

QLEEN

PURE WATER CLEANING SYSTEMS

User Information

PURASTART MINI

Variant 03 / 2018



User Information PURASTART MINI

Thank you very much for buying a PURASTART MINI Cleaning System manufactured by Lehmann. Prior to starting the cleaning works, please, consider some important user information. We kindly ask you to read them carefully and essentially observe them. As owner of the PURASTART MINI Cleaning System you have to obligatory make sure that your staff has also read the “**User Information PURASTART MINI**” and observe the safety and warning information.

We kindly ask you to also follow the General User and Safety Remarks (see separate Lehmann publication “**General User and Safety Information**”).

This document is the original user information. It was issued in German language. Copies provided in other languages are translations of this original user information.

Manufacturer / Editor

Karlhans Lehmann KG · Kranichstraße 2a · D-17235 Neustrelitz
Telephone **(+49) 3981 48 850** · Fax **(+49) 3981 44 06 20**
e-mail **info@qleen.de** · Internet **www.qleen.de**

Copyright

This document is protected by copyright.

Any copying, reproduction, translation or transfer into electronic media or machine readable formats, of the document in whole or in part, is not permitted without prior consent of the Lehmann KG. Technical changes reserved.

© **Lehmann KG, Neustrelitz, 2018**

Trademarks

The names QLEEN, PURAQLEEN, ROTAQLEEN, CARBONPOLE, TITANPOLE are registered trademarks of the Lehmann KG, Neustrelitz.

Country of Origin

Federal Republic of Germany

1. Structure and Content of this User Information

Structure	Subjects	Page
Description of the PURASTART MINI	Information on the Product	4
	Product Components	4
	Connection and Operation Elements	4
	Accessories	4
Description of proper handling	Connection and Operation	5
	Operation of the TDS Measuring Device	5
	Disassembly	5
	Replacing the Granulate Bottle	5
	Proper Use	5
	Improper Use	5
	Technical Customer Service	6
	Storage	6
	Maintenance	6
	Replacing saturated granulate	6
	Cleaning Device and Accessories	6
	Repairing	6
	Defect System - Safety Information	6
	Repair Works	6
	Recycling, Disposal	6
	Product Date	7
	Supply Connection	7
	Environmental and Climate Conditions	7
Underlying Standards	8	
Additional Information	Guarantee Information	8
	Adresses	8
	CE Conformity	9

1.2 Basic Safety Information

Obligations of the Operator
 Requirements for the staff
 Proper Use
 Improper Use
 Security Measures
 Working Safety Information
 Requirements to the Workplace

See **“General User and Safety Information”** here (Publication of the Lehmann KG).

2. Description of the PURASTART

2.1 Product image/overview



QLEEN Systemvariant			
PURASTART MINI	×	×	



2.2 Product Components

Main Parts

- Granulate bottle with 12.5 l mixed bed resin
- Bottle head with carrying handle and TDS Measuring Device

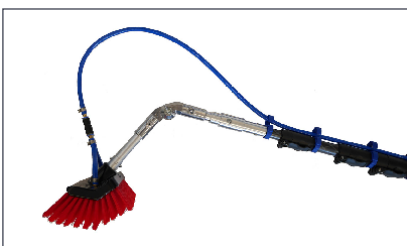
Connection and operation elements

1. Water inlet with Gardena connection
2. Pure water outlet with Gardena connection
3. TDS Measuring Device

2.3 Accessories

The Lehmann KG offers an extensive range of QLEEN accessories and spare parts. In case of interest, we are pleased to send you the latest overview. Please, just send us your request via info@qleen.de or tel. (+49) 03981488 50.

2.4 Connection and Operation



- ▷ Connect the water connection with the water inlet
- ▷ Put the Gardena connection of the water outlet hose (on the telescopic pole) on the pure water outlet
- ▷ Assemble accessories to the telescopic pole and connect with the hose
- ▷ Open the tap

2.5 Operation of the TDS Measuring Device

- ▷ Displays the degree of saturation of the mixed bed resin in the granulate bottle
- ▷ Switch in the device with the power button for measuring
- ▷ It automatically switches off after 10 minutes
- ▷ The device measures in ppm which is nearly the double of μS (the usual measuring method used for QLEEN products)
- ▷ For glass and solar cleansing, a replacement of the mixed bed resin is recommended at about 25 ppm (higher values may apply for facades and other surfaces)
- ▷ If the display starts to fade, the batteries must be exchanged
- ▷ Unfasten the measuring device from the strap, remove the three bolts at the rear cover and replace the two coin cells (LR44/AG13/357), close the lid and screw it again

2.6 Disassembly

- ▷ Shut the water tap after use and open the shut-off valve so that the water can run off.



CAUTION

When the water tap is shut while the shut-off valve remains shut, too, there is still pressure in the bottle. Open the shut-off valve and let the water run off. Remove the Gardena connections only after no water emerges from the hose outlet of the pole!

