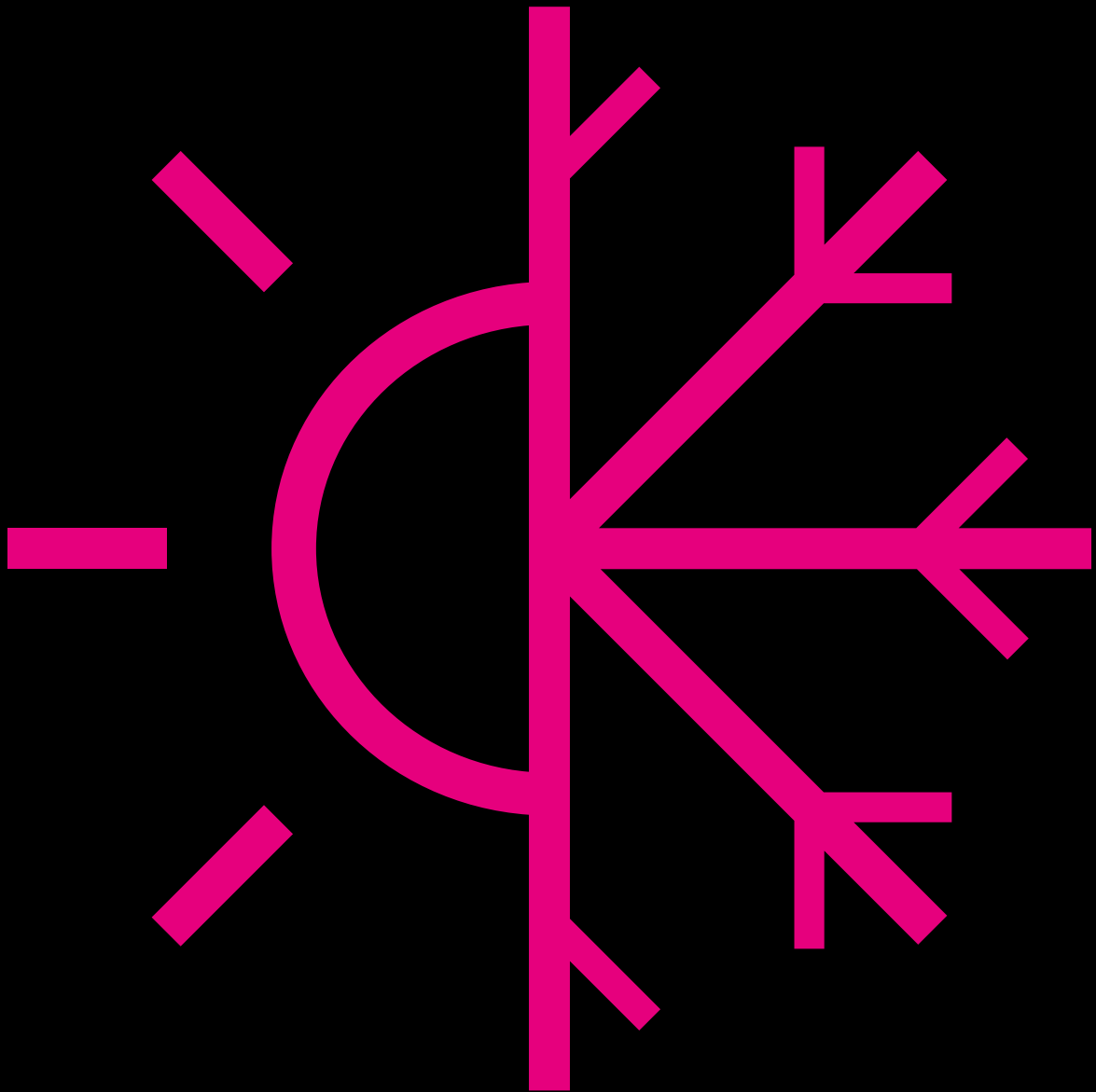


# HVAC/R



**ERRECOM**<sup>®</sup>  
AIR CONDITIONING & REFRIGERATION CHEMICAL SOLUTIONS

# **Environmental Sustainability.**

## **Not a destination.**

## **A journey to experience.**

Awarded for the fourth time as one of the 100 most sustainable Italian companies by Forbes, Enrecom renews with the same enthusiasm its commitment to sustainability.

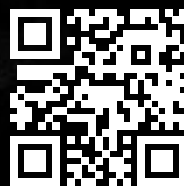
Increase in eco-friendly products in support of a circular economy.  
Replacing plastic packaging with recycled cardboard.  
Use of recycled plastic when the formulation allows it.  
Dematerialisation of technical and information material.



# THE NEW EFFICIENCY BIKE ROUTINE

The professional line to ensure bike **top performance**

Chemicals & Tools  
Maintenance



Race Friend  
Sponsor

**DERRECOM**®





1927-2024

1000  
MIGLIA

***THE MOST  
BEAUTIFUL RACE  
IN THE WORLD!***

The symbol of **Italian lifestyle**  
for almost **a century.**



# OFFICIAL GLOBAL LICENSEE



Errecom is 1000 Miglia **Official Global Licensee** for its chemicals and additives used daily by garages all over the world. 1000 Miglia is a brand that gives exclusivity and uniqueness to the service offered by the workshop or shop.

A full range of excellent products that guarantees maximum efficiency to all vehicles.

The same **emotions**.

The same **passion**.



# ErrecomLab

performs the following tests:

**Flash Point – ASTM D93 • (Art.-Nr. EL0002)**

Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester

**Pour Point – ASTM D97 • (Art.-Nr. EL0003)**

Standard Test Method for Pour Point of Petroleum Products

**Viscosity 40-100°C – ASTM D445 • (Art.-Nr. EL0001)**

Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity)

**Viscosity Index – ASTM D2270 • (Art.-Nr. EL0004)**

Standard Practice for Calculating Viscosity Index from Kinematic Viscosity at 40°C and 100°C

**Acid Number – ASTM D974 • (Art.-Nr. EL0005)**

Test Method for Acid Number by Color-Indicator Titration

**Density – ASTM D1298 • (Art.-Nr. EL0006)**

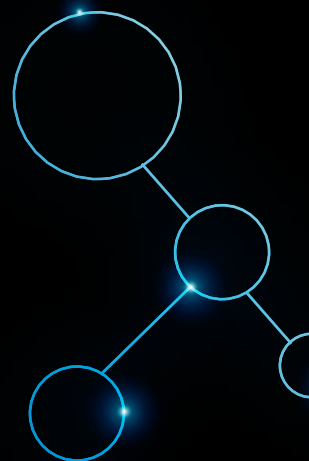
Standard Test Method for Density, Relative Density, or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method

**Water/Moisture – ASTM D6304 • (Art.-Nr. EL0007)**

Standard Test Method for Determination of Water in Petroleum Products, Lubricating Oils, and Additives by Coulometric Karl Fischer Titration

guarantees:

- ▶▶ **Technical competencies of personnel**
- ▶▶ **Validity and suitability of applied methods**
- ▶▶ **Appropriate application of measurement uncertainty**
- ▶▶ **Suitability, calibration, and maintenance of test equipment**
- ▶▶ **Proper environmental conditions for testing**
- ▶▶ **Procedures for sampling, handling, and transport of test objects**
- ▶▶ **Quality of test data and calibrations**
- ▶▶ **Impartiality of measurement and analysis activities**





# Why ErrecomLab?



**Guaranteed competence in measurement, calibration, and analysis.**



**Consistent quality of service ensured through continuous controls.**



**Validity, authority, and impartiality of analyses.**

**Easier market entry for analyzed products into foreign markets.**



**Fast analysis delivery times.**



**Access to analysis results via a Digital Reserved Area**



## **Constant Monitoring and Improvement**

ErrecomLab is committed to enhancing its services through internal monitoring, data analysis, and customer feedback.



# ENERGY DEMAND FROM AIR CONDITIONERS WILL TRIPLE BY 2050\*



❑ **Natural gas** in Europe **costs** about **10 times more** than a year ago.

❑ Wholesale **electricity prices** are around **260% higher** than a year ago.\*\*





How to cope with soaring  
**energy prices?**

Heat pump and AC/R  
maintenance  
is the answer.

Not just an intervention to solve AC/Rm system breakdowns: maintenance can also be performed **to prevent problems and maintain the efficiency of the system over time**, reducing its energy consumption and environmental impact.



ERRECOM  
ROAD TO EFFICIENCY

EFFICIENCY?

IT'S A MATTER OF

CHEMISTRY

# What affects heat pump efficiency?

Over 20 years  
of experience  
and research  
in AC/R  
maintenance

**To name a few causes: refrigerant leaks, oil fouling, moisture, and dirty coils.**

Air conditioning and refrigeration systems are not only a bunch of mechanical components but are composed of chemical elements too. For the system to work efficiently, it is essential to take care of the refrigerant gas and the refrigeration lubricant over time, avoiding their chemical decay.

## Indoor Air Quality

**People spend 90% of their time indoors,** 2013 WHO Europe Report, US Environmental Protection Agency. Negligence in cleaning A/C systems not only reduces their efficiency but also negatively affects air quality by spreading viruses, bacteria, mould, and allergens. This can be a serious health hazard.

AC/R efficiency:

# focus on maintenance, checkups, and leaks.

Errecom's offer includes:



What is it?

Acid neutraliser additive

How does it work?

It reduces and prevents the formation of acid residues resulting from the natural decomposition of refrigerant gas and refrigeration lubricant

What does it solve/prevent?

It prevents the acid residues from attacking the metal components of the system, causing refrigerant gas leaks and the AC/R compressor breakdown



What is it?

Anti-moisture additive

How does it work?

It surrounds the water molecules circulating in the AC/R system and, by removing them from the refrigeration lubricant, prevents the formation of acidity resulting from the interaction of excess water and lubricant. Working with the filter drier, the additive also slows down its saturation, thus extending its service life

What does it solve/prevent?

It prevents the corrosion caused by moisture





What is it?

Performance enhancer for A/C systems

---

How does it work?

It removes oil fouling from refrigeration lines

---

What does it solve/prevent?

Eliminating oil fouling from the internal walls of the refrigeration lines, the additive restores the original diameter of the pipes, the optimal heat exchange between the refrigerant gas and the refrigeration lines and the efficiency of the system



What is it?

Leak stop additive

---

How does it work?

It detects micro-leaks (up to 0.3 mm) on the metal, plastic and rubber components of the AC/R system by repairing them with mechanical action without reacting to moisture or oxygen (polymer-free formula)

---

What does it solve/prevent?

It repairs and prevents micro-leaks, preventing refrigerant from being spread into the atmosphere



What is it?

Antioxidant and anticorrosive additive

---

How does it work?

It leaves a thin film on the metal components (copper, aluminium, etc.) of the AC/R system protecting them from oxidation and corrosion without interfering with the heat exchange capacity

---

What does it solve/prevent?

It stops and prevents the oxidation and corrosion occurring within the AC/R system, extending the life of metal components

# A broken AC/R compressor or a retrofitting procedure

requires checking on the air conditioning or refrigeration system. In this case of extraordinary maintenance, it is necessary to flush the AC/R system with a specific fluid that will remove:



carbonic and  
hydrofluoric acid

moisture

metal ions and  
oxides

However, these particles can remain, in small percentages, free to circulate within the A/C system, causing the compressor to break down.

In addition, even after flushing with nitrogen,

residual flushing fluid

may remain, reducing the oil's viscosity and lubricating capacity.

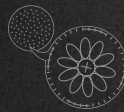
The solution is

# COMPRESSOR+

Add **Compressor+** to the compressor oil



Eliminates  
acidity



Inactivates metal  
ions and oxides



Eliminates  
moisture



Restores the oil's  
lubricating capacity



If not used,  
the life of the AC/R compressor  
may be **drastically**  
shortened



# Flushing Test

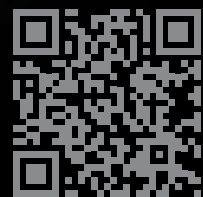
When should you flush an AC/R system?

How can you be sure that the system has been flushed correctly?

What is the right amount of flushing fluid to use?



Leaving **contaminants**, such as moisture, acidity, rust, dust, metal ions and oxides free to flow in the **refrigerant lines** can severely damage the components of AC/R systems. Therefore, it is necessary to **remove** them through professional cleaning and flushing procedures. However, until now, this critical operation has been left to the experience and common sense of HVAC/R technicians, without the possibility of testing its success and result. Thanks to our know-how, this is now possible.

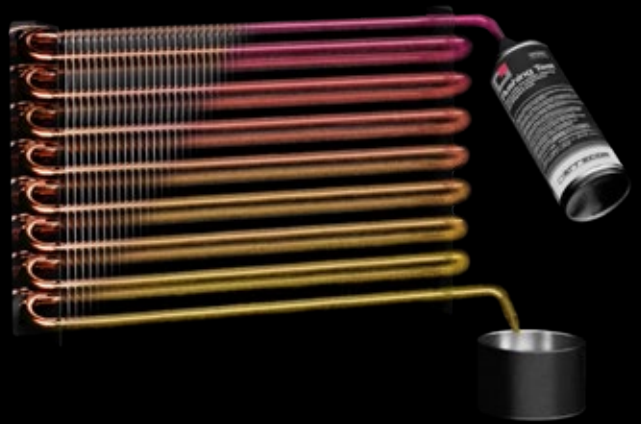




**PATENTED**

Test to verify the **proper cleaning of condensers, evaporators, and refrigerant lines.**

If the colour **CHANGES, FLUSH** the system.



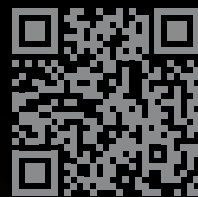
If the colour **DOESN'T CHANGE, START** the system.

Clear and instant result.

Certifies  
**proper flushing.**

# Steady

Adjustable Floor Support for AC/R Units



This new A/C support system  
**ensures quick and safe installation**  
of all outdoor units on any surface,  
**including sloping roofs up to 35°**,  
without additional support.

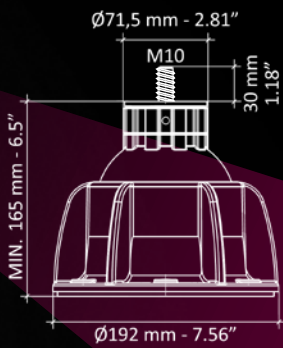
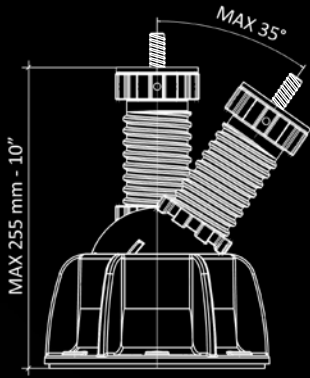
Height  
adjustment:  
165 – 255 mm

Can be tilted  
up to 35°

360-degree  
rotation



1500 Kg



Universal,  
solid,  
eco-friendly.

**PATENT PENDING**



HOT WATER



RECIRCULATING WATER



COLD WATER



WATER RETURN




WATER SUPPLY







# PIPE MARKERS AND LABELS

- ▶ Comply with  
ISO 20560 and CLP  
Regulation
  - ▶ Available in  
several languages
  - ▶ Customisable  
on request
- 

# CARDBOARD DISPLAY STAND

**Errecom's graphic layout** has always been extremely **recognisable and distinctive** and now it will be even more: the contrast between the black display stand and the coloured labels increases **product visibility and brand recognition.**



100% ECO-FRIENDLY



520 mm

400 mm

1550 mm

Art.-Nr.

ES007.01



520 mm

400 mm

1550 mm

Art.-Nr.

ES008.01

# COUNTER DISPLAY



30 PCS.



15 PCS.

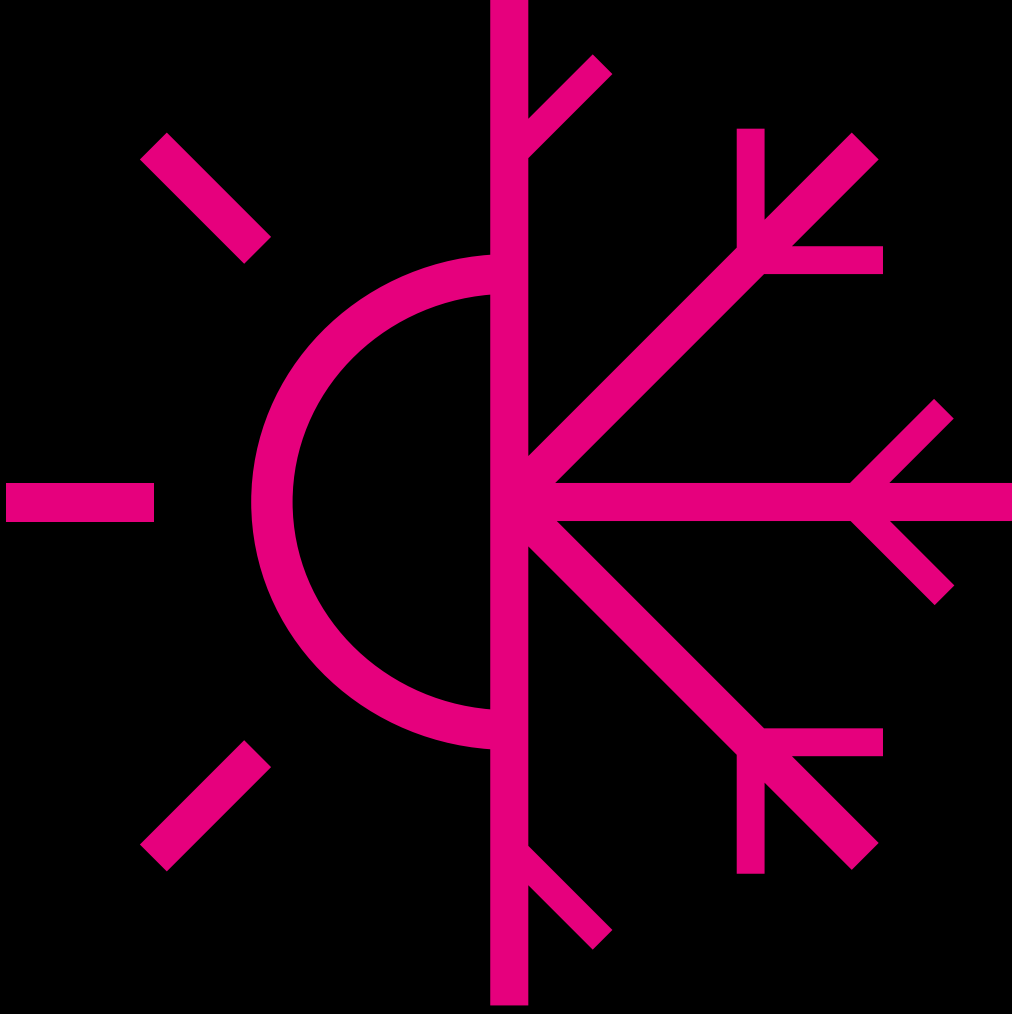
# SCENT DIFFUSION TECHNOLOGY



## Heaven

Heaven is a scent diffuser designed to be connected to an existing HVAC system to provide powerful, constant, and efficient scenting. It can be programmed by the display or remotely via Wi-Fi. It can be easily installed in the false ceiling or directly in the AHU. Coverage can be up to 4000 SQM.





## Leak Stop and Additives

for AC/R System Maintenance



## Extreme Ultra® Leak Stop

- Permanently repairs leaks up to 0.3 mm on rubber and metal components of AC/R systems.
- Polymer-free: does not react with moisture and oxygen.
- Does not clog AC/R systems' components.
- Safe for metal and rubber components of AC/R systems.
- Visible when exposed to any UV lamp.
- Non-flammable, non-irritating, safe for the operator.
- Significantly reduces compressor noise.
- Compatible with all refrigeration lubricants.
- Compatible with all refrigerant gases, including CFC, HFC, HCFC, R32 and HFO, except R717 (ammonia).
- The professional choice for preventive maintenance.

### Dosage:

1 cartridge (6 mL - 0.2 fl oz) for systems up to 21 kW or 700 mL (23.6 fl oz) of compressor oil.

Art.-Nr.	Adapters included	€			
TR1163.AL.01.S2	No adapters	-	30	4320	4590
TR1163.AL.H4.S2	1/4 SAE	-	30	4320	4590
TR1163.AL.H8.S2	5/16 SAE	-	30	4320	4590
TR1163.AL.H3.S2	1/4 SAE + 5/16 SAE	-	30	4320	4590



6 mL

**EU**  
PATENTED

**OEM**  
APPROVED

ASHRAE 97  
TESTED

## Extreme Ultra T Colourless and UV Dye-Free Leak Stop for AC/R Systems

- It has the same characteristics as Extreme Ultra.
- Invisible, even when exposed to UV light.

### Dosage:

1 cartridge (6 mL - 0.2 fl oz) fixes 1 vehicle.

### Cartridge:

Compatible with all refrigerant gases, including R12, R134a, R1234yf and CO<sub>2</sub>.

Art.-Nr.	Adapters included	€			
TR1363.AL.01.S2	No adapters	-	30	4320	4590
TR1363.AL.H4.S2	R134a	-	30	4320	4590
TR1363.AL.H8.S2	R1234yf	-	30	4320	4590
TR1363.AL.H3.S2	R134a + R1234yf	-	30	4320	4590



6 mL

**EU**  
PATENTED

**OEM**  
APPROVED

# Extreme

## Leak Stop

- It has the same characteristics as Extreme Ultra.

### Dosage:

- 1 cartridge (30 mL - 1 fl oz) for systems up to 15 kW or 500 mL (16.9 fl oz) of compressor oil.
- 1 cartridge (42 mL - 1.4 fl oz) for systems up to 21 kW or 700 mL (23.6 fl oz) of compressor oil.
- 1 cartridge (60 mL - 2 fl oz) for systems up to 30 kW or 1 L (33.8 fl oz) of compressor oil.

