

# ROTHENBERGER News



**ROPULS eDM**  
– Documentation

✓ Simple

✓ Fast

✓ Professional

## Our health is priority!

Every year in Germany, about 1.500\*<sup>1</sup> people die of Legionella disease and bacteria.

For this reason, the drinking water ordinance obliges regular inspection of drinking water pipes since November 1, 2011.



### This means:

Drinking water pipes in public buildings and rented dwellings must be inspected for Legionella on a regular basis by certified samplers.\*<sup>2</sup>

This includes:

- ▶ Rental dwellings\*<sup>3</sup>
- ▶ Hotels
- ▶ Guest houses
- ▶ Schools
- ▶ Kindergardens
- ▶ Old age homes
- ▶ Sport facilities

This means far more than 2 million buildings must be checked regularly. Initial studies show that 20% of the drinking water pipes inspected exceed the limit (> 100 colony-forming units per 100 ml of water).\*<sup>4</sup>

Construction permits for 2013\*<sup>5</sup> in Germany: > 270,000! All must be flushed according to DIN EN 806-4!

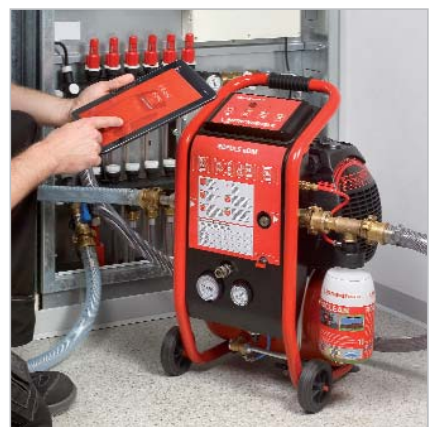
### Step 1: Flush



### Step 2: Sanitize



### Step 3: Document



\*<sup>1</sup> Epidemiologisches Bulletin, Robert Koch Institut 50/2012 & 45/2013

\*<sup>2</sup> Source: German Federal Health Ministry, first ordinance on modification to the drinking water ordinance, dated 2011

\*<sup>3</sup> Limited to buildings indicated in the DVGW worksheet W551

\*<sup>4</sup> Source: Bavarian State Office for Health and Food, 2010 and 2011 versions

\*<sup>5</sup> Federal Statistical Office of Germany: Press release 101 (17.03.2014)

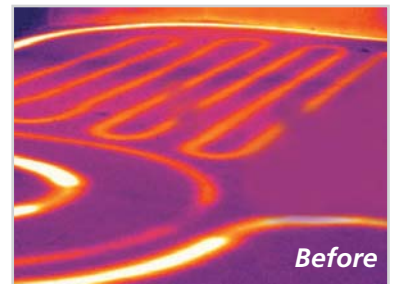
## Use the ROPULS eDM Flushing Compressor for flushing heating circuits.

There are 35 million heating systems in Germany that should be inspected at regular intervals. Floor heating systems ought to be flushed within 10 years and radiator heating systems within 15 years with the ROPULS Flushing Compressor. This prevents serious blockages.



### Step 1: Mechanical cleaning

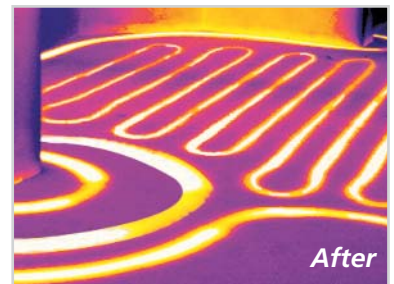
Pipes are flushed with a water-air mixture. This flushes the pipes mechanically clean and restores their original efficiency. It also protects new components, such as pumps and boilers, from existing dirt particles in the system.



### Step 2: Chemical cleaning

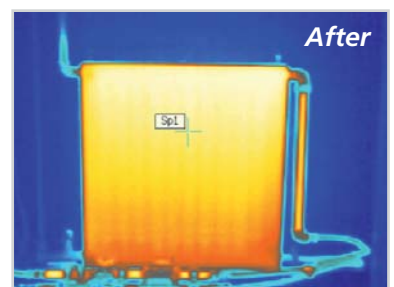
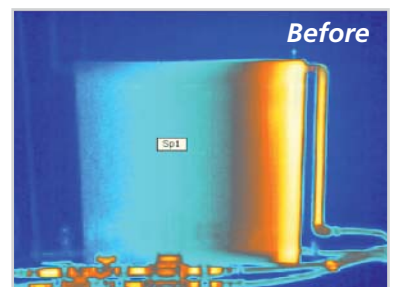
ROCLEAN® chemicals make pipes chemically free from germs and contamination.

They are suitable for cleaning all conventional pipe materials and remove crust, slime, hard deposits and biofilm. Besides remaining clean for a longer time the pipes also are additionally protected.



### Step 3: Preservation

The preservative is equally suitable for radiators and floor heating systems. It makes them chemically clean, provides further protection, and delays new deposits and contamination.



