\* for hassle-free outdoor usage - even with no connection to the water mains\*
- ROTAQLEEN can be connected and operated directly - with no additional mains adapter (Classic / Vario / Vario light)\*
- Radio controlled for simple, convenient operation\*
- Sustainable: mixed-bed resin exchange service (in Germany)

### **QLEEN PROFI I/ QLEEN PROFI II\*\***

- For regular and professional cleaning of large surfaces
- Mobile: pneumatic tyres, rechargeable battery and pump for hassle-free outdoor usage - even with no connection to the water mains or electrical grid
- ROTAQLEEN can be connected and operated directly - with no additional mains adapter (Classic / Vario / Vario light)
- Can run off batteries or mains, with simultaneous battery charging\*\*
- Battery monitor protects batteries from damage due to total charge drainage\*\*
- Radio controlled for simple, convenient operation
- Sustainable: mixed-bed resin exchange service (in Germany)

### **QLEEN AUTARK (installable systems for transport trailers and cars)**

- For regular and professional cleaning of large surfaces
- Maximum mobility and variable production of „pure water“
- With battery and pump for hassle-free outdoor usage - even with no connection to the water mains or electrical grid
- Can be configured as a single or double work place
- High capacity: tank volume 400, 600 or 1000 litres
- ROTAQLEEN can be connected and operated directly - with no additional mains adapter (Classic / Vario / Vario light)
- Radio controlled for simple, convenient operation
- Sustainable: mixed-bed resin exchange service (in Germany)

### **Criteria for selecting the right QLEEN station:**

- Daily or occasional use
- Size of the surfaces to be cleaned
- Use with or without cleaning additives
- Operated via water mains or water tank
- Rotating brush usage (ROTAQLEEN)
- Connected to the power grid or battery operated
- Working height (up to 15 m / up to 21 m)





With QLEEN pole systems it is possible to clean surfaces quickly and reliably, up to a height of 21 meters - without leaving the ground. They are made of high-quality materials and are manufactured to state-of-the-art standards. QLEEN pole systems are designed to be lightweight and ergonomic. This promotes ergonomic working and, therefore, longer working hours.

### Telescopic CARBONPOLE

- Extremely sturdy & rigid
- Made of high-quality carbon fibres
- For work at heights up to 21 meters (in conjunction with CARBONPOLE)
- Lightweight, ideal for long working hours
- Flexible, and easy extendible using additional QLEEN Poles
- Can be combined with QLEEN brushes (27/40/60 cm), Pad and ROTAQLEEN CLASSIC

### Telescopic HYBRIDPOLE

- Very sturdy & rigid
- Made of high-quality glass and carbon fibres
- For work at heights of up to 6 meters
- Lightweight, ideal for long working hours

### CARBONPOLE

- Extremely sturdy & rigid
- Made of high-quality carbon fibres
- For work at heights of up to 21 meters
- Flexible, and easy extendible using additional QLEEN Poles
- Bayonet coupling
- Poles can also be used with ROTAQLEEN VARIO

### TITANPOLE

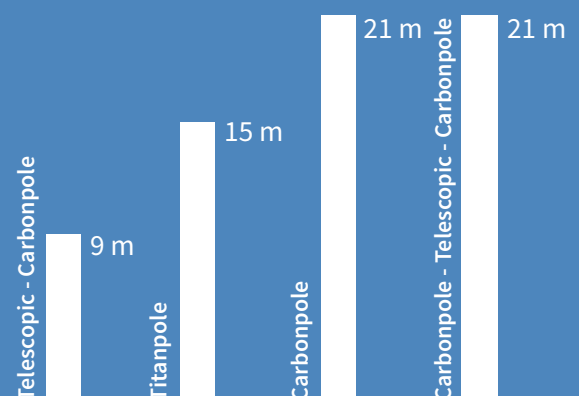
- Stable & rigid
- Made of high-quality aluminium alloys
- For work at heights of up to 15 meters
- Flexible, and easy extendible using additional QLEEN Poles
- Bayonet coupling
- Poles can also be used with ROTAQLEEN VARIO



### Criteria for selecting the right QLEEN pole system:

- Working height required
- Work stint durations
- To be used with or without rotating brush (ROTAQLEEN)
- Continued use existing QLEEN Poles

### QLEEN pole system. Max. working height.





QLEEN 2016

**QLEEN**  
PURE WATER CLEANING SYSTEMS



## QLEEN Tools

work extremely thoroughly and can master even the most difficult tasks, whilst promoting a smooth, ergonomic work process. Whether you're dealing with solar panels, building façades, bus stops, conservatories or porches – surfaces of any size and angle can be cleaned cost-effectively using our special bent-tubing, brushes and joints.

### Brushes

- Effortlessly remove dirt from the smallest nooks and crannies
- High-quality brushes, durable and extremely robust
- Highly flexible: the right brush and brush shape for any task
- Compatible: all QLEEN brushes and poles fit together seamlessly

### Brush joints

- Easy to create the necessary working angles
- Extremely variable: horizontally and vertically adjustable
- Sturdy aluminium joints and resilient components
- Compatible: all QLEEN brush angles and poles fit together perfectly
- Reliable connections make for a 100% secure fit

### Lamella cleaner

- Extremely lightweight, ideal for long working hours
- Simple, hassle-free operation
- Up to 50% quicker than traditional cleaning processes
- Solutions for different lamella spacings (50 to 100 mm)

### ROTAQLEEN – rotating brush systems

- Cleaning performance: up to 250 square meters per hour
- Significantly better cleaning effect than standard brushes
- Economical water consumption, due to the system's electronic rather than hydraulic operation (consumption: max. 250 litres/h)
- Flow and return system for thorough, careful cleaning
- Precision guidance and control system (special patented joint)
- Convenient operation via wireless control system
- Very flexible, simple re-tooling at different optional working widths
- Practical: also usable in conjunction with third-party systems (Unger)

## Criteria for selecting the right QLEEN tools:

- Cleaning requirements (glazing, façade, solar panels, lamellas)
- Size of the surfaces to be cleaned
- Work stint durations
- To be used with or without rotating brush (ROTAQLEEN)
- Brush shape and brush type
- Requirements of the surface to be cleaned





QLEEN 2016

**QLEEN**  
PURE WATER CLEANING SYSTEMS

# QLEEN.

## Benefits at a glance:

### **Quick**

Maximum cleaning power based on pure water (contaminant-free)

Ten times quicker than traditional cleaning processes

Guaranteed short assembly and disassembly times

### **Safe**

Non hazardous, ergonomic working - easy without leaving the ground

No need for risky ladder use

Easy access to areas normally difficult to reach

### **Cost effective**

No costly use of work platforms

No time-consuming assembly and dismantling phases

Streak-free cleaning - up 250 m<sup>2</sup> per hour

Cleans even sensitive surfaces with no additional effort

Modular system - upgradable as required

### **Sustainable**

Environmentally-friendly cleaning without the use of cleaning agents

Cost-effective operation supports sustainable cleaning concepts

Durable, wear-resistant and repairable components

Return-refill system for consumables (in Germany)

QLEEN CARBONPOLE

CAUTION!  
BE CARE  
ELECTRICAL  
PRESS



**QLEEN**  
PURE WATER CLEANING SYSTEMS

QLEEN 2016

# QLEEN

PURE WATER CLEANING SYSTEMS

All information supplied without guarantee.  
Subject to alterations.

QLEEN 2016