### 30 mL cartridge

Art.-Nr.	Description	€			
TR1062.C.01.S2	1-piece pack without adapters	-	24	1872	2160
TR1062.C.H3.S2	1-piece pack with 1/4 and 5/16 SAE adapters	-	24	1872	2160
TR1062.C2.H3.S2	2-piece pack with 1/4 and 5/16 SAE adapters	-	-	-	-

### 42 mL cartridge

Art.-Nr.	Description	€			
TR1062.R.01.S2	1-piece pack without adapters	-	24	-	-
TR1062.R.H3.S2	1-piece pack with 1/4 and 5/16 SAE adapters	-	24	-	-

### 60 mL cartridge

Art.-Nr.	Description	€			
TR1062.E.01.S2	1-piece pack without adapters	-	24	-	-
TR1062.E.H3.S2	1-piece pack with 1/4 and 5/16 SAE adapters	-	24	-	-

### 240 mL cartridge

Art.-Nr.	Description	€			
TR1062.DQ.01	1-piece pack without adapters	-	06	2394	2394



# A/C Maintenance Kit

## A/C System Maintenance Kit

The kit contains additives and tools to service air conditioning and refrigeration systems. Available in different variants, it allows maintenance from a minimum of 32 systems (up to 15 kW or 500 mL of compressor oil) or 16 systems (up to 30 kW or 1 L of compressor oil).

### The kit contains:

- A tool for inserting 240 mL cartridges into the system (Art.-Nr. IN1032.01 - Easy Gun).
- 1/4 SAE adapter (Art.-Nr. TB5203.01).
- 5/16 SAE adapter (Art.-Nr. TB5204.01).

Art.-Nr.	Description	€	
RK1603	Contains 1 Cartridge of Extreme	-	01
RK1604	Contains 4 Cartridges of Extreme	-	01
RK1605	Contains 1 Cartridge of Cool-Shot	-	01
RK1606	Contains 4 Cartridges of Cool-Shot	-	01
RK1607	Contains 1 Cartridge of Extreme and 3 Cartridges of Cool-Shot	-	01
RK1608	Contains 2 Cartridges of Extreme and 2 Cartridges of Cool-Shot	-	01
RK1609	Contains 3 Cartridges of Extreme and 1 Cartridge of Cool-Shot	-	01



## Cool-Shot Ultra

### Performance Enhancer for AC/R Systems

- Restores and maintains the original efficiency of AC/R systems.
- Removes oil fouling.
- Restores heat exchange in refrigeration lines.
- Increases the efficiency of the compressor lubricant without causing chemical changes.
- Extends compressor life and reduces its noise.
- Reduces the maintenance costs of AC/R systems.
- Reduces the energy consumption of the system and CO<sub>2</sub> emissions.
- Does not alter the refrigerant gas.
- Safe for all air conditioning and refrigeration systems.
- Visible when exposed to any UV lamp.
- Compatible with all refrigeration lubricants.
- Compatible with all refrigerant gases, including CFC, HFC, HCFC, R32 and HFO, except R717 (ammonia).
- The professional choice for preventive maintenance.

#### Dosage:

1 cartridge (6 mL - 0.2 fl oz) for systems up to 21 kW or 700 mL (23.6 fl oz) of compressor oil.

Art.-Nr.	Adapters included	€			
TR1170.AL.01.S2	No adapters	-	30	4320	4590
TR1170.AL.H4.S2	1/4 SAE	-	30	4320	4590
TR1170.AL.H8.S2	5/16 SAE	-	30	4320	4590
TR1170.AL.H3.S2	1/4 SAE + 5/16 SAE	-	30	4320	4590

6 mL

**EU**  
PATENTED

**OEM**  
APPROVED

ASHRAE 97  
TESTED

## Cool-Shot

### Performance Enhancer for AC/R Systems

- It has the same characteristics as Cool-Shot Ultra.

#### Dosage:

1 cartridge (30 mL - 1 fl oz) for systems up to 15 kW or 500 mL (16.9 fl oz) of compressor oil.

1 cartridge (42 mL - 1.4 fl oz) for systems up to 21 kW or 700 mL (23.6 fl oz) of compressor oil.

1 cartridge (60 mL - 2 fl oz) for systems up to 30 kW or 1 L (33.8 fl oz) of compressor oil.

#### 30 mL cartridge

Art.-Nr.	Description	€			
TR1122.C.01.S2	1-piece pack without adapters	-	24	1872	2160
TR1122.C.H3.S2	1-piece pack with 1/4 and 5/16 SAE adapters	-	24	1872	2160
TR1122.C2.H3.S2	2-piece pack with 1/4 and 5/16 SAE adapters	-	-	-	-

#### 42 mL cartridge

Art.-Nr.	Description	€			
TR1122.R.01.S2	1-piece pack without adapters	-	24	-	-
TR1122.R.H3.S2	1-piece pack with 1/4 and 5/16 SAE adapters	-	24	-	-

#### 60 mL cartridge

Art.-Nr.	Description	€			
TR1122.E.01.S2	1-piece pack without adapters	-	24	-	-
TR1122.E.H3.S2	1-piece pack with 1/4 and 5/16 SAE adapters	-	24	-	-

#### 240 mL cartridge

Art.-Nr.	Description	€			
TR1122.DQ.01	1-piece pack without adapters	-	06	2394	2394

**EU**  
PATENTED

**OEM**  
APPROVED

ASHRAE 97  
TESTED



# EasyGun

## Injection System for 240 mL Cartridges

EasyGun is Errecom's tool for inserting 240 mL cartridges of additives, UV leak detector dyes, and lubricants in AC/R systems.

Art.-Nr.	Description	€	🗑️
IN1032.01	EasyGun	-	01
TB5203.01	R134a adapter	-	01
TB5204.01	R1234yf adapter	-	01



### Plastic Straight Adapters

Art.-Nr.	Description	€	🗑️
TB5166.01	Flex Hose (A)	-	50
RV2024.S1	1/4 SAE adapter (L)	-	30
RV2025.S1	5/16 SAE adapter (M)	-	30
RK1425.S1	Flex Hose Pack containing (A) + (L)	-	01
RK1426.S1	Flex Hose Pack containing (A) + (M)	-	01
RK1427.S1	Flex Hose Pack containing (A) + (L) + (M)	-	01
RV2021.01*	5/16 SAE aluminium adapter (N)	-	20

\*Available while stocks last



### Plastic Flexible Adapters

Art.-Nr.	Description	€	🗑️
TB5067.R1	1/4 SAE adapter (Q)	-	20
TB5068.R1	5/16 SAE adapter (P)	-	20
RK1290	Pack containing (Q) + (P)	-	20



### Plastic Straight Adapters with Metal Valve

Art.-Nr.	Description	€	🗑️
TB5022.01	1/4 SAE adapter (Q)	-	20
TB5023.01	5/16 SAE adapter (R)	-	20
RK1228	Pack containing (Q) + (R)	-	01





# Super-Dry Ultra

## Anti-moisture Additive

- Permanently eliminates moisture build-up inside AC/R systems thanks to the special chemical formula that extracts water from the refrigeration lubricant.
- Does not alter refrigerant gases.
- Safe for gaskets and system components, and the compressor.
- Does not weaken the power of the system, nor does it alter its performance.
- Compatible with all refrigeration lubricants.
- Compatible with all refrigerant gases, including CFC, HFC, HCFC, R32 and HFO, except R717 (ammonia).
- The professional choice for preventive maintenance: eliminating moisture, it inhibits acid formation over time.

### Dosage:

1 cartridge (6 mL - 0.2 fl oz) for systems up to 21 kW or 700 mL (23.6 fl oz) of compressor oil.

Art.-Nr.	Adapters included	€			
TR1174.AL.01.S2	No adapters	-	30	5400	5400
TR1174.AL.H4.S2	1/4 SAE	-	30	5400	5400
TR1174.AL.H8.S2	5/16 SAE	-	30	5400	5400
TR1174.AL.H3.S2	1/4 SAE + 5/16 SAE	-	30	5400	5400



6 mL

EU PATENTED

OEM APPROVED

ASHRAE 97 TESTED



# No-Acid Ultra

## Acid Neutraliser Additive

- Eliminates all acid contaminants (caused by the decay of refrigerant gas or lubricant, the interaction between the extra moisture and the lubricant, or the compressor failure) from AC/R systems.
- Prevents compressor breakdown.
- Safe for system components.
- Compatible with all refrigeration lubricants.
- Compatible with all refrigerant gases, including CFC, HFC, HCFC, R32 and HFO, except R717 (ammonia).
- The professional choice for preventive maintenance: it prevents acid from developing over time.

### 6 mL Dose

Lubricant pH	Max. lubricant quantity
pH ≥ 6.8	2 Litres
6.8 > pH ≥ 5.2	1.5 Litres
pH ≤ 5.2	0.70 Litres

### Dosage:

The amount of NO-ACID ULTRA to be inserted in the AC/R system depends on the detected acidity. We recommend using Errecom's Acid-Test, as the first step to determine the optimal amount of No-Acid Ultra for the AC/R system.

Art.-Nr.	Adapters included	€			
TR1175.AL.01.S2	No adapters	-	30	5400	5400
TR1175.AL.H4.S2	1/4 SAE	-	30	5400	5400
TR1175.AL.H8.S2	5/16 SAE	-	30	5400	5400
TR1175.AL.H3.S2	1/4 SAE + 5/16 SAE	-	30	5400	5400



6 mL

EU PATENTED

OEM APPROVED

ASHRAE 97 TESTED



# Super-Dry

## Anti-moisture Additive

■ It has the same characteristics as Super-Dry Ultra.

### Dosage:

- 1 cartridge (30 mL - 1 fl oz) for systems up to 15 kW or 500 mL (16.9 fl oz) of compressor oil.
- 1 cartridge (42 mL - 1.4 fl oz) for systems up to 21 kW or 700 mL (23.6 fl oz) of compressor oil.
- 1 cartridge (60 mL - 2 fl oz) for systems up to 30 kW or 1 L (33.8 fl oz) of compressor oil.

### 30 mL cartridge

Art.-Nr.	Description	€			
TR1132.C.01.S2	1-piece pack without adapters	-	24	1872	2160
TR1132.C.H3.S2	1-piece pack with 1/4 and 5/16 SAE adapters	-	24	1872	2160
TR1132.C2.H3.S2	2-piece pack with 1/4 and 5/16 SAE adapters	-	-	-	-

### 42 mL cartridge

Art.-Nr.	Description	€			
TR1132.R.01.S2	1-piece pack without adapters	-	24	-	-
TR1132.R.H3.S2	1-piece pack with 1/4 and 5/16 SAE adapters	-	24	-	-

### 60 mL cartridge

Art.-Nr.	Description	€			
TR1132.E.01.S2	1-piece pack without adapters	-	24	-	-
TR1132.E.H3.S2	1-piece pack with 1/4 and 5/16 SAE adapters	-	24	-	-



# No-Acid

## Acid Neutraliser Additive

■ It has the same characteristics as No-Acid Ultra.

### Dosage:

- 1 cartridge (30 mL - 1 fl oz) for systems up to 15 kW or 500 mL (16.9 fl oz) of compressor oil.
- 1 cartridge (42 mL - 1.4 fl oz) for systems up to 21 kW or 700 mL (23.6 fl oz) of compressor oil.
- 1 cartridge (60 mL - 2 fl oz) for systems up to 30 kW or 1 L (33.8 fl oz) of compressor oil.

### 30 mL cartridge

Art.-Nr.	Description	€			
TR1124.C.01.S2	1-piece pack without adapters	-	24	1872	2160
TR1124.C.H3.S2	1-piece pack with 1/4 and 5/16 SAE adapters	-	24	1872	2160
TR1124.C2.H3.S2	2-piece pack with 1/4 and 5/16 SAE adapters	-	-	-	-

### 42 mL cartridge

Art.-Nr.	Description	€			
TR1124.R.01.S2	1-piece pack without adapters	-	24	-	-
TR11242.R.H3.S2	1-piece pack with 1/4 and 5/16 SAE adapters	-	24	-	-

### 60 mL cartridge

Art.-Nr.	Description	€			
TR1124.E.01.S2	1-piece pack without adapters	-	24	-	-
TR1124.E.H3.S2	1-piece pack with 1/4 and 5/16 SAE adapters	-	24	-	-





# Antioxidant Ultra

## Antioxidant and Anticorrosive Additive

- Creates a protective barrier on metals such as copper or aluminium, blocking and preventing oxidation and corrosion.
- Does not alter the refrigerant gas.
- Stabilises the refrigerant gas and the refrigeration lubricant.
- Safe for compressor, gaskets and system components.
- Does not weaken the power of the system and does not alter its performance.
- Does not decrease heat exchange.
- Does not accumulate in the moisture filter.
- Compatible with all refrigeration lubricants.
- Compatible with all refrigerant gases, including CFC, HFC, HCFC, R32 and HFO, except R717 (ammonia).

### Dosage:

1 cartridge (6 mL - 0.2 fl oz) for systems up to 21 kW or 700 mL (23.6 fl oz) of compressor oil.

Art.-Nr.	Adapters included	€			
TR1177.AL.01.S2	No adapters	-	30	5400	5400
TR1177.AL.H4.S2	1/4 SAE	-	30	5400	5400
TR1177.AL.H8.S2	5/16 SAE	-	30	5400	5400
TR1177.AL.H3.S2	1/4 SAE + 5/16 SAE	-	30	5400	5400

6 mL



# Compressor+

## Restoring Additive for Refrigeration Lubricants

- Restores the optimal working conditions of air conditioning and refrigeration systems after replacing the compressor or flushing the circuit.
- Eliminates and neutralises all particles and contaminants that are potentially hazardous to newly flushed system components. These include moisture, heavy flushing fluid residues, and contaminants such as hydrofluoric, hydrochloric, and carbonic acids that develop as a result of the decay of refrigerant gas and lubricant caused by the high temperatures reached by the compressor in case it burns or fails.
- Eliminates the risk of circuit damage after the compressor replacement or circuit flushing.
- Safe for AC/R system components.
- Compatible with all refrigeration lubricants.
- Compatible with all refrigerant gases, including CFC, HFC, HCFC, R32 and HFO, except R717 (ammonia).

### Dosage:

Amount of Compressor+ to be added in the new compressor lubricant.

Compressor+	6 mL	12 mL	30 mL	45 mL	60 mL
Lubricant	up to 400 mL	up to 800 mL	up to 2 L	up to 3 L	up to 4 L

Art.-Nr.	Description	€			
TR1162.AL.01.S2	6 mL cartridge	-	30	5400	5400
TR1162.L.01.S2	12 mL cartridge	-	30	5400	5400
TR1162.C.01.S2	30 mL cartridge	-	24	1872	2160
TR1162.QC.01.S2	45 mL cartridge	-	24	-	-
TR1162.E.01.S2	60 mL cartridge	-	24	-	-

6 mL

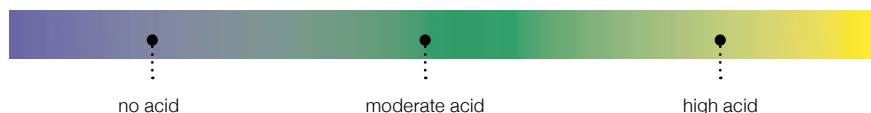




# Acid-Test

## Test to Verify the Presence of Acid in Compressor Oil

- Universal: works with all refrigeration lubricants (POE - ABZ - PAO - PAG - PVE - Mineral).
- Easy to use: just add a few drops of lubricant, shake the bottle and wait a few seconds to see the result.
- Quick result in a few seconds.
- Ideal to perform regular preventive maintenance of the compressor.
- Non-flammable and non-toxic.
- Contains 4 test kits.
- Clear and accurate results. The colour indicates the pH range:



Art.-Nr.	€			
RK1349.S1	-	12	2160	2160

# AC/R Restoring Treatment

## Restoring Treatment to permanently repair Refrigerant Gas Leaks of AC/R Systems



- Permanently blocks the development of chemical reactions that would cause leaks, preserving the efficiency of air conditioning or refrigeration systems over time.
- Specifically:
  - eliminates moisture;
  - neutralises acid residues;
  - removes oil fouling;
  - permanently repairs refrigerant gas leaks;
  - restores the original efficiency of the system.
- Compatible with all refrigeration lubricants.
- Compatible with all refrigerant gases, including CFC, HFC, HCFC, R32 and HFO except R717 (ammonia).
- 4 steps: 4 cartridges (24 mL - 0.8 fl oz) for systems up to 21 kW or 700 mL (23.6 fl oz) compressor oil.
- Ideal to perform regular preventive maintenance.
- Recommended for restoring the efficiency of unkept systems.



Art.-Nr.	Adapters included	€			
RK1421.S2	No adapters	-	12	672	888
RK1421.H4.S2	1/4 SAE	-	12	672	888
RK1421.H8.S2	5/16 SAE	-	12	672	888
RK1421.H3.S2	1/4 SAE + 5/16 SAE	-	12	672	888

6 mL





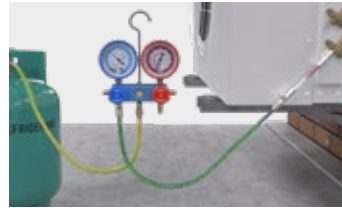
6 mL

## Easy-Inject

Tool for injecting Additives into the AC/R System

- Allows additives to be added to AC/R systems using refrigerant gas.
- Pump down not required.
- Eco friendly: re-usable.
- Safe for technicians and systems: check valve included.

Art.-Nr.	Description	€			
IN1030.R1	1/4 SAE	-	15	-	-
IN1031.R1	5/16 SAE	-	15	-	-



## Easy-Hose

Tool for inserting Additives through AC/R System Pressure

Connected directly to the high side port and Easy Inject, Easy Hose enables additives to be injected into AC/R systems without manifolds, but rather using the pressure of the system itself.



Art.-Nr.	Description	€	
TB5164.R2	1/4 SAE	-	01
TB5165.R2	5/16 SAE	-	01

## Easy-Inject + Additives

### Easy-Inject + Extreme Ultra

Art.-Nr.	Description	€			
RK1384	Easy-Inject 1/4 SAE + Extreme Ultra	-	20	-	-
RK1385	Easy-Inject 5/16 SAE + Extreme Ultra	-	20	-	-

### Easy-Inject + Cool-Shot Ultra

Art.-Nr.	Description	€			
RK1404	Easy-Inject 1/4 SAE + Cool-Shot Ultra	-	20	-	-
RK1416	Easy-Inject 5/16 SAE + Cool-Shot Ultra	-	20	-	-

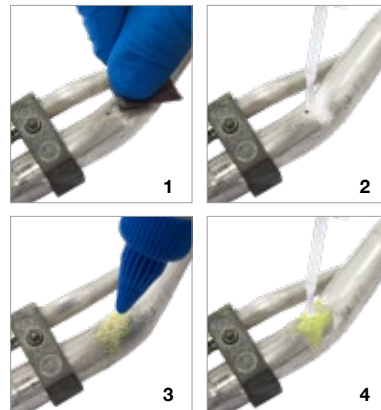


6 mL

# FixQuick

## Ultra-fast Leak Stop

- Ultra-fast: takes just 20 seconds to repair refrigerant gas leaks up to 1 mm.
- Pressure resistance:
  - 20 seconds to fix up to 20 bar (290 psi)
  - 20 minutes to fix up to 50 bar (725 psi)
- Resists up to 250°C (482°F).
- Easy to use: STEP 1 - liquid with brush; STEP 2 - powder.
- Can be used on metal and plastic components.
- Can be applied on flat, curved, horizontal or vertical surfaces.
- Ideal for urgent repairs.
- Ideal for repairs where welding cannot be carried out.
- Permanent result.
- Visible with any UV lamp: it allows you to pinpoint and check the condition of previous repairs.



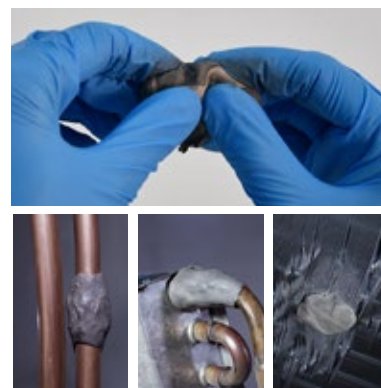
Art.-Nr.	€			
TR1241.01	-	30	-	-



# External

## Two-component Putty Leak Stop

- Repairs refrigerant gas leaks up to 5 mm.
- Ideal for urgent repairs.
- Perfectly adheres to metal (copper, aluminium, and steel) and rubber components.
- Can be used on thermoplastic pipes.
- Resists refrigeration lubricant (mineral, POE, PAG, PAO and Alkylbenzene).
- Resists refrigerant gases (CFC, HFC, HCFC, CO<sub>2</sub>, including R32 and R1234yf).
- Resists additives and flushing fluids, including chlorinated ones.
- Temperature range use: -100°C to +270°C (-148 °F to 518 °F).
- Can be used on either the high or low side of HVAC/R systems.
- Different pressure resistance depending on the size of the leak:
  - 5 mm = 40 bar (580 psi) - 2 mm = 50 bar (725 psi) - 1 mm = 57 bar (826 psi).
- Easy to use: it can be easily mixed by using two fingers and, once applied, it permanently repairs the leak in 4-5 hours.
- There is no risk of product dispersion in AC/R systems.
- Once dried, it can be easily sanded or removed.



**EXTERNAL P** is the two-component putty leak stop specially formulated for plastic components of air conditioning and refrigeration systems and plumbing applications.

Art.-Nr.	Description	€			
TR1166.01	External	-	60	-	-
TR1172.01	External P	-	60	-	-





## Extreme Ultra White

### Leak Stop for Refrigerators

- It has the same characteristics as Extreme Ultra.
- Specific for compressors of domestic and industrial refrigerators, wine cellars, vending machines, ice cream display cabinets, etc., operating with R600, R290 and R134a.