## ROPULS eDM Flushing Compressor

For scouring and cleaning of heating systems and for flushing of drinking water pipes according to EN 806 / DIN 1988-2



### Product profile

#### KEY FEATURES

- One unit, three uses – for safety and energy efficiency:  
Flushing of floor heating systems / heating circuits  
Flushing of drinking water pipes according to DIN 1988-2  
Sanitizing drinking water pipes
- Compact dimensions and a practical carriage for simple handling during transport and at the building site
- Two flushing speeds (impulse and long-term flushing) for good cleaning results

#### KEY FEATURES

- Simple to use with the clearly arranged control panel
- Chemical cleaning possible with ROCLEAN® attachments
- Free app for easy, professional creation of flushing-protocols as PDF files



ROCLEAN® Set  
No. 1000001201



ROPULS eDM Flushing Compressor  
with ROCLEAN® and injector

ROCLEAN® Set (No. 1000001201): Pressure regulator 2 bar (No. 1500000203), Injector (No. 1000000190), per 2 bottles of ROCLEAN® chemical, bag

Description	Version	kg		No.
ROPULS eDM Flushing Compressor	with hoses and connectors	28	1	<b>1000001134</b>
ROCLEAN® Set		16,3	1	<b>1000001201</b>

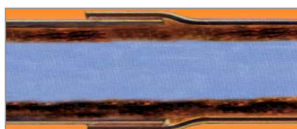
## Cleaning and preservation with ROPULS ROCLEAN®

### Cleaning chemicals for radiator heating systems

No. 1500000200



For cleaning incrustations and tough deposits. Suitable for all standard pipe materials. Does not stay in system. One bottle per 100 l system volume.

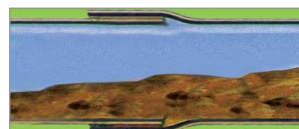


### Cleaning chemicals for surface heating systems

No. 1500000201



For cleaning of deposits and bio films. Suitable for all standard pipe materials. Does not stay in system. One bottle per 100 l system volume.



### Preservative for radiators and surface heating systems

No. 1500000202



Maintains the cleaned condition and protects the system. One bottle is sufficient for 100 l system volume.

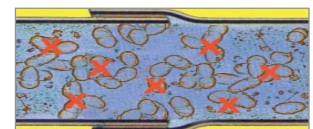


### Disinfection of drinking water systems

No. 1500000157



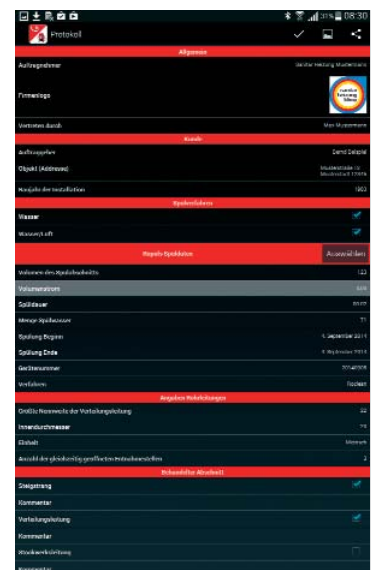
Does not stay in system. One bottle per 100 l system volume.



## ROPULS eDM App

Professional working and documentation due to eDM allows professional documentation and further processing

- ▶ Report can be e-mailed immediately as a PDF
- ▶ Transfer of flushing data via Bluetooth
- ▶ Applicable for Android and Windows devices
- ▶ Easy, fast, professional documentation
- ▶ Company profiles and protocols individually customizable
- ▶ Live data transfer to handheld unit
- ▶ Templates for various flushings-protocols available



## Easy upgrade

Documentation feature is also available for previous ROPULS versions

- ▶ All ROPULS flushing compressors produced after October 2010 can be easily upgraded
- ▶ Upgrade kit will be installed at the ROTHENBERGER Service Center (handling through specialized dealers)
- ▶ Contact your dealer and get your ROPULS upgraded



ROPULS eDM upgrade kit  
No. 1500001321

Description	Version		No.
ROPULS eDM upgrade kit	with connectors	1	1500001321



## A lucrative sideline for the HVAC installer!

Profit calculation for the work  
(e.g. floor heating system)\*

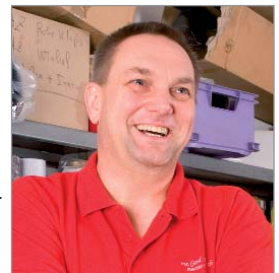
Purchasing ROPULS eDM	-	1.849 €
Work expense	-	50 €
Income from flushing	+	250 €
<b>Profitability after 8 uses</b>		

\* Example for Germany



Otto Münch, Fa. Otto Münch KG, Frankfurt/IM.

**High sales potential**  
through consistent service business



Dealer certificate from:  
**ROTHENBERGER Werkzeuge GmbH**

Your specialist dealer:

**ROTHENBERGER Werkzeuge GmbH**

Industriestraße 7  
D-65779 Kelkheim / Germany

Telefon + 49 (0) 6195 / 800 -0

Telefax + 49 (0) 6195 / 800 -3500

info@rothenberger.com