2.7 Exchange the Granulate Bottle

- ▷ **Make sure that there is no pressure inside the bottle (see disassembly)**
- ▷ Remove the Gardena connections at the bottle
- ▷ Remove the bottle head from the bottle and screw it on the new bottle

2.8 Proper Use

The system must only be used properly and in technically faultless status. See **“General User and Safety Information”** (Publication of the Lehmann KG).

2.9 Improper Use

The system user/operator is solely liable for any damages resulting from improper use. See **“General User and Safety Information”** (Publication of the Lehmann KG).

2.10 Technical Customer Service

In case the error continues to occur, we kindly ask you to contact your QLEEN authorized dealer, where you bought the system. System users and operators must not carry out any own repair works at QLEEN Cleaning systems.

We kindly ask you to consider the information of the **“User information Cleaning, Maintenance, Repair, Storage”** (separate publication of the Lehmann KG).

2.11 Storage (System and Accessories)

We kindly ask you to consider the information of the **“User information Cleaning, Maintenance, Repair, Storage, Disposal”** (separate publication of the Lehmann KG).

2.12 Maintenance

We kindly ask you to consider the information of the **“User information Cleaning, Maintenance, Repair, Storage, Disposal”** (separate publication of the Lehmann KG).

2.13 Replacing saturated granulate

We kindly ask you to consider the information of the **“User information Mix-bed resin systems”** (separate publication of the Lehmann KG) for granulate exchange.

2.14 Cleaning Device and Accessories

We kindly ask you to consider the information of the **“User information Cleaning, Maintenance, Repair, Storage, Disposal”** (separate publication of the Lehmann KG).

2.15 Repair works

We kindly ask you to consider the information of the **“User information Cleaning, Maintenance, Repair, Storage, Disposal”** (separate publication of the Lehmann KG).

2.16 Defect systems - Safety Remarks

Defect systems must be immediately

- Decommissioned
- Disassembled
- Removed
- Repaired

2.17 Repair works

Repair works must be exclusively carried out by authorized QLEEN dealers. For any repair works, please, contact the technical customer service of your authorized QLEEN dealer where you bought the system.

2.18 Recycling, Disposal (System, Accessories, Packaging, Mix-bed resin)

We kindly ask you to consider the information of the **“User information Cleaning, Maintenance, Repair, Storage, Disposal”** (separate publication of the Lehmann KG).

2.19 Product data

Component	Measuring sizes	Remarks	Values
Device	DIMENSIONS	Lenght / Width / Height	21 x 21 x 55 cm
	Weight	with filled bottle	15 kg
Water supply	Pressure	min. / max.	0 / 5 bar
	Temperature	min. / max.	5° / 50°C
Mix-bed resin	needed quantity yes filling		12,5 l
	fertility	Dependence on the quality of the water supply	575-5.750 l Pure water
Pole set	working height	max.	10 m
Workplace	Work and movement areas	Lenght / Width, min.	2 x 2 m
	Floor load capacity	min. / max.	250 kg/m ²
	Safety distance from power poles / lines	mind.	40 m

2.20 Supply connections

- Water supply to the system via the water pipe
- Flexible single hose (12.5 m) for supplying the cleaning head with water or pure water
- Water supply: Gardena Coupling

2.21 Environmental and Climate Conditions

- Permissible temperature range for system use: +5 °C to +50°C
- Maximum permissible wind speed: < 3,4 m/sec (wind speed 2) for works with the pole set
- Maximum permissible surface temperature of surfaces to be cleaned: < 50 °C

2.22 Underlying Standards

EN 13923

2.23 CE Conformity

The product on hand was extensively tested before being launched on the market and meets the legal requirements. Also see our annex “**Conformity Declaration**” here (S.9).

3. Additional information

3.1 Warranty information

The Lehmann KG trusts in the quality of its products. Therefore, we offer an extraordinary 24-months guarantee to our customers from the European Union member states, which shall be understood notwithstanding the legal warranty claims and does not limit these.

3.2 Adresses

Manufacturer:

Karlhans Lehmann KG, Kranichstraße 2a, D 17235 Neustrelitz

Hotline: Tel. +49 (0)3981 488 50; Fax + 49 (0)3981 440 620

E-Mail: info@qleen.de

LEHMANN
GERMAN CLEANING SYSTEMS

EC declaration of conformity



Directive 97/23/E (pressure equipment)

The documents authorized person is:

Mr. Dustin Schnabel, Lehmann KG, Kranichstraße 2a, D 17235 Neustrelitz, Germany

Manufacturer:

Lehmann KG, Kranichstraße 2a, D 17235 Neustrelitz, Germany

hereby declares that the following products / devices match the regulations of the above mentioned directives including their amendments in force at the time of declaration.

- **QLEEN / LEWI PURASTART in different versions**

The following harmonized standards have been applied:

EN 13923

Neustrelitz, 01.12.2016


H.J. Supthut
Executive Director

Karlhans Lehmann KG
Kranichstraße 2a
17235 NEUSTRELITZ