**Dosage:** 1 dose (6 mL - 0.2 fl oz) per 200 mL (6.7 fl oz) of compressor oil.

#### Cartridge

Art.-Nr.	Adapters included	€			
TR1176.AL.01.S2	No adapters	-	30	5400	5400
TR1176.AL.H4.S2	1/4 SAE	-	30	5400	5400

**Aerosol Can with Push&Fill System:** Available in three different formats, each compatible with a specific refrigerant: R600, R290 or R134a.

Art.-Nr.	System	Adapters included	€			
PF1185.Y.01.S2	R600	No adapters	-	25	3150	3600
PF1185.Y.H4.S2	R600	1/4 SAE	-	25	3150	3600
PF1186.Y.01.S2	R290	No adapters	-	25	3150	3600
PF1186.Y.H4.S2	R290	1/4 SAE	-	25	3150	3600
PF1187.Y.01.S2	R134a	No adapters	-	25	3150	3600
PF1187.Y.H4.S2	R134a	1/4 SAE	-	25	3150	3600

REFRIGERATOR  
**ONLY**

6 mL



## Cool-Shot Ultra White

### Performance Enhancer for Refrigerators

- It has the same characteristics as Cool-Shot Ultra.
- Specific for compressors of domestic and industrial refrigerators, wine cellars, vending machines, ice cream display cabinets, etc., operating with R600, R290 and R134a.

**Dosage:** 1 dose (6 mL - 0.2 fl oz) per 200 mL (6.7 fl oz) of compressor oil.

#### Cartridge

Art.-Nr.	Adapters included	€			
TR1181.AL.01.S2	No adapters	-	30	5400	5400
TR1181.AL.H4.S2	1/4 SAE	-	30	5400	5400

**Aerosol Can with Push&Fill System:** Available in three different formats, each compatible with a specific refrigerant: R600, R290 or R134a.

Art.-Nr.	System	Adapters included	€			
PF1188.Y.01.S2	R600	No adapters	-	25	3150	3600
PF1188.Y.H4.S2	R600	1/4 SAE	-	25	3150	3600
PF1189.Y.01.S2	R290	No adapters	-	25	3150	3600
PF1189.Y.H4.S2	R290	1/4 SAE	-	25	3150	3600
PF1190.Y.01.S2	R134a	No adapters	-	25	3150	3600
PF1190.Y.H4.S2	R134a	1/4 SAE	-	25	3150	3600

REFRIGERATOR  
**ONLY**

6 mL





# Super-Dry Ultra White

## Anti-moisture Additive for Refrigerators

- It has the same characteristics as Super-Dry Ultra.
- Specific for compressors of domestic and industrial refrigerators, wine cellars, vending machines, ice cream display cabinets, etc., operating with R600, R290 and R134a.



**Dosage:** 1 dose (6 mL - 0.2 fl oz) per 200 mL (6.7 fl oz) of compressor oil.

Art.-Nr.	Adapters included	€			
TR1182.AL.01.S2	No adapters	-	30	5400	5400
TR1182.AL.H4.S2	1/4 SAE	-	30	5400	5400

REFRIGERATOR  
**ONLY**



# No-Acid Ultra White

## Acid Neutraliser Additive for Refrigerators

- It has the same characteristics as No-Acid Ultra.
- Specific for compressors of domestic and industrial refrigerators, wine cellars, vending machines, ice cream display cabinets, etc., operating with R600, R290 and R134a.



**Dosage:** 1 dose (6 mL - 0.2 fl oz) per 200 mL (6.7 fl oz) of compressor oil.

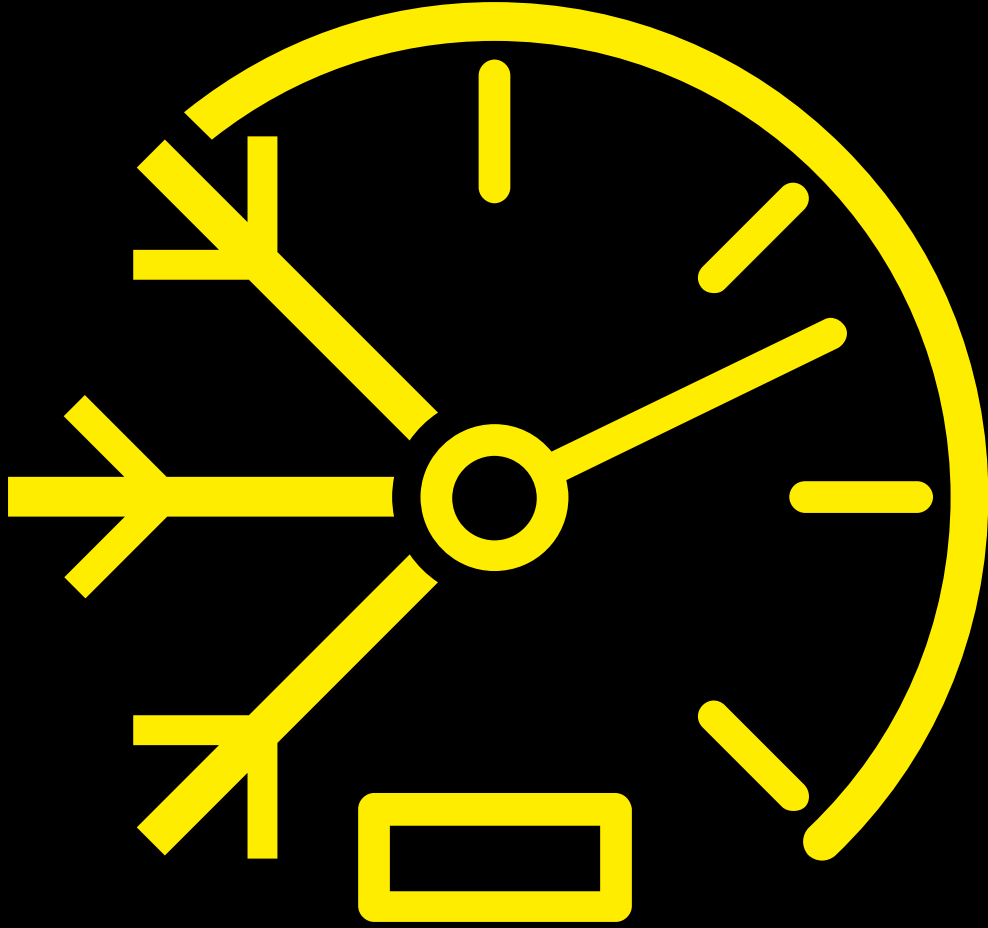
Art.-Nr.	Adapters included	€			
TR1183.AL.01.S2	No adapters	-	30	5400	5400
TR1183.AL.H4.S2	1/4 SAE	-	30	5400	5400

REFRIGERATOR  
**ONLY**



## Detecting

Refrigerant Gas Leak in AC/R Systems



## Best Bubbles

### Refrigerant Gas Leak Detector

- Detects micro-leaks on A/C components and refrigerant lines thanks to its high adhesion power to surfaces.
- Quick, ready and easy to use: leaks result in the formation of large, thick bubbles.
- Operating temperature: from -40°C to +80°C (from -40°F to +176°F).
- Also available with directional dispensing trigger <sup>(A)</sup>.
- The aerosol cans can be used even upside down thanks to the special 360° valve



Art.-Nr.	Description	Quantity	€			
TR1143.K.S1	Best Bubbles	1 L	-	06	480	576
TR1143.M.01	Best Bubbles	500 mL	-	12	-	-
AB1232.N.01	Best Bubbles Aerosol	400 mL	-	12	1248	1404
AB1232.N.01.C	Best Bubbles Aerosol <sup>(A)</sup>	400 mL	-	12	1248	1404

## Best Bubbles Fluo

### Fluorescent Refrigerant Gas Leak Detector

- Detects micro-leaks on AC/R components and refrigerant lines thanks to its high adhesion power to surfaces.
- Quick, ready, and easy to use.
- Operating temperature: from -40°C to + 80°C (from -40°F to + 176°F).
- Ideal in poor visibility situations. Leaks result in large, thick, and fluorescent bubbles, visible when exposed to any UV lamp.
- Also available with directional dispensing trigger <sup>(A)</sup>.
- The aerosol cans can be used even upside down thanks to the special 360° valve.



Art.-Nr.	Description	Quantity	€			
TR1161.K.S1	Best Bubbles Fluo	1 L	-	06	480	576
TR1161.M.01	Best Bubbles Fluo	500 mL	-	12	-	-
AB1251.N.01	Best Bubbles Fluo Aerosol	400 mL	-	12	1248	1404
AB1251.N.01.C	Best Bubbles Fluo Aerosol <sup>(A)</sup>	400 mL	-	12	1248	1404

## Brilliant Remover

### Fluorescent UV Dye Remover

- Removes residues of UV dye from surfaces and tools that may have been involved during the leak detection phase.
- Avoids any false leak localisations.
- Does not damage surfaces.



Art.-Nr.	Description	€			
TR1109.01	100 mL spray bottle	-	32	-	-
TR1108.K.S1	1 L spray bottle	-	06	480	576
TR1004.01	400 mL aerosol can	-	12	1248	1404



**90 mL bottle**

Art.-Nr.	€			
TR1003.NT.S1	-	24	-	-

# Brilliant

## UV Leak Detector Dye for Air Conditioning and Refrigeration Systems

- Quickly and precisely locates refrigerant gas leaks in AC/R systems.
- Once inserted into the system, the product emerges from the leak and is visible when exposed to any UV lamp.
- Compatible with all lubricants and refrigerant gases including CFC, HFC, HCFC and HFO.
- Does not contain solvents.
- Does not alter the chemical properties of the lubricant and does not damage AC/R systems.
- 1 cartridge (7.5 mL – 0.25 fl oz) per 500 mL (16.9 fl oz) of compressor lubricant.
- Dye detected labels included.

**12-cartridge pack (7.5 mL each)**

Art.-Nr.	Adapters included	€			
TR1068.A12.01.S2	No adapters	-	12	672	888
TR1068.A12.H4.S2	1/4 SAE	-	12	672	888
TR1068.A12.H8.S2	5/16 SAE	-	12	672	888
TR1068.A12.H3.S2	1/4 SAE + 5/16 SAE	-	12	672	888

**1-cartridge pack (60 mL)**

Art.-Nr.	Adapters included	€			
TR1068.E.01	No adapters	-	15	-	-
TR1068.E.H4	1/4 SAE	-	15	-	-
TR1068.E.H8	5/16 SAE	-	15	-	-
TR1068.E.H3	1/4 SAE + 5/16 SAE	-	15	-	-

**250 mL bottle with dispenser**

Art.-Nr.	€			
TR1003.01.S1	-	12	1512	1680

**1-cartridge pack (240 mL)**

Art.-Nr.	€			
TR1003.DQ.01	-	06	2394	2394



**90 mL bottle**

Art.-Nr.	€			
TR1133.NT.S1	-	24	-	-

# Trace Brilliant

## Red Leak Detector for Air Conditioning and Refrigeration Systems

- Precisely locates refrigerant gas leaks with recognisable red marks.
- Visible through the ice.
- Does not evaporate and does not develop deposits.
- 1 cartridge (7.5 mL - 0.25 fl oz) per 500 mL (16.9 fl oz) of compressor lubricant.
- Compatible with all lubricants and refrigerant gases including CFC, HFC, HCFC, HFO.

**12-cartridge pack (7.5 mL each)**

Art.-Nr.	Adapters included	€			
TR1133.A12.01.S2	No adapters	-	12	672	888
TR1133.A12.H4.S2	1/4 SAE	-	12	672	888
TR1133.A12.H8.S2	5/16 SAE	-	12	672	888
TR1133.A12.H3.S2	1/4 SAE + 5/16 SAE	-	12	672	888

**1-cartridge pack (60 mL)**

Art.-Nr.	Adapters included	€			
TR1133.E.01	No adapters	-	15	-	-
TR1133.E.H4	1/4 SAE	-	15	-	-
TR1133.E.H8	5/16 SAE	-	15	-	-
TR1133.E.H3	1/4 SAE + 5/16 SAE	-	15	-	-

**250 mL bottle with dispenser**

Art.-Nr.	€			
TR1133.01.S1	-	12	1512	1680

**1-cartridge pack (240 mL)**

Art.-Nr.	€			
TR1133.DQ.01	-	06	2394	2394



## Flexible Bright Torch

FLEXIBLE BRIGHT TORCH is a 5-LED UV dual-head lamp with a flexible probe that allows identifying refrigerant gas leaks even in the most difficult to illuminate spots. Mount the UV head directly on the lamp or via the probe.

### Technical features:

- Power supply: 3 x 1.5 V "AA" batteries. ■ UV protective goggles included.
- LED wavelength: 385 - 380 nm. ■ 5 white LED head . ■ Aluminium body.
- Clamshell.

Art.-Nr.	€	
RK1267	-	05



## Wire Bright Torch

WIRE BRIGHT TORCH is an UV lamp 100W-12V that allows identifying refrigerant gas leaks.

### Technical features:

- Power supply: 12 V. ■ UV protective goggles included.
- LED wavelength: 410 - 405 nm. ■ Plastic body.

Art.-Nr.	€	
RK1231	-	01




## High Bright Torch

High Bright Torch is a 1-LED UV - 3W lamp to identify refrigerant gas leaks.

### Technical features:

- Power supply: 3 x 1.5 V "C" batteries. ■ UV protective goggles included.
- LED wavelength: 410 - 405 nm. ■ Aluminium body. ■ Clamshell.

Art.-Nr.	€	
RK1269	-	05



## Adjustable Focus Bright Torch

Adjustable Focus Bright Torch is a 1-LED UV - 3W lamp to identify refrigerant gas leaks.

### Technical features:

- Power supply: 2 x 1.5 V "C" batteries. ■ UV protective goggles included.
- LED wavelength: 410 - 405 nm. ■ Aluminium body. ■ Case.

Art.-Nr.	€	
RK1294	-	01



## Mini Bright Torch

Mini Bright Torch is a 9-LED UV lamp to identify refrigerant gas leaks.

### Technical features:

- Power supply: 3 x 1.5 V "AAA" batteries. ■ UV protective goggles included.
- LED wavelength: 410 - 405 nm. ■ Aluminium body. ■ Clamshell.

Art.-Nr.	€	
RK1230	-	14



## UV Protective Goggles

These goggles are glasses that protect the eyes from UV radiation and must be worn when using any UV lamp to identify leaks. Their yellow colour will make the fluorescence of the UV dye even more visible.

### Technical features:

- Complies with EN166:2001 and EN170:2002.

Art.-Nr.	€	
UV1002.01	-	01







## Leak Finder

**The Kit contains:**

- UV leak detector dye (250 mL bottle with dispenser).
- UV dye remover (100 mL spray bottle).
- Refillable 50 mL cartridge injector.
- R134a adapter (low pressure charging port) with 120 mm flex hose.
- 1/4 SAE and 5/16 SAE adapters with 120 mm flex hose.
- 9-Led UV lamp.
- UV goggles.
- 33 dye detection labels.



Art.-Nr.	Description	€		
RK1312	Yellow UV leak detector dye (Brilliant)	-	01	-
RK1307	Green UV leak detector dye (Green Brilliant)	-	01	-



## Fast Leak Finder

**The Kit contains:**

- UV leak detector dye (12 x 7.5 mL cartridges).
- UV dye remover (400 mL spray bottle).
- R134a adapter (low pressure charging port) with 120 mm flex hose.
- 1/4 SAE and 5/16 SAE adapters with 120 mm flex hose.
- 9-Led UV lamp.
- UV goggles.
- 12 dye detection labels.



Art.-Nr.	Description	€		
RK1241	Yellow UV leak detector dye (Brilliant)	-	01	-
RK1273	Green UV leak detector dye (Green Brilliant)	-	01	-



## Fast Leak Finder 2

**The Kit contains:**

- UV leak detector dye (12 x 7.5 mL cartridges).
- UV dye remover (400 mL aerosol can).
- R134a adapter (low pressure charging port) with 120 mm flex hose.
- 5-Led UV lamp with flexible probe.
- UV goggles.
- 12 dye detection labels.



Art.-Nr.	Description	€		
RK1238	Yellow UV leak detector dye (Brilliant)	-	01	-
RK1298	Green UV leak detector dye (Green Brilliant)	-	01	-



## Fast Leak Finder 3

**The Kit contains:**

- UV leak detector dye (250 mL bottle with dispenser).
- UV dye remover (100 mL spray bottle).
- Refillable 50 mL cartridge injector.
- R134a adapter (low pressure charging port) with 120 mm flex hose.
- 1-Led UV-3W lamp.
- UV goggles.
- 33 dye detection labels.

Art.-Nr.	Description	€		
RK1355	Yellow UV leak detector dye (Brilliant)	-	01	-
RK1372	Green UV leak detector dye (Green Brilliant)	-	01	-

# Fast Leak Finder 5

## The Kit contains:

- UV leak detector dye (240 mL cartridge).
- A tool for inserting 240 mL cartridges into the system (Easy Gun).
- 1/4 SAE adapter.
- 5/16 SAE adapter.
- 9-Led UV lamp.
- UV goggles.
- 32 dye detection labels.

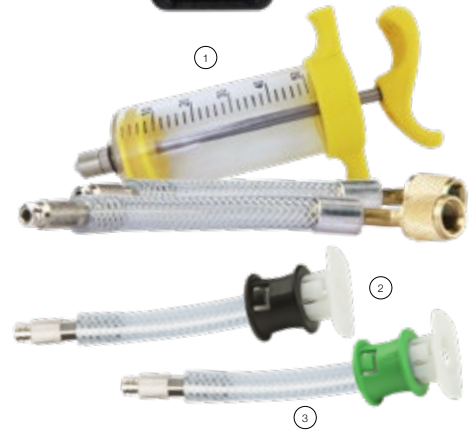
Art.-Nr.	Description	€	🗑️	🔧*
RK1476	Yellow UV leak detector dye (Brilliant)	-	01	-



## Refillable Cartridge Injector

- Refillable.
- 20 and 50 mL cartridge.
- Flexible plastic and metal adapter for 1/4 SAE and 5/16 SAE. ①
- Flexible plastic and metal adapter for R134a and R1234yf. ② ③
- Hose burst pressure: 60 bar (870 psi).
- Plastic case.

Art.-Nr.	Description	€	🗑️
IN1021.R1	20 mL + Plastic and Metal Adapter 1/4 SAE and 5/16 SAE ①	-	01
IN1022.R1	50 mL + Plastic and Metal Adapter 1/4 SAE and 5/16 SAE ①	-	01
IN1021.01	20 mL + Plastic and Metal Adapter R134a ②	-	01
IN1022.01	50 mL + Plastic and Metal Adapter R134a ②	-	01
RK1357	50 mL + Plastic and Metal Adapter R1234yf ③	-	01



## Refillable Injector 60 mL

- Refillable.
- 60 mL cartridge.
- Ball valve 1/4 SAE swivel connection.
- 1/4 SAE male rear connection.
- Plastic case.

Art.-Nr.	€	🗑️	🔧*
RK1523	-	01	-



## Refillable Piston Injector

- Refillable.
- 60 mL cartridge.
- 1/4 SAE swivel connection.
- Low-pressure port for systems with R134a.
- Plastic case.

Art.-Nr.	€	🗑️	🔧*
RK1155	-	01	-



## Refillable Injector 7.5 mL

- Refillable.
- 2 Ball valves.
- 1/4 SAE male rear connection.
- 3/8 SAE female front connection.
- Adapter 3/8 SAE male x 1/4 SAE female.

Art.-Nr.	€	🗑️	🔧*
RK1106	-	01	-



# N<sub>2</sub>H<sub>2</sub> Electronic Leak Detector

N<sub>2</sub>H<sub>2</sub> ELECTRONIC LEAK DETECTOR is an electronic device designed to detect a 5% hydrogen (H<sub>2</sub>) + 95% nitrogen (N<sub>2</sub>) gas mixture and the following refrigerant gases: R134a - R410a - R407c - R1234yf - R32 - R404a - R502 - R600 - R290. This leak detector is equipped with a heated sensor and a microprocessor that guarantee an accurate and very precise signal. Thanks to the 3 sensitivity levels and the 7 LED three-colour visual display, this leak detector can guarantee the detection of leaks up to 5ppm (2g/year).

### Technical features:

- Semiconductor heated sensor.
- 40 cm stainless flexible probe.
- Operating temperature: from 0°C to 40°C.
- 3 sensitivity levels.
- Leak detection indicator with 7 LED three-colour visual scale.
- Detectable refrigerant gases: R134a - R1234yf - R410a - R404a - R407c - R32 - R502 - R600 - R290.
- Compliant with SAE J1627 CE.
- Power source: 2 x C size alkaline batteries.
- Power supply: 3.3 V / 0.5 A.
- Plastic case (22.2 x 6.6 x 5.1 cm).
- Weight: 418 g (battery included).



RK1335

AS1019.01



\*SPARE PARTS AVAILABLE



Art.-Nr.	€		
RK1335	-	01	-
AS1014.01*	-	01	-
AS1015.01*	-	01	-
AS1019.01	-	01	-



# N<sub>2</sub>H<sub>2</sub> Pressure Kit HVAC/R

N<sub>2</sub>H<sub>2</sub> PRESSURE KIT is a kit to detect leaks in air conditioning and refrigeration systems under pressure with nitrogen/hydrogen gas mixture (N<sub>2</sub>H<sub>2</sub>).

### The kit includes:

- Gas pressure regulator (0-60 bar) compliant with EN ISO 2503 186588.
- 2 m charging hose SAE J2196/J2888 with ball valve with 1/4 SAE swivel connection.
- Black 1/4 SAE gauge with 15 cm hose and ball valve with gauge (Class 1.0) in scale sectors refrigerant gases R134a/R1234yf/R32/R410a/R404a/R407c/R422/R507/R22 and nitrogen/hydrogen mixture (N<sub>2</sub>H<sub>2</sub>).
- Green 5/16 SAE gauge with 15 cm hose and ball valve with gauge (Class 1.0) in scale sectors refrigerant gases R134a/R1234yf/R32/R410a/R404a/R407c/R422/R507/R22 and nitrogen/hydrogen mixture (N<sub>2</sub>H<sub>2</sub>).
- Disposable N<sub>2</sub>H<sub>2</sub> cylinder 950cc - 110 bar.
- Adapter for disposable cylinder (M10x1 - W21.80 RHE).
- Storage and transport plastic case (44.7 x 41.2 x 10.7 cm).



Art.-Nr.	Description	€		
RK1526	N <sub>2</sub> H <sub>2</sub> Pressure Kit (IT)	-	01	-
RK1526.UK	N <sub>2</sub> H <sub>2</sub> Pressure Kit (UK)	-	01	-
RK1526.DE	N <sub>2</sub> H <sub>2</sub> Pressure Kit (DE)	-	01	-
RK1526.FR	N <sub>2</sub> H <sub>2</sub> Pressure Kit (FR)	-	01	-



## N<sub>2</sub>H<sub>2</sub> Detection Kit HVAC/R

N<sub>2</sub>H<sub>2</sub> DETECTION KIT is a kit to detect leaks up to 5ppm (2g/year) in air conditioning and refrigeration systems under pressure with nitrogen/hydrogen gas mixture (N<sub>2</sub>H<sub>2</sub>). The electronic leak detector is also able to detect the following refrigerant gases R134a - R410a - R407c - R1234yf - R32 - R404a - R502 - R600 - R290.


### Technical features:

- Semiconductor heated sensor. ■ 40 cm stainless flexible probe. ■ Operating temperature: from 0°C to 40°C. ■ 3 sensitivity levels. ■ Leak detection indicator with 7 LED three-colour visual scale. ■ Detectable refrigerant gases: R134a - R1234yf - R410a - R404a - R407c - R32 - R502 - R600 - R290. ■ Compliant with SAE J1627 CE. ■ Power source: 2 x C size alkaline batteries. ■ Power supply: 3.3 V / 0.5 A.

### The kit includes:

- Gas pressure regulator (0-60 bar) compliant with EN ISO 2503 186588.
- 2 m charging hose SAE J2196/J2888 with ball valve with 1/4 SAE swivel connection.
- Black 1/4 SAE gauge with 15 cm hose and ball valve with gauge (Class 1.0) in scale sectors refrigerant gases R134a/R1234yf/R32/R410a/R404a R407c/R422/R507/R22 and nitrogen/hydrogen mixture (N<sub>2</sub>H<sub>2</sub>).
- Green 5/16 SAE gauge with 15 cm hose and ball valve with gauge (Class 1.0) in scale sectors refrigerant gases R134a/R1234yf/R32/R410a/R404a R407c/R422/R507/R22 and nitrogen/hydrogen mixture (N<sub>2</sub>H<sub>2</sub>).
- Disposable N<sub>2</sub>H<sub>2</sub> cylinder 950cc - 110 bar and adapter (M10x1 - W21.80 RH).
- Electronic leak detector.
- Plastic case (44.7 x 41.2 x 10.7 cm).



Art.-Nr.	Description	€	
RK1525	W21.7 x 1" 1/4 - UNI 4409 (IT)	-	01
RK1525.UK	G5/8" - BS 341 (UK)	-	01
RK1525.DE	W24.32 x 1" 1/4 - DIN 477 (DE)	-	01
RK1525.FR	Ø21.7 x 1.814 - NFE 29-650/C (FR)	-	01



## N<sub>2</sub> Pressure Kit HVAC/R

N<sub>2</sub> PRESSURE KIT is a kit to detect leaks in air conditioning and refrigeration systems under pressure with nitrogen (N<sub>2</sub>).

### The kit includes:

- Gas pressure regulator (0-60 bar) compliant with EN ISO 2503 186588.
- 2 m charging hose SAE J2196/J2888 with ball valve with 1/4 SAE swivel connection.
- Black 1/4 SAE gauge with 15 cm hose and ball valve with gauge (Class 1.0) in scale sectors refrigerant gases R134a/R1234yf/R32/R410a/R404a/R407c/R422/R507/R22 and nitrogen (N<sub>2</sub>).
- Green 5/16 SAE gauge with 15 cm hose and ball valve with gauge (Class 1.0) in scale sectors refrigerant gases R134a/R1234yf/R32/R410a/R404a/R407c/R422/R507/R22 and nitrogen (N<sub>2</sub>).
- Disposable N<sub>2</sub> cylinder 950cc - 110 bar.
- Adapter for disposable cylinder (M10x1 - W21,80 RHE).
- Storage and transport plastic case (44.7 x 41.2 x 10.7 cm).



Art.-Nr.	Description	€		
RK1527	N <sub>2</sub> Pressure Kit (IT)	-	01	-
RK1527.UK	N <sub>2</sub> Pressure Kit (UK)	-	01	-
RK1527.DE	N <sub>2</sub> Pressure Kit (DE)	-	01	-
RK1527.FR	N <sub>2</sub> Pressure Kit (FR)	-	01	-

## AC/R Systems Pressure Regulator & Tester



### Pressure regulator technical features:

- Inlet pressure: max 200 bar.
- Outlet pressure: max 60 bar.
- 1/4 SAE male fitting.

### The kit includes:

- 200 cm hose with 1/4 SAE ball valve.
- Ø 80 mm gauge with defined sectors and 1/4 SAE fitting.
- Adapter: 1/4 SAE male x 5/16 SAE female.

Art.-Nr.	Description	€	🗑️	🔧
RK1432.IT	W21.7 x 1"1/4 - UNI 4409 (IT)	-	01	-
RK1433.DE	W24.32 x 1"1/4 - DIN477 nr. 10 (DE)	-	01	-
RK1434.UK	G5/8" - BS 341 nr. 3 (UK)	-	01	-
RK1435.FR	Ø 21.7 x 1.814 - NF E 29-650/c (FR)	-	01	-

## Leak Testing Gauges

- Ball valve with 1/4 SAE male fitting.
- Pressure gauge Ø 80 mm, class 1.0 with defined sectors, positioning indicator and adjusting screw.
- Black or green rubber protective shell.



Art.-Nr.	Description	€	🗑️	🔧
MN1062.01	1/4 SAE fitting	-	01	-
MN1063.01	5/16 SAE (R410a/R32) fitting	-	01	-

## □ Nitrogen Pressure Regulator

### Technical features:

- Inlet pressure: max 200 bar.
- Outlet pressure: max 60 bar.
- 1/4 SAE male fitting.

Art.-Nr.	Description	€		
RK1325.IT	Connection W21.7 x 1"1/4 - UNI 4409 (IT)	-	01	-
RK1280.DE	Connection W24.32 x 1"1/4 - DIN477 nr. 10 (DE)	-	01	-
RK1281.UK	Connection G5/8" - BS 341 nr. 3 (UK)	-	01	-
RK1282.FR	Connection Ø 21.7 x 1.814 - NF E 29-650/c (FR)	-	01	-



## □ Nitrogen Pressure Regulator for Mini Cylinders

It is a pressure regulator for mini cylinders that contain nitrogen or nitrogen/hydrogen.

### Technical features:

- Inlet pressure: max 110 bar.
- Outlet pressure: max 10 bar.
- Hose length: 200 cm.
- Fitting: 1/4 SAE swivel ball valve.



Art.-Nr.	€		
MN1020.01	-	01	-

## □ N<sub>2</sub> (Nitrogen) and N<sub>2</sub>H<sub>2</sub> (Nitrogen-Hydrogen) Cylinder

Disposable cylinders filled to a pressure of 110 bar.

Art.-Nr.	Description	€		
BG1005.01	N <sub>2</sub> (Nitrogen) cylinder 950cc	-	12	-
BG1062.01	N <sub>2</sub> H <sub>2</sub> (Nitrogen-Hydrogen) cylinder 950cc	-	06	-
BG1069.01	N <sub>2</sub> H <sub>2</sub> (Nitrogen-Hydrogen) cylinder 2.2 L	-	12	-



### Adapters for Coupling Pressure Regulator and Mini Cylinder

Art.-Nr.	Description	€		
RP1029.01	W21.7 x 1"1/4 - UNI 4409 (IT)	-	01	-
RP1061.01	W24.32 x 1"1/4 - DIN477 nr. 10 (DE)	-	01	-
RP1062.01	G5/8" - BS 341 nr. 3 (UK)	-	01	-
RP1059.01	Ø 21.7 x 1.814 - NF E 29-650/c (FR)	-	01	-





### Manifold R744

- Ø 68 mm gauge. Class 1.0.
- Coloured rubber gauge protector.
- Pressure scale psi/bar.
- Temperature scale °C.
- 1/4 SAE adapters.

Art.-Nr.	Description	Refrigerant Scale	€
MN1131.01	Manifolds R744 - 1/4SAE	R134a & R1234yf	-



### Charging Hoses R744

Art.-Nr.	Description	€	☑
TBK463	3 Charging Hoses Set x R744 – 1/4 SAE	-	01



### Quick Coupler R744 (CO<sub>2</sub>)

Art.-Nr.	Description	€	☑
RA1082.S1	Quick Coupler AP 1/4 SAE for R744	-	01
RA1081.S1	Quick Coupler BP 1/4 SAE for R744	-	01



### R744 (CO<sub>2</sub>) Pressure Regulator

**Technical features:**

- Inlet pressure: max 300 bar.
- Outlet pressure: max 200 bar.
- 1/4 SAE male fitting.

Art.-Nr.	Description	€	☑	☑
MN1125.01	Joint W21.7 x 1"1/4 - UNI 4409 (IT)	-	01	-



### R744(CO<sub>2</sub>) Electronic Leak Detector

R744 (CO<sub>2</sub>) ELECTRONIC LEAK DETECTOR is an electronic device designed to detect R744 (CO<sub>2</sub>). The leak detector is equipped with a microprocessor that guarantees an accurate and very precise signal. Thanks to the 3 sensitivity levels and the multi-colour visual display this leak detector can guarantee the detection of leaks up to 5g/year.

**Technical features:**

- Semiconductor sensor.
- 40 cm stainless flexible probe.
- Operating temperature: from 0°C to 40°C.
- 3 sensitivity levels.
- Leak detection indicator: multi-colour visual display.
- Detectable refrigerant gas: R7444 (CO<sub>2</sub>).
- Power source: 1 rechargeable 3.7 Vdc lithium battery.
- Power supply: 5.0 V / 1.0 A.
- Plastic case (22.4 x 7.1 x 5.4 cm).
- Weight: 416 g (battery included).
- Auto-off: 10 minutes.

Art.-Nr.	€	☑
RK1456	-	01





# POE Lubricants

ERRECOM's synthetic polyolester (POE) refrigeration lubricants are characterised by high thermal, chemical and hydrolytic stability. Due to their good miscibility, POE lubricants are compatible with all chlorine-free refrigerants, FC refrigerants, and with HFC refrigerants such as R134a, R404a, R507, R410a, R407c. ERRECOM's POE lubricants can also be used with hydrocarbon refrigerants such as propane (R290) and propylene (R1270).

Furthermore, their use has already been successfully tested with low-GWP refrigerants such as HFOs (e.g. R1234yf, R1234ze). Lastly, ERRECOM's POEs have also been tested with new refrigerants designed to replace R22, such as R422a/D and R417a. Our POE lubricants are recommended for use in hermetic, semi-hermetic and open compressors as well as screw compressors and turbochargers (depending on viscosity).

Due to their high viscosity indices, ERRECOM POEs have excellent cold flow properties and a highly stable lubricating film under high-temperature conditions in hydrocarbon applications. ERRECOM's POE lubricants are characterised by high stability and excellent lubrication. POEs are hygroscopic, which means that they tend to absorb water more quickly than non-polar hydrocarbon-based refrigeration oils such as mineral ones, alkyl benzene and PAO. Precisely for this reason, all ERRECOM POEs are ultra-dry and filled in plastic bottles and metal tanks specially designed to ensure protection against moisture.

Physical Quantity Measured (Unit of Measurement)	Analytical Reference Method	POE 22	POE 32	POE 46	POE 55	POE 68	POE 100	POE 170	POE 220
ISO VG	-	22	32	46	55	68	100	170	220
Kinematic Viscosity @ 40°C (cSt)	ASTM-D445	22	32	46	53.9	68	100	170	226.2
Kinematic Viscosity @ 100°C (cSt)	ASTM-D445	4.23	5.5	7.3	8.2	9.5	11.51	16.66	19.34
Viscosity Index	ASTM-D2270	130	140	140	123	140	110	100	97
Pour Point (°C)	ASTM-D97	-48	-50	-45	-42	-42	-36	-36	-30
Flash Point (°C)	ASTM-D93	250	230	230	240	234	300	300	318
Density @ 15°C (g/cm³)	ASTM-D1298	0.95	0.955	0.965	0.965	0.975	0.968	0.96	0.975
Moisture Level (ppm)	ASTM-D6304	50	50	50	50	50	75	75	75
Total Acid (mg KOH/g)	ASTM-D974	<0.03	<0.03	<0.03	<0.03	<0.03	<0.04	<0.04	<0.04

## POE 22

Art.-Nr.	Qty.	€				Packaging	
OL6011.Q.P2	250 mL	-	24	2592	2592	Plastic Tank	
OL6011.M.P2	500 mL	-	12	972	1080		
OL6011.K.P2	1 L	-	12	756	756		
OL6011.UP.P2	1 Gal	-	02	196	196		
OL6011.I.P2	4 L	-	02	196	196		
OL6011.P.P2	5 L	-	02	140	140		
OL6011.K.01	1 L	-	12	672	672		
OL6011.P.01	5 L	-	02	152	152	Metal Tank	
OL6011.UV	5 Gal	-	01	-	-		
OL6011.V	20 L	-	01	24	24		
OL6011.T	25 L	-	01	24	24		
OL6011.B	200 L	-	01	04	04		
OL6011.IBC	1000 L	-	01	-	-		IBC Cube

## POE 32

Art.-Nr.	Qty.	€				Packaging	
OL6012.Q.P2	250 mL	-	24	2592	2592	Plastic Tank	
OL6012.M.P2	500 mL	-	12	972	1080		
OL6012.K.P2	1 L	-	12	756	756		
OL6012.UP.P2	1 Gal	-	02	196	196		
OL6012.I.P2	4 L	-	02	196	196		
OL6012.P.P2	5 L	-	02	140	140		
OL6012.K.01	1 L	-	12	672	672		
OL6012.P.01	5 L	-	02	152	152	Metal Tank	
OL6012.UV	5 Gal	-	01	-	-		
OL6012.V	20 L	-	01	24	24		
OL6012.T	25 L	-	01	24	24		
OL6012.B	200 L	-	01	04	04		
OL6012.IBC	1000 L	-	01	-	-		IBC Cube

## POE 46

Art.-Nr.	Qty.	€				Packaging	
OL6015.Q.P2	250 mL	-	24	2592	2592	Plastic Tank	
OL6015.M.P2	500 mL	-	12	972	1080		
OL6015.K.P2	1 L	-	12	756	756		
OL6015.UP.P2	1 Gal	-	02	196	196		
OL6015.I.P2	4 L	-	02	196	196		
OL6015.P.P2	5 L	-	02	140	140		
OL6015.K.01	1 L	-	12	672	672		
OL6015.P.01	5 L	-	02	152	152	Metal Tank	
OL6015.UV	5 Gal	-	01	-	-		
OL6015.V	20 L	-	01	24	24		
OL6015.T	25 L	-	01	24	24		
OL6015.B	200 L	-	01	04	04		
OL6015.IBC	1000 L	-	01	-	-		IBC Cube

## POE 55

Art.-Nr.	Qty.	€				Packaging	
OL6055.Q.P2	250 mL	-	24	2592	2592	Plastic Tank	
OL6055.M.P2	500 mL	-	12	972	1080		
OL6055.K.P2	1 L	-	12	756	756		
OL6055.UP.P2	1 Gal	-	02	196	196		
OL6055.I.P2	4 L	-	02	196	196		
OL6055.P.P2	5 L	-	02	140	140		
OL6055.K.01	1 L	-	12	672	672		
OL6055.P.01	5 L	-	02	152	152	Metal Tank	
OL6055.UV	5 Gal	-	01	-	-		
OL6055.V	20 L	-	01	24	24		
OL6055.T	25 L	-	01	24	24		
OL6055.B	200 L	-	01	04	04		
OL6055.IBC	1000 L	-	01	-	-		IBC Cube

## POE 68

Art.-Nr.	Qty.	€				Packaging
OL6016.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6016.M.P2	500 mL	-	12	972	1080	
OL6016.K.P2	1 L	-	12	756	756	
OL6016.UP.P2	1 Gal	-	02	196	196	
OL6016.I.P2	4 L	-	02	196	196	
OL6016.P.P2	5 L	-	02	140	140	
OL6016.K.01	1 L	-	12	672	672	Metal Tank
OL6016.P.01	5 L	-	02	152	152	
OL6016.UV	5 Gal	-	01	-	-	
OL6016.V	20 L	-	01	24	24	
OL6016.T	25 L	-	01	24	24	
OL6016.B	200 L	-	01	04	04	
OL6016.IBC	1000 L	-	01	-	-	IBC Cube

## POE 100

Art.-Nr.	Qty.	€				Packaging
OL6017.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6017.M.P2	500 mL	-	12	972	1080	
OL6017.K.P2	1 L	-	12	756	756	
OL6017.UP.P2	1 Gal	-	02	196	196	
OL6017.I.P2	4 L	-	02	196	196	
OL6017.P.P2	5 L	-	02	140	140	
OL6017.K.01	1 L	-	12	672	672	Metal Tank
OL6017.P.01	5 L	-	02	152	152	
OL6017.UV	5 Gal	-	01	-	-	
OL6017.V	20 L	-	01	24	24	
OL6017.T	25 L	-	01	24	24	
OL6017.B	200 L	-	01	04	04	
OL6017.IBC	1000 L	-	01	-	-	IBC Cube

## POE 170

Art.-Nr.	Qty.	€				Packaging
OL6020.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6020.M.P2	500 mL	-	12	972	1080	
OL6020.K.P2	1 L	-	12	756	756	
OL6020.UP.P2	1 Gal	-	02	196	196	
OL6020.I.P2	4 L	-	02	196	196	
OL6020.P.P2	5 L	-	02	140	140	
OL6020.K.01	1 L	-	12	672	672	Metal Tank
OL6020.P.01	5 L	-	02	152	152	
OL6020.UV	5 Gal	-	01	-	-	
OL6020.V	20 L	-	01	24	24	
OL6020.T	25 L	-	01	24	24	
OL6020.B	200 L	-	01	04	04	
OL6020.IBC	1000 L	-	01	-	-	IBC Cube

## POE 220

Art.-Nr.	Qty.	€				Packaging
OL6021.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6021.M.P2	500 mL	-	12	972	1080	
OL6021.K.P2	1 L	-	12	756	756	
OL6021.UP.P2	1 Gal	-	02	196	196	
OL6021.I.P2	4 L	-	02	196	196	
OL6021.P.P2	5 L	-	02	140	140	
OL6021.K.01	1 L	-	12	672	672	Metal Tank
OL6021.P.01	5 L	-	02	152	152	
OL6021.UV	5 Gal	-	01	-	-	
OL6021.V	20 L	-	01	24	24	
OL6021.T	25 L	-	01	24	24	
OL6021.B	200 L	-	01	04	04	
OL6021.IBC	1000 L	-	01	-	-	IBC Cube

## HFC - PVE

HFC Polyvinyl ether (HFC - PVE) is a refrigeration lubricant specifically formulated for use with HFC refrigerants and compressors operating at low temperatures. Formulated with antioxidant and anti-wear additives, it can be used in all hermetic compressors due to its low electrical conductivity.

HFC - PVE is soluble and compatible with all refrigeration lubricants commonly used in HVAC/R systems.

HFC - PVE does not hydrolyse and is characterised by an excellent stability in the presence of moisture.

It is also ideal for retrofitting.



Physical Quantity Measured (Unit of Measurement)	Analytical Reference Method	HFC - PVE 32	HFC - PVE 68
ISO VG	-	32	68
Kinematic Viscosity @ 40°C (cSt)	ASTM-D445	32.4	66.6
Kinematic Viscosity @ 100°C (cSt)	ASTM-D445	5.12	8.04
Viscosity Index	ASTM-D2270	78	84
Pour Point (°C)	ASTM-D97	-47.5	-37.5
Flash Point (°C)	ASTM-D93	178	206
Density @ 15°C (g/cm³)	ASTM-D1298	0.925	0.937
Moisture Level (ppm)	ASTM-D6304	>200	>200
Total Acid (mg KOH/g)	ASTM-D974	0.01	0.01

### HFC - PVE 32

Art.-Nr.	Qty.			Packaging
OL6097.K.01		12	672	Metal Tank
OL6097.P.01		02	152	
OL6097.UV		01	-	
OL6097.V		01	24	
OL6097.T		01	24	
OL6097.B		01	04	

### HFC - PVE 68

Art.-Nr.	Qty.			Packaging
OL6098.K.01		12	672	Metal Tank
OL6098.P.01		02	152	
OL6098.UV		01	-	
OL6098.V		01	24	
OL6098.T	2	01	24	
OL6098.B		01	04	

The Montreal Protocol bans CFCs and HCFCs aiming to protect the ozone layer while the Kyoto Protocol aims to reduce greenhouse gases and, thus, global warming. F-Gas II, on the other hand, aims to progressively reduce the use of HFCs and high GWP (global warming potential) refrigerants. These laws encourage the use of R744 (CO<sub>2</sub>).

## CO<sub>2</sub> - POE Lubricants

Carbon dioxide (R744) has been used as a refrigerant since the last century with the introduction of industrial refrigeration systems. R744 has excellent thermodynamic properties and is an environmentally friendly refrigerant (with the lowest GWP and ODP). Its use has grown as it is not only a natural refrigerant but also extremely effective, both in specially designed industrial systems such as supermarket refrigerators and heat pump water heaters. Errecom's CO<sub>2</sub> - POE lubricants are high-performance polyol ester-based synthetic lubricants specially developed for CO<sub>2</sub> applications. CO<sub>2</sub> - POEs are available in 5 different viscosity grades to meet the requirements of a full range of R744 systems. They are characterised by good miscibility, fluidity, and stability. Thanks to their branched molecular structure and the high-performance additive package included in the formulation, they also provide good lubrication with better overall performance than classic POEs over a wide temperature range.

More precisely, Errecom's CO<sub>2</sub> - POE lubricants contain excellent additive packages (anti-oxidants, anti-corrosives, anti-foaming) carefully selected to:

- optimise miscibility with CO<sub>2</sub>, thus increasing heat exchange even in the low-temperature zone;
- reduce the formation of foam, usually present at compressor start-up;
- increase its lubricating capacity;
- protect against materials, even under extreme operating conditions.

They are also characterised by low toxicity and high biodegradability.

CO<sub>2</sub> - POEs can be used for both subcritical (e.g. low-temperature cooling stages in supermarket cascade refrigeration systems) and transcritical (e.g. medium-temperature cooling stages in supermarkets) applications.

Physical Quantity Measured (Unit of Measurement)	Analytical Reference Method	CO <sub>2</sub> - POE 32	CO <sub>2</sub> - POE 55	CO <sub>2</sub> - POE 68	CO <sub>2</sub> - POE 85	CO <sub>2</sub> - POE 100
ISO VG	-	32	55	68	85	100
Kinematic Viscosity @ 40°C (cSt)	ASTM-D445	32	55	68.3	84	100
Kinematic Viscosity @ 100°C (cSt)	ASTM-D445	7	8.8	9.5	11.5	16
Viscosity Index	ASTM-D2270	150	142	122	119	112
Pour Point (°C)	ASTM-D97	-51	-49	-42	-39	-39
Flash Point (°C)	ASTM-D93	270	280	270	272	272
Density @ 15°C (g/cm <sup>3</sup> )	ASTM-D1298	0.983	0.982	0.987	0.991	0.986
Moisture Level (ppm)	ASTM-D6304	50	40	50	40	40
Total Acid (mg KOH/g)	ASTM-D974	<0.04	<0.03	<0.02	<0.03	<0.03

## CO<sub>2</sub> - PAG Lubricants

Carbon dioxide (R744) is the natural refrigerant identified as the future ozone-friendly technology. In the last years, the sector has recorded impressive technological development in CO<sub>2</sub>-based systems for commercial and industrial applications, especially as far as it concerns CO<sub>2</sub> refrigeration and heat pumps. CO<sub>2</sub> - PAG lubricants are composed of innovative double-end-capped polyalkylene glycols specially designed to operate under high pressure and high-temperature conditions typical of CO<sub>2</sub>.

They provide highly efficient lubrication for CO<sub>2</sub> compressors and optimised miscibility with the refrigerant to ensure wear protection even at the highest levels of CO<sub>2</sub> dilution, where alternative lubricants such as PAO or ABZ can reveal hydrodynamic lubrication loss.

Errecom's CO<sub>2</sub> - PAGs are OEM-approved for commercial and industrial refrigeration systems working with CO<sub>2</sub> and are available in different viscosities (between ISO 46-100).

CO<sub>2</sub> - PAGs are characterised by:

- double-end-capped technology with optimised miscibility with CO<sub>2</sub>: it maximises the oil return to the compressor to ensure full system efficiency, without loss of hydrodynamic or lubrication properties;
- excellent lubricating properties even under extreme pressure and high-temperature conditions;
- high-performance additives: they ensure excellent thermal, chemical and hydrolytic stability, and reduce downtime and maintenance costs;
- low hygroscopicity: it ensures lower water absorption than alternative R744 technologies (POE, PAO, Alkylbenzenes);
- compatibility with metal and plastic components: it ensures optimised system's stability and durability;
- high viscosity index and low pour point: they guarantee the full efficiency of the system and excellent lubricating properties even under extreme pressure.

Physical Quantity Measured (Unit of Measurement)	Analytical Reference Method	CO <sub>2</sub> - PAG 46	CO <sub>2</sub> - PAG 68	CO <sub>2</sub> - PAG 100
ISO VG	-	46	68	100
Kinematic Viscosity @ 40°C (cSt)	ASTM-D445	49.7	70	107.3
Kinematic Viscosity @ 100°C (cSt)	ASTM-D445	10.7	14	20
Viscosity Index	ASTM-D2270	213	210	216
Pour Point (°C)	ASTM-D97	-49	-46	-43
Flash Point (°C)	ASTM-D93	> 200	> 200	> 200
Density @ 15°C (g/cm <sup>3</sup> )	ASTM-D1298	0.998	0.998	0.999
Moisture Level (ppm)	ASTM-D6304	300	300	500
Total Acid (mg KOH/g)	ASTM-D974	0.02	0.02	0.1



## CO<sub>2</sub> - POE 32

Art.-Nr.	Qty.	€				Packaging
OL6079.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6079.M.P2	500 mL	-	12	972	1080	
OL6079.K.P2	1 L	-	12	756	756	
OL6079.UP.P2	1 Gal	-	02	196	196	
OL6079.I.P2	4 L	-	02	196	196	
OL6079.P.P2	5 L	-	02	140	140	
OL6079.K.01	1 L	-	12	672	672	Metal Tank
OL6079.P.01	5 L	-	02	152	152	
OL6079.UV	5 Gal	-	01	-	-	
OL6079.V	20 L	-	01	24	24	
OL6079.T	25 L	-	01	24	24	
OL6079.B	200 L	-	01	04	04	
OL6079.IBC	1000 L	-	01	-	-	IBC Cube

## CO<sub>2</sub> - POE 68

Art.-Nr.	Qty.	€				Packaging
OL6083.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6083.M.P2	500 mL	-	12	972	1080	
OL6083.K.P2	1 L	-	12	756	756	
OL6083.UP.P2	1 Gal	-	02	196	196	
OL6083.I.P2	4 L	-	02	196	196	
OL6083.P.P2	5 L	-	02	140	140	
OL6083.K.01	1 L	-	12	672	672	Metal Tank
OL6083.P.01	5 L	-	02	152	152	
OL6083.UV	5 Gal	-	01	-	-	
OL6083.V	20 L	-	01	24	24	
OL6083.T	25 L	-	01	24	24	
OL6083.B	200 L	-	01	04	04	
OL6083.IBC	1000 L	-	01	-	-	IBC Cube

## CO<sub>2</sub> - POE 46

Art.-Nr.	Qty.	€				Packaging
OL6036.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6036.M.P2	500 mL	-	12	972	1080	
OL6036.K.P2	1 L	-	12	756	756	
OL6036.UP.P2	1 Gal	-	02	196	196	
OL6036.I.P2	4 L	-	02	196	196	
OL6036.P.P2	5 L	-	02	140	140	
OL6036.K.01	1 L	-	12	672	672	Metal Tank
OL6036.P.01	5 L	-	02	152	152	
OL6036.UV	5 Gal	-	01	-	-	
OL6036.V	20 L	-	01	24	24	
OL6036.T	25 L	-	01	24	24	
OL6036.B	200 L	-	01	04	04	
OL6036.IBC	1000 L	-	01	-	-	IBC Cube

## CO<sub>2</sub> - PAG 68

Art.-Nr.	Qty.	€				Packaging
OL6037.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6037.M.P2	500 mL	-	12	972	1080	
OL6037.K.P2	1 L	-	12	756	756	
OL6037.UP.P2	1 Gal	-	02	196	196	
OL6037.I.P2	4 L	-	02	196	196	
OL6037.P.P2	5 L	-	02	140	140	
OL6037.K.01	1 L	-	12	672	672	Metal Tank
OL6037.P.01	5 L	-	02	152	152	
OL6037.UV	5 Gal	-	01	-	-	
OL6037.V	20 L	-	01	24	24	
OL6037.T	25 L	-	01	24	24	
OL6037.B	200 L	-	01	04	04	
OL6037.IBC	1000 L	-	01	-	-	IBC Cube

## CO<sub>2</sub> - POE 55

Art.-Nr.	Qty.	€				Packaging
OL6062.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6062.M.P2	500 mL	-	12	972	1080	
OL6062.K.P2	1 L	-	12	756	756	
OL6062.UP.P2	1 Gal	-	02	196	196	
OL6062.I.P2	4 L	-	02	196	196	
OL6062.P.P2	5 L	-	02	140	140	
OL6062.K.01	1 L	-	12	672	672	Metal Tank
OL6062.P.01	5 L	-	02	152	152	
OL6062.UV	5 Gal	-	01	-	-	
OL6062.V	20 L	-	01	24	24	
OL6062.T	25 L	-	01	24	24	
OL6062.B	200 L	-	01	04	04	
OL6062.IBC	1000 L	-	01	-	-	IBC Cube

## CO<sub>2</sub> - POE 85

Art.-Nr.	Qty.	€				Packaging
OL6063.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6063.M.P2	500 mL	-	12	972	1080	
OL6063.K.P2	1 L	-	12	756	756	
OL6063.UP.P2	1 Gal	-	02	196	196	
OL6063.I.P2	4 L	-	02	196	196	
OL6063.P.P2	5 L	-	02	140	140	
OL6063.K.01	1 L	-	12	672	672	Metal Tank
OL6063.P.01	5 L	-	02	152	152	
OL6063.UV	5 Gal	-	01	-	-	
OL6063.V	20 L	-	01	24	24	
OL6063.T	25 L	-	01	24	24	
OL6063.B	200 L	-	01	04	04	
OL6063.IBC	1000 L	-	01	-	-	IBC Cube

## CO<sub>2</sub> - POE 100

Art.-Nr.	Qty.	€				Packaging
OL6084.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6084.M.P2	500 mL	-	12	972	1080	
OL6084.K.P2	1 L	-	12	756	756	
OL6084.UP.P2	1 Gal	-	02	196	196	
OL6084.I.P2	4 L	-	02	196	196	
OL6084.P.P2	5 L	-	02	140	140	
OL6084.K.01	1 L	-	12	672	672	Metal Tank
OL6084.P.01	5 L	-	02	152	152	
OL6084.UV	5 Gal	-	01	-	-	
OL6084.V	20 L	-	01	24	24	
OL6084.T	25 L	-	01	24	24	
OL6084.B	200 L	-	01	04	04	
OL6084.IBC	1000 L	-	01	-	-	IBC Cube

## CO<sub>2</sub> - PAG 100

Art.-Nr.	Qty.	€				Packaging
OL6078.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6078.M.P2	500 mL	-	12	972	1080	
OL6078.K.P2	1 L	-	12	756	756	
OL6078.UP.P2	1 Gal	-	02	196	196	
OL6078.I.P2	4 L	-	02	196	196	
OL6078.P.P2	5 L	-	02	140	140	
OL6078.K.01	1 L	-	12	672	672	Metal Tank
OL6078.P.01	5 L	-	02	152	152	
OL6078.UV	5 Gal	-	01	-	-	
OL6078.V	20 L	-	01	24	24	
OL6078.T	25 L	-	01	24	24	
OL6078.B	200 L	-	01	04	04	
OL6078.IBC	1000 L	-	01	-	-	IBC Cube

# HC - PAG Lubricants

HC - PAG lubricants are blends of polyalkylene glycols chosen among the best-performing and most innovative organic molecules on the market. In addition to the double-end-capped technology, they are characterised by excellent additive packages.

The additives contained in HC - PAGs, regardless of their viscosity, make it possible to:

- increase lubricity
- improve chemical stability
- reduce hygroscopicity
- increase the anti-wear and anti-corrosion protection
- ensure high solubility and miscibility.

Over time, PAG lubricants, which have originally been developed for automotive applications, have also proved excellent for use with natural refrigerants, such as propane and butane.

HC - PAGs are characterised by:

- insoluble base in water: ensures high lubrication performance in HVAC/R compressors;
- high viscosity index: ensures excellent lubrication, low wear and excellent performance at extreme pressures;
- specific additives for HVAC/R applications: provides excellent thermal conductivity and protection against oxidation and corrosion;
- high flash point for safe use even at high temperatures;
- double-end-capped technology: ensures low hygroscopicity, high chemical and thermal stability and optimised miscibility with refrigerant gases;
- biodegradable and safe formulation for humans and the environment.

Physical Quantity Measured (Unit of Measurement)	Analytical Reference Method	HC - PAG 68	HC - PAG 100	HC - PAG 150
<b>ISO VG</b>	-	68	100	150
<b>Kinematic Viscosity @ 40°C (cSt)</b>	ASTM-D445	68	100	150
<b>Kinematic Viscosity @ 100°C (cSt)</b>	ASTM-D445	12.4	18.5	25
<b>Viscosity Index</b>	ASTM-D2270	181	202	200
<b>Pour Point (°C)</b>	ASTM-D97	-40	-45	-40
<b>Flash Point (°C)</b>	ASTM-D93	215	228	230
<b>Density @ 15°C (g/cm<sup>3</sup>)</b>	ASTM-D1298	0.999	0.994	1.005
<b>Moisture Level (ppm)</b>	ASTM-D6304	300	300	300
<b>Total Acid (mg KOH/g)</b>	ASTM-D974	0.05	0.05	0.05

## HC - PAG 68

Art.-Nr.	Qty.	€				Packaging
OL6069.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6069.M.P2	500 mL	-	12	972	1080	
OL6069.K.P2	1 L	-	12	756	756	
OL6069.UP.P2	1 Gal	-	02	196	196	
OL6069.I.P2	4 L	-	02	196	196	
OL6069.P.P2	5 L	-	02	140	140	
OL6069.K.01	1 L	-	12	672	672	
OL6069.P.01	5 L	-	02	152	152	Metal Tank
OL6069.UV	5 Gal	-	01	-	-	
OL6069.V	20 L	-	01	24	24	
OL6069.T	25 L	-	01	24	24	
OL6069.B	200 L	-	01	04	04	
OL6069.IBC	1000 L	-	01	-	-	

## HC - PAG 100

Art.-Nr.	Qty.	€				Packaging
OL6089.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6089.M.P2	500 mL	-	12	972	1080	
OL6089.K.P2	1 L	-	12	756	756	
OL6089.UP.P2	1 Gal	-	02	196	196	
OL6089.I.P2	4 L	-	02	196	196	
OL6089.P.P2	5 L	-	02	140	140	
OL6089.K.01	1 L	-	12	672	672	
OL6089.P.01	5 L	-	02	152	152	Metal Tank
OL6089.UV	5 Gal	-	01	-	-	
OL6089.V	20 L	-	01	24	24	
OL6089.T	25 L	-	01	24	24	
OL6089.B	200 L	-	01	04	04	
OL6089.IBC	1000 L	-	01	-	-	

## HC - PAG 150

Art.-Nr.	Qty.	€				Packaging
OL6077.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6077.M.P2	500 mL	-	12	972	1080	
OL6077.K.P2	1 L	-	12	756	756	
OL6077.UP.P2	1 Gal	-	02	196	196	
OL6077.I.P2	4 L	-	02	196	196	
OL6077.P.P2	5 L	-	02	140	140	
OL6077.K.01	1 L	-	12	672	672	
OL6077.P.01	5 L	-	02	152	152	Metal Tank
OL6077.UV	5 Gal	-	01	-	-	
OL6077.V	20 L	-	01	24	24	
OL6077.T	25 L	-	01	24	24	
OL6077.B	200 L	-	01	04	04	
OL6077.IBC	1000 L	-	01	-	-	



# NH<sub>3</sub> - PAG Lubricants

To address climate problems associated with ozone depletion and global warming, alternative refrigerant gases have emerged in the HVAC/R sector, including low-GWP HFCs such as R1234yf and halogen-free refrigerant gases, including NH<sub>3</sub> (R717), propane (R290), isobutane (R600a) and carbon dioxide (R744).

Errecom's NH<sub>3</sub> - PAG lubricants, which have been specially formulated to be used with NH<sub>3</sub>, are based on the 'capped PAG' technology. This technology is characterized by chemically inactive groups at both ends of the molecule, unlike typical polyalkylene glycols generally consisting of polymer chains with a terminal hydroxyl group (chemically active end).




Therefore, NH<sub>3</sub> - PAG lubricants provide excellent lubrication for compression refrigeration systems and better lubrication properties for ammonia refrigeration systems.

NH<sub>3</sub> - PAG lubricants offer the following pros:




- good miscibility with NH<sub>3</sub> over a wide range of lubricant concentrations and temperatures;
- low hygroscopicity compared to the inclination of uncapped PAG to absorb water;
- high chemical, thermal and hydrolytic stability;
- excellent lubrication power.

Physical Quantity Measured (Unit of Measurement)	Analytical Reference Method	NH <sub>3</sub> - PAG 46	NH <sub>3</sub> - PAG 100
<b>ISO VG</b>	-	46	100
<b>Kinematic Viscosity @ 40°C (cSt)</b>	ASTM-D445	49.7	107.3
<b>Kinematic Viscosity @ 100°C (cSt)</b>	ASTM-D445	10.7	20
<b>Viscosity Index</b>	ASTM-D2270	213	216
<b>Pour Point (°C)</b>	ASTM-D97	-45	-45
<b>Flash Point (°C)</b>	ASTM-D93	226	>200
<b>Density @ 15°C (g/cm<sup>3</sup>)</b>	ASTM-D1298	0.998	0.999
<b>Moisture Level (ppm)</b>	ASTM-D6304	300	300
<b>Total Acid (mg KOH/g)</b>	ASTM-D974	<0.1	<0.1

## NH<sub>3</sub> - PAG 46

Art.-Nr.	Qty.	€				Packaging
OL6092.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6092.M.P2	500 mL	-	12	972	1080	
OL6092.K.P2	1 L	-	12	756	756	
OL6092.UP.P2	1 Gal	-	02	196	196	
OL6092.I.P2	4 L	-	02	196	196	
OL6092.P.P2	5 L	-	02	140	140	
OL6092.K.01	1 L	-	12	672	672	Metal Tank
OL6092.P.01	5 L	-	02	152	152	
OL6092.UV	5 Gal	-	01	-	-	
OL6092.V	20 L	-	01	24	24	
OL6092.T	25 L	-	01	24	24	IBC Cube
OL6092.B	200 L	-	01	04	04	
OL6092.IBC	1000 L	-	01	-	-	

## NH<sub>3</sub> - PAG 100

Art.-Nr.	Qty.	€				Packaging
OL6093.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6093.M.P2	500 mL	-	12	972	1080	
OL6093.K.P2	1 L	-	12	756	756	
OL6093.UP.P2	1 Gal	-	02	196	196	
OL6093.I.P2	4 L	-	02	196	196	
OL6093.P.P2	5 L	-	02	140	140	
OL6093.K.01	1 L	-	12	672	672	Metal Tank
OL6093.P.01	5 L	-	02	152	152	
OL6093.UV	5 Gal	-	01	-	-	
OL6093.V	20 L	-	01	24	24	
OL6093.T	25 L	-	01	24	24	IBC Cube
OL6093.B	200 L	-	01	04	04	
OL6093.IBC	1000 L	-	01	-	-	



## 240 mL Lubricant Cartridges



### EASYGUN

EasyGun is Errecom's tool for inserting 240 mL cartridges of additives, UV leak detector dyes, and lubricants in AC/R systems.

Art.-Nr.	Description	€			
IN1032.01	EasyGun	-	01	-	-
TB5203.01	1/4 SAE Adapter	-	01	2394	2394
TB5204.01	5/16 SAE Adapter	-	01	2394	2394

### PAG

Art.-Nr.	Description	€			
OL6069.DQ.01	HC - PAG 68	-	06	2394	2394
OL6089.DQ.01	HC - PAG 100	-	06	2394	2394
OL6077.DQ.01	HC - PAG 150	-	06	2394	2394
OL6036.DQ.01	CO <sub>2</sub> - PAG 46	-	06	2394	2394
OL6037.DQ.01	CO <sub>2</sub> - PAG 68	-	06	2394	2394
OL6078.DQ.01	CO <sub>2</sub> - PAG 100	-	06	2394	2394

### POE

Art.-Nr.	Description	€			
OL6011.DQ.01	POE 22	-	06	2394	2394
OL6012.DQ.01	POE 32	-	06	2394	2394
OL6015.DQ.01	POE 46	-	06	2394	2394
OL6055.DQ.01	POE 55	-	06	2394	2394
OL6016.DQ.01	POE 68	-	06	2394	2394
OL6017.DQ.01	POE 100	-	06	2394	2394
OL6020.DQ.01	POE 170	-	06	2394	2394
OL6021.DQ.01	POE 220	-	06	2394	2394
OL6062.DQ.01	CO <sub>2</sub> - POE 55	-	06	2394	2394
OL6063.DQ.01	CO <sub>2</sub> - POE 85	-	06	2394	2394

### MINERAL OIL

Art.-Nr.	Description	€			
OL6064.DQ.01	MINERAL 32/3	-	06	2394	2394
OL6065.DQ.01	MINERAL 46	-	06	2394	2394
OL6066.DQ.01	MINERAL 55/4	-	06	2394	2394
OL6067.DQ.01	MINERAL 68	-	06	2394	2394
OL6068.DQ.01	MINERAL 100/5	-	06	2394	2394



# Mineral Oil

Physical Quantity Measured (Unit of Measurement)	Analytical Reference Method	MINERAL 32/3	MINERAL 46	MINERAL 55/4	MINERAL 68	MINERAL 100/5
ISO VG	-	32	46	55	68	100
Kinematic Viscosity @ 40°C (cSt)	ASTM-D445	32	46	55	68	99
Kinematic Viscosity @ 100°C (cSt)	ASTM-D445	4.6	5.4	6.2	6.6	8.8
Viscosity Index	ASTM-D2270	95	94	96	95	94
Pour Point (°C)	ASTM-D97	-45	-36	-32	-30	-30
Flash Point (°C)	ASTM-D93	190	194	198	200	220
Density @ 15°C (g/cm³)	ASTM-D1298	0.904	0.91	0.91	0.915	0.905
Moisture Level (ppm)	ASTM-D6304	16	16	18	17	10
Total Acid (mg KOH/g)	ASTM-D974	0.02	0.02	0.02	0.02	0.02
Colour (APHA)	ASTM-D1500	0.5	< 1.0	-	1.0	< 1.0




ERRECOM's mineral oils are highly refined hydrotreated naphthenic bases enhanced by additives that ensure:

- high ageing stability,
- low pour point,
- excellent low-temperature behaviour,
- good compatibility with ammonia (NH<sub>3</sub>), HCFCs (e.g. R22), hydrocarbons (e.g. propane R290, propylene R1270).




The high solvent power and excellent low-temperature properties lead to good floc points for the refrigerant-oil mixture. As it is wax-free, ERRECOM's mineral oil has a low pour point and good cold pour properties.

At high temperatures, ERRECOM's mineral oil has a higher flash point than other products on the market and high thermal and chemical stability. It does not corrode iron, copper, and aluminium.




## MINERAL 32/3

Art.-Nr.	Qty.	€				Packaging
OL6064.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6064.M.P2	500 mL	-	12	972	1080	
OL6064.K.P2	1 L	-	12	756	756	
OL6064.UP.P2	1 Gal	-	02	196	196	
OL6064.I.P2	4 L	-	02	196	196	
OL6064.P.P2	5 L	-	02	140	140	
OL6064.K.01	1 L	-	12	672	672	Metal Tank
OL6064.P.01	5 L	-	02	152	152	
OL6064.UV	5 Gal	-	01	-	-	
OL6064.V	20 L	-	01	24	24	
OL6064.T	25 L	-	01	24	24	
OL6064.B	200 L	-	01	04	04	
OL6064.IBC	1000 L	-	01	-	-	IBC Cube




## MINERAL 55/4

Art.-Nr.	Qty.	€				Packaging
OL6066.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6066.M.P2	500 mL	-	12	972	1080	
OL6066.K.P2	1 L	-	12	756	756	
OL6066.UP.P2	1 Gal	-	02	196	196	
OL6066.I.P2	4 L	-	02	196	196	
OL6066.P.P2	5 L	-	02	140	140	
OL6066.K.01	1 L	-	12	672	672	Metal Tank
OL6066.P.01	5 L	-	02	152	152	
OL6066.UV	5 Gal	-	01	-	-	
OL6066.V	20 L	-	01	24	24	
OL6066.T	25 L	-	01	24	24	
OL6066.B	200 L	-	01	04	04	
OL6066.IBC	1000 L	-	01	-	-	IBC Cube




## MINERAL 46

Art.-Nr.	Qty.	€				Packaging
OL6065.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6065.M.P2	500 mL	-	12	972	1080	
OL6065.K.P2	1 L	-	12	756	756	
OL6065.UP.P2	1 Gal	-	02	196	196	
OL6065.I.P2	4 L	-	02	196	196	
OL6065.P.P2	5 L	-	02	140	140	
OL6065.K.01	1 L	-	12	672	672	Metal Tank
OL6065.P.01	5 L	-	02	152	152	
OL6065.UV	5 Gal	-	01	-	-	
OL6065.V	20 L	-	01	24	24	
OL6065.T	25 L	-	01	24	24	
OL6065.B	200 L	-	01	04	04	
OL6065.IBC	1000 L	-	01	-	-	IBC Cube

## MINERAL 68

Art.-Nr.	Qty.	€				Packaging
OL6067.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6067.M.P2	500 mL	-	12	972	1080	
OL6067.K.P2	1 L	-	12	756	756	
OL6067.UP.P2	1 Gal	-	02	196	196	
OL6067.I.P2	4 L	-	02	196	196	
OL6067.P.P2	5 L	-	02	140	140	
OL6067.K.01	1 L	-	12	672	672	Metal Tank
OL6067.P.01	5 L	-	02	152	152	
OL6067.UV	5 Gal	-	01	-	-	
OL6067.V	20 L	-	01	24	24	
OL6067.T	25 L	-	01	24	24	
OL6067.B	200 L	-	01	04	04	
OL6067.IBC	1000 L	-	01	-	-	IBC Cube

## MINERAL 100/5

Art.-Nr.	Qty.	€				Packaging
OL6068.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6068.M.P2	500 mL	-	12	972	1080	
OL6068.K.P2	1 L	-	12	756	756	
OL6068.UP.P2	1 Gal	-	02	196	196	
OL6068.I.P2	4 L	-	02	196	196	
OL6068.P.P2	5 L	-	02	140	140	
OL6068.K.01	1 L	-	12	672	672	Metal Tank
OL6068.P.01	5 L	-	02	152	152	
OL6068.UV	5 Gal	-	01	-	-	
OL6068.V	20 L	-	01	24	24	
OL6068.T	25 L	-	01	24	24	
OL6068.B	200 L	-	01	04	04	
OL6068.IBC	1000 L	-	01	-	-	IBC Cube

# Vacuum Pump Oil

ERRECOM's Vacuum Pump Oils are blends of carefully selected mineral oils with low vapour pressure and a tight distillation range to ensure the best performance in terms of lubrication of vacuum pumps, including rotary vane pumps.

## The main features of Errecom's mineral oils are:

- High thermal stability: it can be used in closed systems operating even at high temperatures and high pressures avoiding the growth of deposits and sludge;
- high oxidation stability: it extends the charge in operation, thus preventing the viscosity of the product from increasing too early;
- high hydrolytic stability: it protects the oil from decomposition, even in the presence of small percentages of water;
- good demulsibility: it quickly separates oil from the water that may have entered the system, further inhibiting the oxidation process;
- higher filterability even in the presence of water (compared to previous lubricants): it avoids clogging of the filters and extends filter replacement intervals;
- anti-corrosion and anti-rust power: it protects all metal components of the system;
- anti-foam properties: avoids the formation/presence of foam and therefore of air that would reduce the system's efficiency due to the compressibility different from that of oil.

Physical Quantity Measured (Unit of Measurement)	Analytical Reference Method	ISO 32	ISO 46	ISO 68	HIGH VISCOSITY ISO 46 HD
<b>ISO VG</b>	-	32	46	68	46
<b>Kinematic Viscosity @ 40°C (cSt)</b>	ASTM-D445	32.2	46.4	67.9	46.8
<b>Kinematic Viscosity @ 100°C (cSt)</b>	ASTM-D445	5.5	7.2	8V8	7.6
<b>Viscosity Index</b>	ASTM-D2270	105	103	102	133
<b>Pour Point (°C)</b>	ASTM-D97	-31	-26	-25	-16
<b>Flash Point (°C)</b>	ASTM-D93	210	215	220	225
<b>Density @ 15°C (g/cm³)</b>	ASTM-D1298	0.870	0.872	0.877	0.845

## ISO 32

Art.-Nr.	Qty.	€				Packaging
OL6053.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6053.M.P2	500 mL	-	12	972	1080	
OL6053.K.P2	1 L	-	12	756	756	
OL6053.UP.P2	1 Gal	-	02	196	196	
OL6053.I.P2	4 L	-	02	196	196	
OL6053.P.P2	5 L	-	02	140	140	
OL6053.UV	5 Gal	-	01	-	-	Metal Tank
OL6053.V	20 L	-	01	24	24	
OL6053.T	25 L	-	01	24	24	
OL6053.B	200 L	-	01	04	04	
OL6053.IBC	1000 L	-	01	-	-	IBC Cube

## ISO 46

Art.-Nr.	Qty.	€				Packaging
OL6054.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL6054.M.P2	500 mL	-	12	972	1080	
OL6054.K.P2	1 L	-	12	756	756	
OL6054.UP.P2	1 Gal	-	02	196	196	
OL6054.I.P2	4 L	-	02	196	196	
OL6054.P.P2	5 L	-	02	140	140	
OL6054.UV	5 Gal	-	01	-	-	Metal Tank
OL6054.V	20 L	-	01	24	24	
OL6054.T	25 L	-	01	24	24	
OL6054.B	200 L	-	01	04	04	
OL6054.IBC	1000 L	-	01	-	-	IBC Cube

## ISO 68

Art.-Nr.	Qty.	€				Packaging
OL1008.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL1008.M.P2	500 mL	-	12	972	1080	
OL1008.K.P2	1 L	-	12	756	756	
OL1008.UP.P2	1 Gal	-	02	196	196	
OL1008.I.P2	4 L	-	02	196	196	
OL1008.P.P2	5 L	-	02	140	140	
OL1008.UV	5 Gal	-	01	-	-	Metal Tank
OL1008.V	20 L	-	01	24	24	
OL1008.T	25 L	-	01	24	24	
OL1008.B	200 L	-	01	04	04	
OL1008.IBC	1000 L	-	01	-	-	IBC Cube

## ISO 46 HD HIGH VISCOSITY INDEX

Art.-Nr.	Qty.	€				Packaging
OL1010.Q.P2	250 mL	-	24	2592	2592	Plastic Tank
OL1010.M.P2	500 mL	-	12	972	1080	
OL1010.K.P2	1 L	-	12	756	756	
OL1010.UP.P2	1 Gal	-	02	196	196	
OL1010.I.P2	4 L	-	02	196	196	
OL1010.P.P2	5 L	-	02	140	140	
OL1010.UV	5 Gal	-	01	-	-	Metal Tank
OL1010.V	20 L	-	01	24	24	
OL1010.T	25 L	-	01	24	24	
OL1010.B	200 L	-	01	04	04	
OL1010.IBC	1000 L	-	01	-	-	IBC Cube

## Oil Charging Pumps

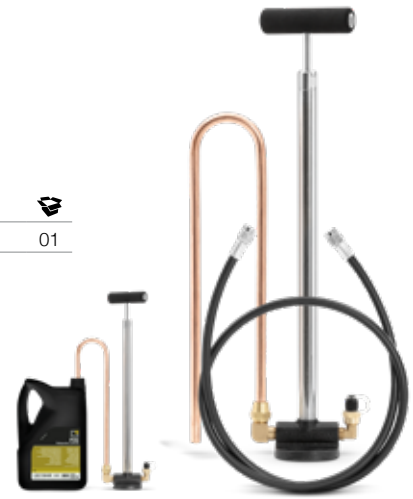
Oil charging pumps facilitate the oil loading into the compressor of refrigeration systems by transferring it directly from the container, thus eliminating the risk of contamination with air and humidity.

- Fits the size of each container.
- Capacity per shot: 50 mL.
- 1/4" SAE Male thread.
- Maximum output pressure: 10 bar (145 psi).
- Length of closed pump: 41 cm.
- Hose length supplied: 150 cm 1/4 SAE x 1/4 SAE.
- Can be used with 10-20-25 L containers.
- Compatible with all types of refrigerant gases.
- Capacity per shot: 75 mL.
- 3/8" or 1/4" SAE Male thread (reduction included).
- Maximum output pressure: 17 bar (250 psi).
- Hose length: 150 cm 1/4 SAE x 1/4 SAE.

Art.-Nr.	€	
PM1012.01	-	01



Art.-Nr.	€	
PM1013.01	-	01



## POE ↔ PAG Id

Test for checking the Type of Refrigeration Lubricant inside an AC/R System

- Recommended when performing maintenance on AC/R systems whose refrigeration lubricant is unknown.
- Works with all POE and PAG lubricants.
- Easy to use.
- Quick and accurate results in a few seconds:
  - clear-looking mixture indicates PAG;
  - murky-looking mixture indicates POE.
- Contains 4 tests.



Art.-Nr.	€			
RK1411.S1	-	12	2160	2160

## Oil Test

Test for checking the Type of Refrigeration Lubricant inside an AC/R System

- Recommended when performing maintenance on AC/R systems whose refrigeration lubricant is unknown.
- Works with all POE, ABZ and mineral oils.
- Saves time and money by avoiding laboratory tests or the use of a refractometer.
- Avoids making the common and expensive mistake of mixing POE lubricant with mineral oils.
- Provides reliable results in just a few seconds.
- Compatible with all types of refrigerant gases.
- Contains 2 tests.



Art.-Nr.	€			
RK1055.S1	-	12	2160	2160



**PATENTED**



## Flushing Test

Test for Verifying the Cleaning of Refrigeration Lines in AC/R Systems

- Certifies the proper cleaning of condensers, evaporators, and refrigerant lines.
- Detects contaminants (moisture, acidity, rust, dust, metal ions and oxides) in AC/R system components and pipes.
- Clear and instant result: if the colour changes, the system is not clean; if the colour does not change, you can start the system.



Art.-Nr.	Description	€			
TR1233.N.M0	400 mL can with rubber cone	-	12	1008	1176



If the colour changes, flush the system.



If the colour doesn't change, start the system.

# Belnet

## Quick Evaporating Flushing Fluid

- Evaporates quickly and completely and does not leave residues.
- Removes old oil, debris, and contaminants.
- Safe for all air conditioning and refrigeration systems.
- Requires manual or pneumatic systems for insertion.
- Flammable.

Art.-Nr.	Description	€			
TR1009.01	1 L metal bottle	-	12	672	768
TR1055.01	5 L metal tank	-	02	168	196

### Belnet Aerosol

- Ideal for cleaning small refrigeration lines.
- Ready to use.
- High flushing pressure (8 bar/116 psi).
- Constant pressure until the cylinder is completely empty.
- Does not require additional equipment for insertion.

Art.-Nr.	Description	€			
TR1009.U.M0	600 mL can with rubber cone	-	12	1008	1176
TR1009.U.M1	600 mL can with thread	-	12	1008	1176
TR1009.YW.M0	750 mL can with rubber cone	-	12	840	840
TR1009.YW.M1	750 mL can with thread	-	12	840	840

Art.-Nr.	Description	€	
RP1042.01	1/4 SAE adapter <sup>(A)</sup>	-	01
RP1046.01	Flush Gun <sup>(B)</sup>	-	01
RP1048.01	Flush Gun with hose and ball valve <sup>(C)</sup>	-	01



# Safenet

## Quick Evaporating and Non-flammable Flushing Fluid

- Evaporates quickly and completely and does not leave residues.
- Non-flammable.
- Removes old oil, debris, and contaminants.
- Safe for all air conditioning and refrigeration systems.
- Requires manual or pneumatic systems for insertion.

Art.-Nr.	Description	€			
TR1187.K.01	1 L metal bottle	-	12	672	768
TR1187.P.01	5 L metal tank	-	02	168	196
TR1187.V	25 L metal tank	-	01	24	24

### Safenet FLUSH

- Ideal for cleaning small refrigeration lines.
- Ready to use.
- High flushing pressure (8 bar/116 psi).
- Constant pressure until the cylinder is completely empty.
- Does not require additional equipment for insertion.

Art.-Nr.	Description	€			
TR1187.U.M0	600 mL can with rubber cone	-	12	1008	1176
TR1187.U.M1	600 mL can with thread	-	12	1008	1176
TR1187.YW.M0	750 mL can with rubber cone	-	12	840	840
TR1187.YW.M1	750 mL can with thread	-	12	840	840





## Top Flush

### Flushing Fluid Alternative to Decafluoropentane

- Green and non-flammable formulation (hydrocarbon-based): zero ODP (ozone-depleting potential) and low GWP (global warming potential).
- Evaporates quickly and completely and does not leave residues.
- Low boiling point and high volatility.
- Removes particles and dust.
- High degreasing power.
- Removes even residual water trapped in the thinnest cracks.
- Effective even after numerous boiling cycles.
- Low surface tension.
- Excellent chemical and thermal stability, and low viscosity.
- Safe for all air conditioning and refrigeration systems.
- Requires manual or pneumatic systems for insertion.



Art.-Nr.	Description	€	🗑️	♻️	♻️*
TR1184.K.01	1 L metal bottle	-	12	672	768
TR1184.P.01	5 L metal tank	-	02	168	196
TR1184.T	25 L metal tank	-	01	24	24



## Alpha Flush

### Fluid for Automatic Flushing Units

- Removes old oil, debris, and contaminants.
- Any residues are compatible with all refrigerant gases.
- Non-flammable.
- No ADR.
- Safe for all automatic flushing units.



Art.-Nr.	Description	€	🗑️	♻️	♻️*
TR1142.K.01	1 L metal bottle	-	12	672	768
TR1142.P.01	5 L metal tank	-	02	168	196



## Easy Flush

### Flushing Unit for AC/R Systems with Electric Pump

EASY FLUSH is a flushing unit for AC/R systems with a manually controlled electric pump. It allows flushing the circuit clockwise and anticlockwise.

#### Technical features:

- Power supply: 230/240 V - 50/60 Hz.
- 20 L internal tank.
- Pump capacity: 14 L/min.
- Pump power: 0.75 Kw.
- Max pump pressure: 0.45 MPa.
- Mechanical seal pump with EPDM gaskets.
- Mechanical suction filter.
- Connection for external nitrogen cylinder.
- External taps to reverse the flushing cycle without disconnecting the hoses.
- 3 m flexible hoses with 1/4 SAE ball valves.
- Adapter kit for connecting to AC/R systems.
- Interchangeable fittings: 1/4 SAE - 3/8 SAE - 1/2 SAE (2 pieces each).
- Weight: 20Kg. Built-in cart.

#### CAUTION!

Use this flushing unit exclusively with Alpha Flush (p.38).

Art.-Nr.	€	🗑️
VP1027.01	-	01




## Easy Air Flush

### Pneumatic Flushing Unit for AC/R System

EASY AIR FLUSH is the new pneumatic flushing unit for A/C systems that can operate with any of Errecom's flushing fluids, including BELNET, the flammable flushing fluid. This flushing unit ensures simple and effective flushing of refrigerant lines by switching from the flushing function to fluxing via a single diverter valve. EASY AIR FLUSH can be flexibly supplied by either nitrogen kit or compressed air. The flushing fluid can be added into the removable tank or sucked directly from the fluid tank itself, thanks to the self-priming pump.

#### Features:

- Compatible with BELNET, Errecom's flammable flushing fluid.
- Excellent flushing performance.
- Easy to use: thanks to the diverter valve, you can easily switch from flushing to fluxing mode.
- Integrated, removable 5 L tank.
- Easy-to-maintain filter included.
- Fluid can be aspirated directly from the tank.
- The flushing fluid is not overheated by the pump, maintaining its features.
- Can be used without power supply.
- Can be used with either a nitrogen kit or compressed air.
- 1500 mm hoses and universal cones included.
- Can be used for both mobile and fixed systems
- Compact, lightweight, and easy to transport.

Art.-Nr.	€	
VP1064.01	-	01



## Flush Pump

FLUSH PUMP is a cost-effective flushing system for large air-conditioning systems.

#### Technical Features:

- Power supply: 230/240 V – 50/60 Hz.
- Pump capacity: 14 L/min. Maximum pump power: 0.75 kW.
- Maximum pump pressure: 0.45 MPa.
- Mechanical seal pump with EPDM gaskets.
- 2.5 m flexible hoses with female 1/4 SAE connections.
- Interchangeable connections: 1/4 SAE -3/8 SAE- 1/2 SAE (2 pcs each).
- Storage and travel case.

Art.-Nr.	€	
VP1028.01	-	01



## Fast Flush Kit

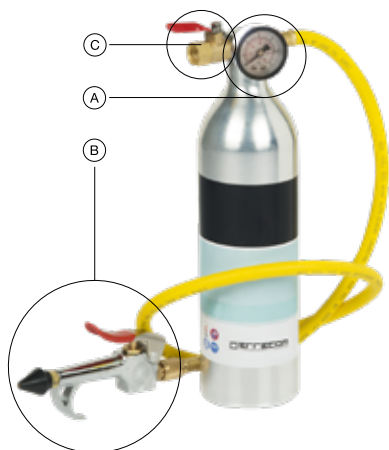
### Universal Cleaning and Flushing Kit

#### The kit includes:

- Belnet Aerosol can with thread.
- Flush Gun with hose and ball valve.
- Disposable nitrogen cylinder 950cc.
- Mini pressure reducer 0÷10 bar.
- Adapter for 1/4 SAE swivel hose.
- Quick coupler BP R134a.
- 1/4 SAE M x 5/16 SAE F 90° adapter.
- Transport plastic case.

Art.-Nr.	€	
RK1078	-	01





## Flushing Gun

Affordable equipment for flushing AC/R systems.

- Volume: 0.75 L. ■ Ball valve with 1/4" female fitting. ■ Hose length: 60 cm.
- 0÷12 bar gauge. ■ 10 bar safety valve.

Art.-Nr.	Description	€	📦
RP1027.01	Flushing gun	-	01
MN1127.01	Spare gauge <sup>(A)</sup>	-	01
RP1069.01	Spare flushing gun <sup>(B)</sup>	-	01
RP1072.01	Spare ball valve <sup>(C)</sup>	-	01

## Flushing Kit



The kit includes:

- Tank with flushing gun.
- Adapter kit for connecting to AC/R systems.
- 10-litre tank for recovery of contaminated liquid.
- Storage and transport plastic case.

Art.-Nr.	€	📦
RK1088.01	-	01

## Flushing Adapter Kit



These are universal adapters with 1/4 SAE male fitting that allow connection to any components of an AC/R system so that the flushing process can be carried out safely

Art.-Nr.	Description	€	📦
RK1332	Adapter kit	-	01
RP1051.01	Spare cone	-	01

## Easy Pass

Adapter Connection Kit for HVAC/R Equipment

EASY PASS is a kit for the quick connection of two refrigeration hoses to enable complete flushing.



Art.-Nr.	€	📦
RK1343	-	01

## Flushing Hook

Flushing Gun Hook

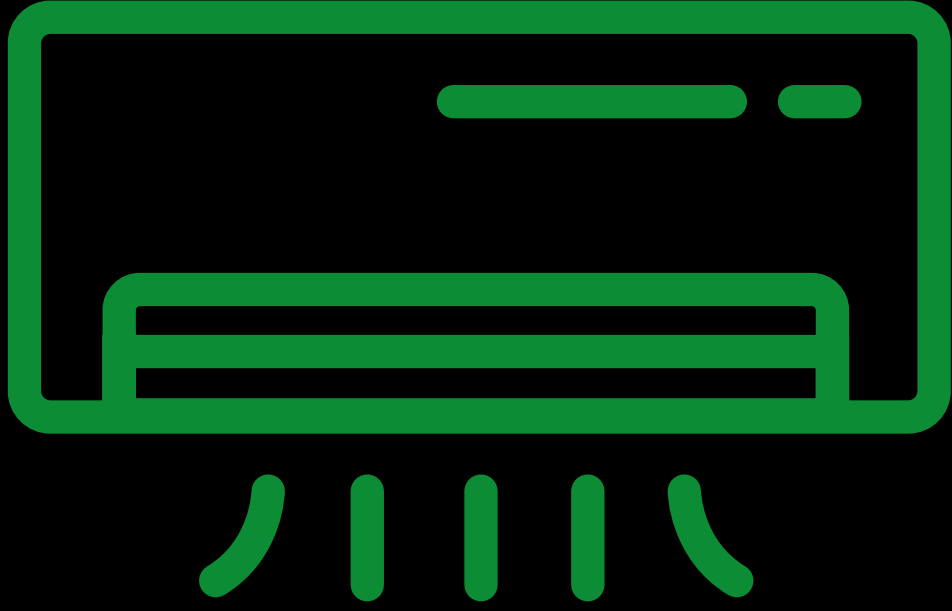
Tool to connect the flushing equipment to the A/C system. Its small size facilitates the connection to A/C systems even in narrow spaces.

Technical features:

- male connection 1/4" SAE. ■ size: 80 x 50 mm.



Art.-Nr.	€	📦
RP1081.01	-	01





# Cleaning and Maintenance of Indoor Units



## Ceily Ceiling Mounted Air Conditioner Cleaning Cover



- Ensures deep protection of the area around the evaporator and floors.
- Strong metal frame: easy to assemble.
- Suitable for ceiling mounted units of any size.

Art.-Nr.	Description	€		
PM1010.01	Ceily	-	01	-
PM1011.01	Spare recovery bag	-	01	-







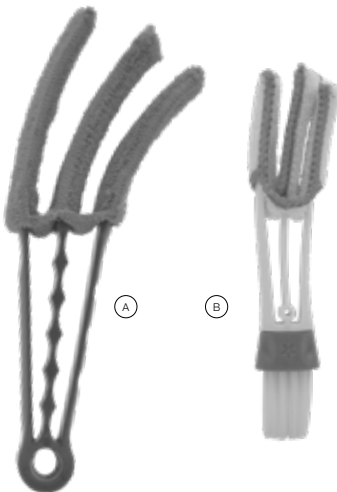
## Wally Air Conditioner Cleaning Cover

- Ensures complete protection of the area around the evaporator.
- Grants perfect fit for any indoor units thanks to the adjustable elastic drawstring.
- Reusable.

Art.-Nr.	Description	Pack	€		
PM1006.01	Wally - 15 pcs	20 L bucket	-	15	-
PM1006.S1	Wally - 15 pcs	Cardboard box	-	15	-

## A/C Cleaning Brushes

Art.-Nr.	Description	€		
RL1034.01	 Brush	-	01	-
RL1035.01	 Soft bristle duster	-	01	-





# Condensate Drain Maintenance

Errecom's condensate drain cleaners have been formulated by our in-house chemical laboratory to **remove and prevent** the development of **algae, mucilage, silt, and mould**. Available in liquid, gel or tablet form, regular use is recommended to **prevent air conditioner's condensate drain from clogging**.

## Drizzle Condensate Drain Cleaner

- Removes and prevents the development of algae, mucilage, silt, and mould.
- Prevents air conditioner's condensate drain from clogging.
- Ready to use.
- New design: swan neck spout to simplify the application process.

**Drizzle:** liquid formulation. Lavender scented.

**Drizzle Gel:** gel formulation to perfectly adhere to the air conditioner drain line. Aloe scented.

**Drizzle Enzi:** the enzymatic formulation in gel ensures a long-lasting cleaning and unblocking action. Eco-friendly formulation to ensure deeper cleaning with less chemical. Aloe scented.



Art.-Nr.	Description	Quantity	€			
AB1078.M.S1	Drizzle	500 mL	- 15	-	-	-
AB1078.K.01	Drizzle bottle without swan neck spout	1 L	- 06	-	-	-
AB1249.M.S1	Drizzle Gel	500 mL	- 15	-	-	-
AB1250.M.S1	Drizzle Enzi	500 mL	- 15	-	-	-



READY TO USE  
**RTU**

## Emerald Tabs Cleaning Biodegradable Tabs for Condensate Drain

- Highly biodegradable formulation (over 99%).
- Also available in MINI format.
- 1 tab every 25/30 days.

Art.-Nr.	Description	€			
AB1260.01	40x8-gram tabs	- 09	-	-	-
AB1098.01	100x2.5-gram mini tabs	- 09	-	-	-



READY TO USE  
**RTU**

## Drain Tabs Cleaning Tabs for Condensate Drain

- 1/2 tabs every 15/20 days for units up to 12.000 Btu/H (3 kW).



Art.-Nr.	Description	€			
AB1261.01	40 tabs	- 09	-	-	-

READY TO USE  
**RTU**

## NSF Certification



**NSF** (National Science Foundation) is the most accredited independent third-party certification body which, since 1944, tests and certifies products to meet precise international public health and safety standards.

**NSF certification:**

- ensures that products have been tested and found to meet the required health and safety standards;
- confirms that labelling and claims are truthful and compliant with regulations;
- demonstrates the company's commitment to quality, safety, and compliance with regulations.

Most importantly, NSF certification is not a one-time event but involves regular on-site inspections of manufacturing facilities and random re-testing of products. NSF certification, therefore, guarantees that not only the products but also the company's entire production process meets high standards of safety and reliability.

## Indoor Unit Cleaners



Errecom's **evaporator cleaners** are alkaline cleaners developed to **remove** the most stubborn deposits of **organic residues, grease, oil, dust, pollen, and smog** from indoor units. They quickly and effectively degrease the treated surfaces and are particularly indicated for removing dirt settled on coils. They can be diluted with water according to the dilution ratio specified on the product: the higher this ratio, the higher the concentration of active substances contained in the cleaner.

# Chinook

## A/C Filter Cleaner

- Easily removes dust, germs, mould, contaminants, and harmful agents.
- Eliminates the causes of bad odours, leaving a pleasant and long-lasting scent.
- Quick and effective application.
- Ready to use.
- HACCP compliant.



1L

READY TO USE  
**RTU**

Art.-Nr.	Description	€			
AB1077.K.S1	1 L spray bottle	-	06	480	576

# Clima-Net

## A/C Filter and Coil Cleaner for Evaporators and Condensers

- Universal alkaline formula: effective for cleaning A/C filters, coils, and both plastic and metal surfaces of evaporators and condensers.
- Suitable for cleaning air conditioning systems, heat pumps, fan coils, and boiler surfaces of heating systems.
- Quickly and effectively removes dust and contaminants.
- Eliminates unpleasant odours caused by contaminants and impurities, restoring air quality and leaving a pleasant fragrance.
- Improves system performance and efficiency.
- Safe for both plastic and metal surfaces.
- HACCP plan compliant.



Art.-Nr.	Description	€			
AB1257.K.S1	1 L spray bottle	-	06	480	576



400 mL

## Evap Coil + NSF Certified Evaporator Cleaner

- NSF registered (K4).
- Purifies A/C ducts and coils by capturing and removing all contaminants such as dust, dirt, allergens, and microorganisms, which are often the cause of unpleasant odours.
- Ensures indoor air quality.
- Easy-to-direct spray thanks to the cannula.
- Ready to use.
- No rinsing required.
- HACCP compliant.

Art.-Nr.	Description	€			
AB1247.N.01	400 mL	-	12	1248	1404



400 mL



## Evaporator Cleaner Cleaner for Evaporators

- Purifies A/C ducts and coils by capturing and removing all contaminants such as dust, dirt, allergens, and microorganisms, which are often the cause of unpleasant odours.
- Ensures indoor air quality, releasing a fresh, clean fragrance in the environment.
- Easy-to-direct spray thanks to the cannula.
- Quick, effective, and ready to use. No rinsing required.
- HACCP compliant.

Art.-Nr.	Description	€			
AB1084.J.01	200 mL	-	24	2880	3168
AB1084.N.01	400 mL	-	12	1248	1404



## Evaporator Cleaner PRO Evaporator Cleaner with Stiff Bristle Brush

- Purifies A/C ducts and coils by capturing and removing all contaminants such as dust, dirt, allergens, and microorganisms, which are often the cause of unpleasant odours.
- The included brush enhances the cleaning power of the cleaner: the mechanical action of the brush and the stiff bristles facilitate the removal of even the most stubborn or encrusted dirt from the evaporator's coils.
- Ensures indoor air quality, releasing a fresh, clean fragrance in the environment.
- Quick, effective, and ready to use. No rinsing required.
- HACCP compliant.



Art.-Nr.	Description	€			
AB1084.N.C.01	400 mL	-	12	1248	1404





# Evap Coil F+

## NSF Certified Foaming Evaporator Cleaner

- NSF registered (K4)
- Foam formula: perfectly adhering to surfaces, it captures and removes even the most stubborn and hard-to-reach dirt.
- Purifies A/C ducts and coils by capturing and removing all contaminants such as dust, dirt, allergens, and microorganisms, which are often the cause of unpleasant odours.
- Ensures indoor air quality, releasing a fresh, clean fragrance in the environment.
- Easy-to-direct spray thanks to the long cannula.
- Quick, effective, and ready to use. No rinsing required.
- HACCP compliant.



Art.-Nr.	Description	€			
AB1248.N.01	400 mL	-	12	1248	1404

# Evaporator Cleaner Foam

## Foaming Evaporator Cleaner

- Foam formula: perfectly adhering to surfaces, it captures and removes even the most stubborn and hard-to-reach dirt.
- Purifies A/C ducts and coils by capturing and removing all contaminants such as dust, dirt, allergens, and microorganisms, which are often the cause of unpleasant odours.
- Ensures indoor air quality, releasing a fresh, clean fragrance in the environment.
- Easy-to-direct spray thanks to the long cannula.
- Quick, effective, and ready to use. No rinsing required.
- HACCP compliant.



Art.-Nr.	Description	€			
AB1049.F.01	100 mL	-	30	3600	4050
AB1049.J.01	200 mL	-	24	2880	3168
AB1049.N.01	400 mL	-	12	1248	1404
AB1049.U.01	600 mL	-	12	1008	1176

# Evaporator Cleaner Foam PRO

## Foaming Evaporator Cleaner with Stiff Bristle Brush

- Foam formula: perfectly adhering to surfaces, it captures and removes even the most stubborn and hard-to-reach dirt.
- Purifies A/C ducts and coils by capturing and removing all contaminants such as dust, dirt, allergens, and microorganisms, which are often the cause of unpleasant odours.
- The included brush enhances the cleaning power of the cleaner: the mechanical action of the brush and the stiff bristles facilitate the removal of even the most stubborn or encrusted dirt from the evaporator's coils.
- Ensures indoor air quality, releasing a fresh, clean fragrance in the environment.
- Easy-to-direct spray thanks to the long cannula.
- Quick, effective, and ready to use. No rinsing required.
- HACCP compliant.



Art.-Nr.	Description	€			
AB1049.N.C.01	400 mL	-	12	1248	1404





## Interior Purifier

### Purifying Interior Treatment

- Saturates the environment with purifying molecules thanks to the continuous flow coming out from the total release aerosol can.
- Removes contaminants from surfaces and A/C ducts.
- Does not wet or leave marks. Ventilate the room after the treatment.
- For a complete purifying action, Errecom recommends using first Evaporator Cleaner Foam or Evaporator Cleaner.

		BY ANNATWELVE		BOREAL		ROYALE		€	📦	
		200 mL		AB1235.J.01		AB1236.J.01		-	24	
Talc	Strawberry	Peach	Mint	Lemon	Vanilla	Green Apple	Oud	€	📦	
Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.			
200 mL	AB1056.J.01	AB1057.J.01	AB1058.J.01	AB1050.J.01	AB1059.J.01	AB1060.J.01	AB1061.J.01	AB1270.J.01	-	24
400 mL	AB1056.N.01	AB1057.N.01	AB1058.N.01	AB1050.N.01	AB1059.N.01	AB1060.N.01	AB1061.N.01	AB1270.N.01	-	12



## Interior Purifier PRO

### High-pressure Purifying Treatment for Interiors

- 600 mL can: quickly purifies room up to 70 m<sup>2</sup> – 753 ft<sup>2</sup>.
- Ideal to purify offices, shops, restaurants, schools, classrooms, etc.
- Easy to use: it takes only 30 seconds to purify 70 m<sup>2</sup> (753 ft<sup>2</sup>) thanks to the high-pressure format (20 mL/second).
- Removes and eliminates contaminants, dust, allergens, etc.
- Ready to use.
- Scented.

Art.-Nr.	Description	€	📦	📦	📦
AB1229.U.01	600mL can	-	12	1008	1176



## Room Care

### Indoor Air Quality Treatment



- Consists of two aerosol cans, EVAPORATOR CLEANER and INTERIOR PURIFIER, which guarantee deep and complete purification of A/C ducts and rooms up to 20 m<sup>2</sup> (215 ft<sup>2</sup>).
- Removes dust, allergens, and contaminants from evaporator coils and surfaces.
- Ready and easy to use.
- Does not wet or leave marks.
- Does not require rinsing.
- Ventilate the room after the treatment.
- 8 scents available.

Talc	Strawberry	Peach	Mint	Lemon	Vanilla	Green Apple	Oud	€	📦
Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.		
RKAB61.S1	RKAB62.S1	RKAB63.S1	RKAB64.S1	RKAB65.S1	RKAB66.S1	RKAB67.S1	RKAB135.S1	-	12



## Monsoon

### High-pressure Scented Treatment for Interiors

- In just a few seconds, it leaves a pleasant scent throughout the room.
- Long-lasting scent.
- Available in 3 fragrances and the new odour-removing formulation to eliminate bad odours of any kind.

Art.-Nr.	Description	€	📦	📦	📦
AB1216.U.01	Lemon can	-	12	1008	1176
AB1217.U.01	Mint can	-	12	1008	1176
AB1218.U.01	Pure can	-	12	1008	1176
AB1224.U.01	No Odor can	-	12	1008	1176



# Power Clean - IN

## High-pressure Evaporator Cleaner

- Its special aerosol can is designed to achieve a constant and high-pressure delivery.
- Easily removes even the most stubborn dirt that accumulates on evaporator coils such as dust, grease, etc.
- Dries quickly.
- Does not require rinsing.
- HACCP compliant.



600 mL



Art.-Nr.	€			
AB1063.U.01	-	12	1008	1176

# CleanSi

## 80% Alcohol-based Surface Cleaner

- 80% alcohol-based formulation: removes microorganisms such as bacteria, germs, allergens, dirt, grease, marks, etc.
- Perfect to clean A/C filter and ducts and high-touch surfaces such as handles, handrails, buttons, vending machines, desks, etc.
- Ready to use.
- Does not require rinsing.
- Evaporates quickly and completely without leaving residues or marks.
- HACCP compliant.



400 mL



Art.-Nr.	Description	€			
AB1228.N.01	400 mL aerosol can	-	12	1248	1404

# Starlux

## Foamy Cleaner for A/C Cases

- Removes dust, stubborn dirt, grease, and stains.
- Foam formulation to better adhere on both wall-mounted and ceiling cassette air conditioners.
- Can be used on plastic and metal casings.
- Perfect to clean all plastic surfaces.



400 mL






Art.-Nr.	€			
AB1226.N.01	-	12	1248	1404



READY TO USE  
**RTU**

## Luxedo Revitalizing Cleaner for Evaporators

- Purifying and revitalizing action.
- Scented.
- Ready to use.




Art.-Nr.	Description	€			
AB1073.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1073.K.C1	1 L bottle	-	06	480	576
AB1073.P.01	5 L tank	-	02	120	120
AB1073.D.01	10 L tank	-	01	-	-



**1:3**  
MAX DILUTION

## Sword Concentrated Revitalizing Cleaner for Evaporators

- Purifying and revitalizing action.
- Scented.




Art.-Nr.	Description	€			
AB1074.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1074.K.C1	1 L bottle	-	06	480	576
AB1074.P.01	5 L tank	-	02	120	120
AB1074.D.01	10 L tank	-	01	-	-



**1:5**  
MAX DILUTION

## Clench Descaling Cleaner with Anticorrosive Action for Evaporators

- Powerful descaling action: acts like an acid-based cleaner, removing the most stubborn salt deposits despite its alkaline formulation.
- Ideal for restoring unkept indoor units.
- Recommended for applications in very aggressive environments.




Art.-Nr.	Description	€			
AB1069.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1069.K.C1	1 L bottle	-	06	480	576
AB1069.P.01	5 L tank	-	02	120	120
AB1069.D.01	10 L tank	-	01	-	-



**1:6**  
MAX DILUTION

## Eco Jab Biodegradable Evaporator Cleaner

- Highly biodegradable formula whose values are even higher than those required by current European legislation.
- Contains only natural surfactants.
- Does not contain acids, phosphates, solvents, or soda.
- Unscented formulation: particularly suitable to be used in environments with food.

Art.-Nr.	Description	€			
AB1071.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1071.K.C1	1 L bottle	-	06	480	576
AB1071.P.01	5 L tank	-	02	120	120
AB1071.D.01	10 L tank	-	01	-	-



## Job

### Highly Effective Cleaner for Evaporators

- OEM approved.
- Extremely effective and versatile, ideal for recurring cleaning of indoor units.
- Removes even the most stubborn dirt from metal and plastic surfaces.
- Scented.

Art.-Nr.	Description	€			
AB1068.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1068.K.C1	1 L bottle	-	06	480	576
AB1068.P.01	5 L tank	-	02	120	120
AB1068.D.01	10 L tank	-	01	-	-



**1:5**  
MAX DILUTION

## PH7 Cleaner

### Neutral Evaporator Cleaner

- Neutral formulation: effective against both grease and salt deposits.
- Powerful yet gentle formula.
- Neutralises and removes unpleasant odours, leaving a long-lasting scent.
- Ready to use.

Art.-Nr.	Description	€			
AB1219.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1219.K.C1	1 L bottle	-	06	480	576
AB1219.P.01	5 L tank	-	02	120	120
AB1219.D.01	10 L tank	-	01	-	-



READY TO USE  
**RTU**

## Universal Nano Cleaner

### All-purpose Cleaner for Air Conditioning Systems

- All-purpose cleaner: ideal to clean both evaporators and condensers.

#### Dilution:

- 1:6 for evaporators;
- RTU for condensers

Art.-Nr.	Description	€			
AB1105.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1105.K.C1	1 L bottle	-	06	480	576
AB1105.P.01	5 L tank	-	02	120	120
AB1105.D.01	10 L tank	-	01	-	-



**1:6**  
MAX DILUTION  
EVAPORATOR CLEANING

READY TO USE  
**RTU**  
CONDENSER CLEANING

## SGP Coil Cleaner

### NSF Certified Universal Alkaline Cleaner

- NSF certified (K5).
- Eco-friendly cleaner: non-foaming formula to ensure faster rinsing.
- Biodegradable.
- Anticorrosive action.
- Scented.

#### Dilution:

- 1:6 for condensers - 1:10 for evaporators - 1:15 for A/C filters

Art.-Nr.	Description	€			
AB1244.K.C1	1 L bottle	-	06	480	576
AB1244.P.01	5 L tank	-	02	120	120



CONDENSER CLEANING  
**1:6**  
MAX DILUTION

EVAPORATOR CLEANING  
**1:10**  
MAX DILUTION

A/C FILTER CLEANING  
**1:15**  
MAX DILUTION







750 mL

## No-Age Plus

### Anticorrosive Protective Spray Treatment for A/C Systems

- Sprayed directly on evaporator and condenser coils, it creates a protective film that defends surfaces from contaminants such as salt and smog, preventing metal corrosion.
- Resists moisture, smog, salt, sand, and dust.
- Ideal to use on evaporators and condensers installed in highly oxidising areas (seaside locations, heavily polluted areas) and subject to salt, acid rain, and smog attack.
- Extends the life of indoor and outdoor units.
- Aerosol format to ensure uniform application.

Art.-Nr.	€			
AB1103.YW.01	-	12	840	840



## Evo Tabs

### Cleaning Tabs for Evaporators



- 1 tab (20 g) to obtain 5 L of ready-to-use alkaline cleaner.
- Can be used with any water, even the hardest one.
- Removes water limescale and leaves no residue.
- Recommended for recurring cleaning.
- Releases a pleasant scent.
- Can be dispensed with any tools, including spray pumps.

1x5L

DILUTION



Art.-Nr.	€			
AB1089.01.JA	-	12	-	-



## Evo Ultra

### Neutral Cleaner for Evaporators



- Active substance for deep and effective cleaning of evaporators.
- 1:20 dilution.
- Can be diluted with any type of water, even the hardest one.
- Leaves no marks or residues on treated surfaces.
- Eco-friendly glass packaging.
- Neutral Cleaner: removes both grease and salt residues.

1:20

MAX DILUTION

250 mL

Art.-Nr.	€			
AB1225.Q.S1	-	24	-	-





# SaniBact

## Concentrated Virucidal and Bactericidal Disinfectant for Surfaces



- Disinfectant certified in the United Kingdom, Germany, Italy (registration N20145), France, Portugal, Poland, and Israel.
- Highly concentrated disinfectant.
- Dilution:
  - 1:16 to obtain virucidal efficacy;
  - 1:25 to obtain bactericidal efficacy.
- Tested against coronavirus.
- Tested against influenza, hepatitis B/C, HIV, ebola, rotavirus, norovirus.
- Tested against bacteria: EN1276 – EN13697.
- Tested against moulds: EN13697.
- Removes viruses, germs, mould, and bacteria from high-touch surfaces.
- Perfect to sanitise hospitals, clinics, schools, gyms, pubs, restaurants, hotels, etc.
- Can be applied both in liquid and foam form thanks to the special trigger.
- Its formulation is based on 3 active substances that work together, making SaniBact a powerful disinfectant, suitable to be used in different circumstances.
- Acts in just 5 minutes.
- Safe for all surfaces: it does not leave aggressive chemical residues.
- HACCP compliant.

<b>1:16</b> MAX DILUTION	<b>1:25</b> MAX DILUTION
VIRUCIDAL EFFICACY	BACTERICIDAL EFFICACY



Art.-Nr.	Description	€			
AB1085.K.S1	1 L spray bottle	-	06	480	576
AB1085.P.01	5 L tank	-	02	168	196
AB1085.D.01	10 L tank	-	01	-	-
AB1085.M.01	500 mL bottle	-	12	972	1080
AB1085.Q.S1	250 mL bottle	-	24	2592	2592



# SmartBact

## RTU Disinfectant Kit for Surfaces

Consists of a 500 mL bottle of SaniBact, a 20 mL measuring cap and a 500 mL spray bottle.



<b>1:16</b> MAX DILUTION	<b>1:25</b> MAX DILUTION
VIRUCIDAL EFFICACY	BACTERICIDAL EFFICACY

Art.-Nr.	Description	€			
RKAB86.S1	1 L SmartBact	-	08	480	576
RKAB85.S1	500 mL SmartBact	-	09	-	-





**48**  
APPLICATIONS

## Foggy Kit

### Purifying Interior Treatment with Dry Smoke

- Includes Kemuri, the smoke machine, and 48 bottles of KIRI, the purifying active substance, which is EN1276, EN14476, EN1650, EN16777, and EN13697 certified.
- Takes only a few minutes to complete the whole purifying treatment.
- Purifies even the most difficult-to-reach surfaces.
- Purifies both surfaces and A/C ducts, restoring the indoor air quality.
- Safe for all surfaces, fabrics, and electronic equipment.
- Does not add additional moisture to the environment.
- Long-lasting purifying protection.

Art.-Nr.	€	
RK1455	-	01



## Kemuri

### The Purifying Smoke Machine

- 3 cycles to complete the purifying treatment.
- Cable control. Power supply: 230 V.
- Boiler: 400W. Emission: 10 m<sup>3</sup>/minute (350 ft<sup>3</sup>/ minute).
- Preheating: about 3-5 minutes.
- Liquid consumption: 30 min/200 mL (30 min/6.7 fl oz).
- Liquid tank capacity: 200 mL (6.7 fl oz).
- Size (LxHxD): 120x120x240 mm (4.7x4.7x9.4 in). Weight: 1.4 kg (3 lb).


Art.-Nr.	€	
VP1055.01	-	01



## Kiri

### Purifying Active Substance for Kemuri

- EN1276, EN 14476, EN1650, EN16777, EN 13697 certified.
- Powerful purifying action: 1 mL to purify 1 m<sup>3</sup> (0.033 fl oz to purify 35 ft<sup>3</sup>).
- Lemon tree scented.

Art.-Nr.	€	
AB1109.Y.01	-	12

# Pure Zone Machine

## Professional Ultrasonic Nebuliser

### Technical Features:

- Power supply: 100-220 V - 50/60 Hz.
- Schuko plug.
- Power supply: 12 V with cigarette lighter socket adapter.
- Cycle time: 11' 45" at 20°C.
- Automatic switch-off when minimum liquid is reached.
- Noise level: ≤ 70 dB.
- Operating temperature: 0°C - 60°C.
- Nebulisation rate: ≈ 500 mL/h.
- Fan flow: 34 m³/h.
- Size: L285 X P130 X H210 mm.
- Weight: 3.1 Kg.



Art.-Nr.	Description	€	☒
AB1032	PureZone Machine	-	01

# Haze

## Purifying Treatment for Ultrasonic Nebulisers

HAZE is a purifying liquid to be used with ultrasonic nebulisers.

	PURE Art.-Nr.	MINT Art.-Nr.	LEMON Art.-Nr.	€	☒	☒
120 mL	AB1240.G.01	AB1239.G.01	AB1238.G.01	-	12	-
200 mL	AB1240.J.01	AB1239.J.01	AB1238.J.01	-	10	-
5 L	AB1240.P.01	AB1239.P.01	AB1238.P.01	-	02	-
10 L	AB1240.D.01	AB1239.D.01	AB1238.D.01	-	01	-

	SMOKI Art.-Nr.	WOOFI Art.-Nr.	NO ODOR Art.-Nr.	€	☒	☒
120 mL	AB1242.G.01	AB1241.G.01	AB1252.G.01	-	12	-
200 mL	AB1242.J.01	AB1241.J.01	AB1252.J.01	-	10	-
5 L	AB1242.P.01	AB1241.P.01	AB1252.P.01	-	02	-
10 L	AB1242.D.01	AB1241.D.01	AB1252.D.01	-	01	-






# Odour Removal Treatments

for Environments and Surfaces



## Smoki Cigarette Odour Remover

- Ideal to be applied directly on smelly surfaces.
- Does not cover the smoke odour but eliminates it permanently by incorporating its molecules.
- Safe for all surfaces.
- Does not require to ventilate the room after the treatment.
- Long-lasting efficacy.

Art.-Nr.	Description	€			
AB1087.K.S1	1 L spray bottle	-	06	480	576
AB1087.J.01	200 mL can	-	12	2880	3168

READY TO USE

**RTU**

## Woofi Pet Odour Remover

- Ideal to be applied directly on smelly surfaces.
- Does not cover the pet odour but eliminates it permanently by incorporating its molecules.
- Safe for pets.
- Does not damage surfaces.
- Does not require to ventilate the room after the treatment.
- Long-lasting efficacy.



Art.-Nr.	Description	€			
AB1088.K.S1	1 L spray bottle	-	06	480	576
AB1088.J.01	200 mL can	-	12	2880	3168

READY TO USE

**RTU**

## No Odor Intense Bad Smell Remover

- Ideal to be applied directly on smelly surfaces such as floors, trash bins, drains, etc.
- Does not cover bad odours but eliminates them permanently by incorporating their molecules. Long-lasting efficacy.
- Highly powerful formulation, effective even against the most unpleasant odours.
- Safe for all surfaces (metals, plastics, etc.).
- HACCP compliant.



Art.-Nr.	Description	€			
AB1066.K.S1	1 L spray bottle	-	06	480	576
AB1066.P.01	5 L tank	-	02	120	120
AB1066.D.01	10 L tank	-	01	-	-

READY TO USE

**RTU**

## Uklin Urine Odour Remover

- Ideal to be applied directly on smelly surfaces such as doorways, passageways, floors, etc.
- Does not cover urine odour but eliminates it permanently by incorporating its molecules. Long-lasting efficacy.
- Generates a repellent effect on pets, correcting bad habits and preventing them from urinating on the treated area. Safe for pets.
- Pleasant scent for humans.
- Can be sprayed on all surfaces (metal, plastics, wood, cement, etc.). Does not damage materials and leaves no residue.



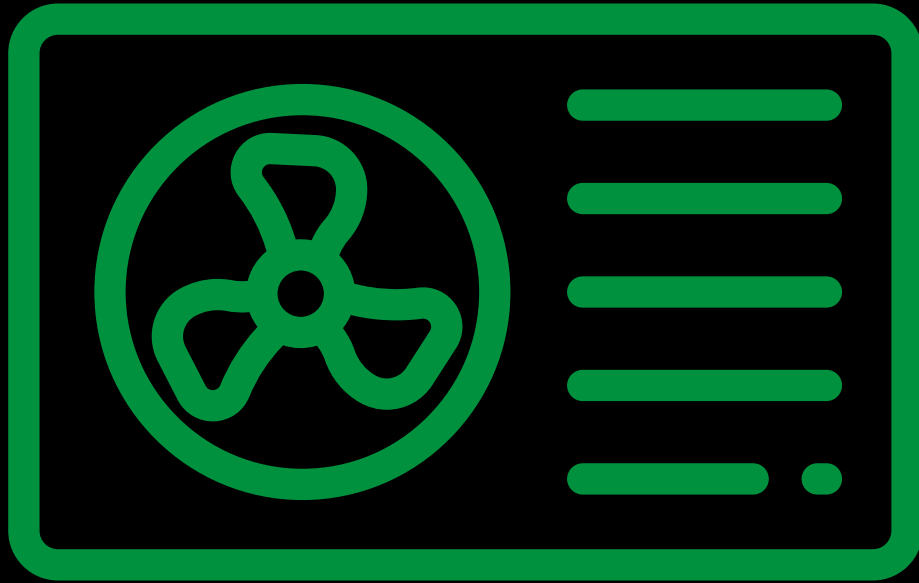
Art.-Nr.	Description	€			
AB1091.K.S1	1 L spray bottle	-	06	480	576
AB1091.P.01	5 L tank	-	02	120	120
AB1091.D.01	10 L tank	-	01	-	-

READY TO USE

**RTU**



## Cleaning and Maintenance of Outdoor Units



## Jet Gun Pro

### Portable Outdoor Cleaner

- Adjustable nozzle for spraying or nebulising.
- The flat jet nozzle allows low pressure and efficient cleaning.
- Retractable hose reel included.
- Lithium battery, battery level LED indicator.
- 1 metre USB-C cable included.
- Capacity: 32 litres of water (18 min) supply.
- Tank capacity: 8 litres.
- Integrated water filter.
- Spiral hose length: 3 m.
- Weight: 2.8 Kg.
- Size: 316 x 217 x 270 mm.
- Working pressure: 5-7 bar.

Art.-Nr.	Description	€	📦
VP1063.01	Jet Gun Pro	-	01

## Jet Gun Pro+

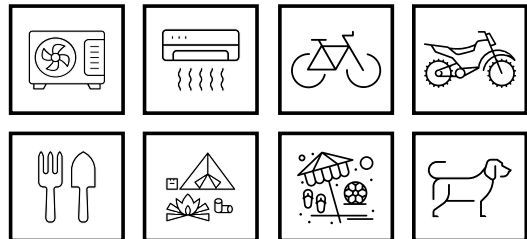
- Includes storage box.

Art.-Nr.	Description	€	📦
VP1067.01	Jet Gun Pro+	-	01



### Accessories and spare parts

Art.-Nr.	Description	€
RT1097.01	Red Box Cap+Black Ribbon	-
FL1152.01	Water Box	-
AS 1023.01	Water Stop Valve Kit	-
AS 1026.01	Ejector Pin Inlet Strainer	-
RP1082.01	Black Water Gun Assy	-
PW1014.01	5V3A EU plug black charger with integrated 1m USB-C cable	-
RK1529	RT1097.01 + FL1152.01 + AS 1023.01	-



## Spray Pumps

It is a tank that can be manually pressurised and resists acid cleaners, whose adjustable nozzle allows any type of cleaner to be dispensed directly onto evaporators and condensers.

Art.-Nr.	Description	€	📦
PM1001.01	2 L spray pump	-	01
PM1003.01	10 L spray pump	-	01



# Alkaline Cleaners

Errecom's **condenser cleaners** are alkaline cleaners developed to **remove** the most stubborn deposits of **organic residues, grease, oil, dust, pollen, and smog** from outdoor units. They quickly and effectively degrease the treated surfaces and are particularly indicated for removing dirt settled on coils. They can be diluted with water according to the dilution ratio specified on the product: the higher this ratio, the higher the concentration of active substances contained in the cleaner. Avoid contact with varnished surfaces. Rinse the condenser thoroughly after application.



## Alkaline Tabs

### Cleaning Alkaline Tabs for Condensers

- 1 tab (20g) to obtain 5 L of ready-to-use degreaser cleaner.
- Can be used with any water, even the hardest one.
- Recommended for recurring cleaning.
- Releases a pleasant scent.

**1x5L**  
MAX DILUTION

Art.-Nr.	€			
AB1221.01.JA	-	12	-	-



## Alkaline Ultra

### Alkaline Condenser Cleaner

- Active substance for deep and effective cleaning of condensers.
- 1:20 dilution.
- Can be diluted with any type of water, even the hardest one.
- Leaves no marks or residues on treated surfaces.
- Eco-friendly glass packaging.

**1:20**  
MAX DILUTION

Art.-Nr.	€			
AB1223.Q.S1	-	24	-	-

250 mL



## Nano Alkaline Cleaner

### Alkaline Condenser Cleaner

- Effective foaming action.

**1:8**  
MAX DILUTION

Art.-Nr.	Description	€			
AB1106.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1106.K.C1	1L bottle	-	06	480	576
AB1106.P.01	5 L tank	-	02	120	120
AB1106.D.01	10 L tank	-	01	-	-



## Restore

### Mild Alkaline Condenser Cleaner

- Particularly suitable to be used in environments with food.
- Powerful purifying action.
- Ideal to be used for regular cleaning.

Art.-Nr.	Description	€			
AB1067.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1067.K.C1	1L bottle	-	06	480	576
AB1067.P.01	5 L tank	-	02	120	120
AB1067.D.01	10 L tank	-	01	-	-



**1:3**  
MAX DILUTION

## EcoRestore

### Biodegradable Alkaline Condenser Cleaner

- Highly biodegradable formula whose values are even higher than those required by current European legislation.
- Contains only natural surfactants.
- Does not contain acids, phosphates, solvents, or soda.
- OEM approved.

Art.-Nr.	Description	€			
AB1072.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1072.K.C1	1L bottle	-	06	480	576
AB1072.P.01	5 L tank	-	02	120	120
AB1072.D.01	10 L tank	-	01	-	-



**OEM**  
APPROVED

**1:4**  
MAX DILUTION

## Chisel

### Alkaline Descaler Cleaner with Anticorrosive Action for Condensers

- Powerful descaling action: acts like an acid-based cleaner, removing the most stubborn salt deposits.
- Anticorrosive formula.
- Ideal for restoring unkept outdoor units.
- Recommended for applications in very aggressive environments.

Art.-Nr.	Description	€			
AB1070.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1070.K.C1	1L bottle	-	06	480	576
AB1070.P.01	5 L tank	-	02	120	120
AB1070.D.01	10 L tank	-	01	-	-



**1:3**  
MAX DILUTION

## No Age

### Anticorrosive Protective Treatment for Outdoor Units

- Creates a protective film that defends surfaces from contaminants such as salt and smog, preventing metal corrosion.
- Maintains unaltered heat exchange.
- Ideal to use on condensers installed in highly oxidising environments (seaside locations, heavily polluted areas) and subject to salt, acid rain, and smog attack.

Art.-Nr.	Description	€			
AB1100.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1100.K.C1	1L bottle	-	06	480	576
AB1100.P.01	5 L tank	-	02	120	120
AB1100.D.01	10 L tank	-	01	-	-



READY TO USE  
**RTU**

# Acid Cleaners

Errecom's **acid condenser cleaners** are developed to **remove** the most stubborn encrustations, such as **limestone, salt, rust, concrete, and chalk residues**. They quickly and effectively descale the treated surfaces and are particularly suitable for removing dirt settled on coils. They can be diluted with water according to the dilution ratio specified on the product: the higher this ratio, the higher the concentration of active substances contained in the cleaner.

Avoid contact with varnished surfaces. Rinse the condenser thoroughly after application.



**1:8**  
MAX DILUTION

## Nano Acid Cleaner

### Concentrated Acid Condenser Cleaner

- Effective foaming and powerful descaling action.

Art.-Nr.	Description	€			
AB1107.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1107.K.C1	1 L bottle	-	06	480	576
AB1107.P.01	5 L tank	-	02	120	120
AB1107.D.01	10 L tank	-	01	-	-



**1:6**  
MAX DILUTION

## Best Acid Cond Cleaner

### Concentrated Acid Condenser Cleaner

- Effective foaming action.

Art.-Nr.	Description	€			
AB1044.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1044.K.C1	1 L bottle	-	06	480	576
AB1212.P.01	5 L tank	-	02	120	120
AB1212.D.01	10 L tank	-	01	-	-



**1:3**  
MAX DILUTION

## PSD Coil Cleaner

### Acid Condenser Coil Cleaner

- Affordable and effective cleaning.

Art.-Nr.	Description	€			
AB1245.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1245.K.C1	1 L bottle	-	06	480	576
AB1245.P.01	5 L tank	-	02	120	120





# Acid Ultra

## Acid Condenser Cleaner

- Active substance for deep and effective cleaning of condensers.
- 1:20 dilution.
- Can be diluted with any type of water, even the hardest one.
- Leaves no marks or residues on treated surfaces.
- Eco-friendly glass packaging.



**1:20**

MAX DILUTION

250 mL



Art.-Nr.	€			
AB1222.Q.S1	-	24	-	-

# Acid Tabs

## Cleaning Acid Tabs for Condensers

- 1 tab (20 g) to obtain 5 L of ready-to-use descaler cleaner.
- Can be used with any water, even the hardest one.
- Recommended for recurring cleaning.
- Releases a pleasant scent.



**1x5L**

MAX DILUTION



Art.-Nr.	€			
AB1102.01.JA	-	12	-	-

# Power Clean-OUT

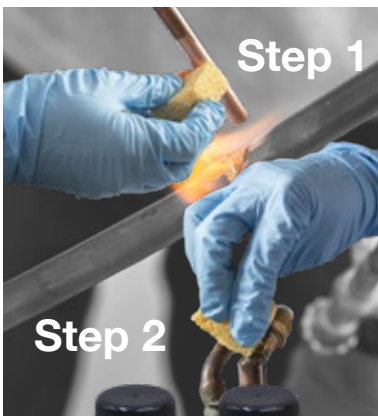
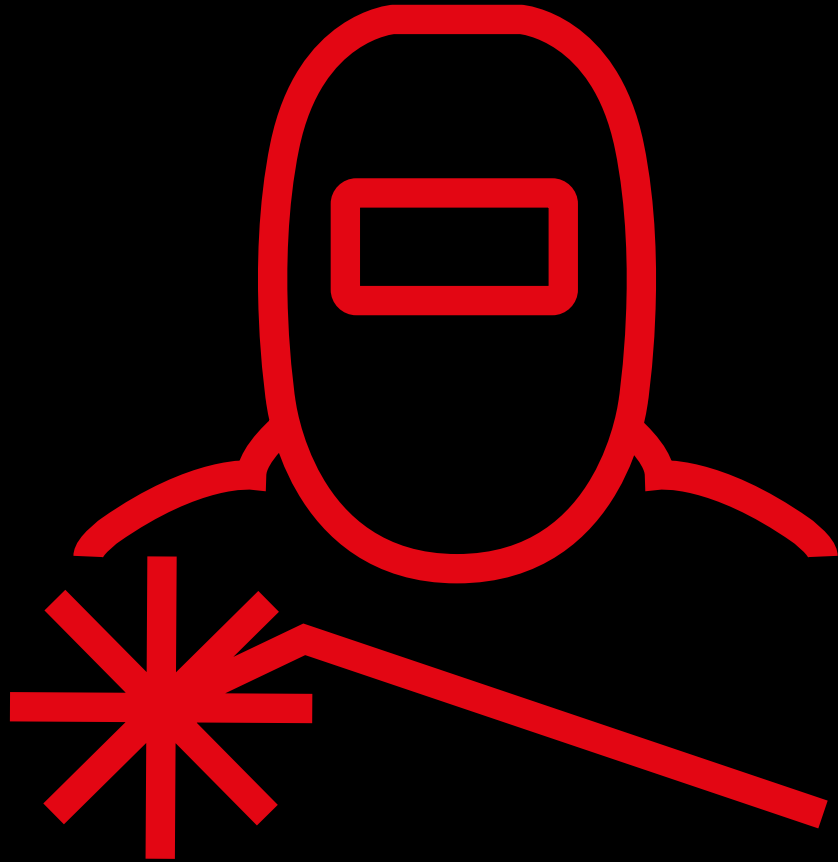
## Alkaline High-pressure Condenser Cleaner

- Alkaline high-pressure condenser cleaner.
- Safe for condenser coils.
- Easily removes even the most stubborn dirt.



Art.-Nr.	Description	€			
AB1063.YW.01	750 mL aerosol can	-	12	840	840

750 mL



## **Weld+** Cleaner and Booster for Welding

- Optimises and reduces welding and soldering time. ■ Ensures excellent welding tight.
- Ensures thorough cleaning of the surfaces to be welded. ■ Leaves a dry, stain-free surface. ■ Easy to use. ■ Safe for the operator. ■ Suitable for use on iron, steel, copper, brass, aluminium. ■ Also ideal for welding of copper and copper alloys, copper and steel alloys, copper and brass alloys, copper and bronze alloys, copper and stainless steel alloys, brass and stainless steel alloys.

### STEP 1 – Deoxidizing Cleaner

- Removes oxides caused by the atmosphere (rust) and by welding or heat treatments, calamine from metal and steel, oxide layers and encrustations of any kind from alloys such as copper and brass.
- Pickling action.
- Protects surfaces from oxidation for approx. 90 min.

### STEP 2 – Protective Neutraliser

- Removes any residues resulting from the application of step 1 and the welding work carried out.
- Prevents the growth of oxides after welding.
- Protects the metal from corrosion by creating a protective film.

Art.-Nr.	€			
TR1194.01	-	20	-	-



# Stop Heat

## Heat Blocking Putty for Welding

- Absorbs and stops the heat during welding or soldering, preventing the areas around the point from burning or deforming.
- Compatible and safe also for painted or varnished surfaces.
- Putty formulation: it perfectly adheres without dripping, slipping, or leaving residue.
- Re-usable up to 40 times.
- Easy to use.
- Safe and non-toxic formulation.



Art.-Nr.	Description	€			
TR1173.01	500 g jar	-	12	-	-



# Protect Gel

## Heat Blocking Gel for Welding

- Protects surrounding surfaces from heat and flame during welding or soldering operations.
- Avoids expensive heat damages by protecting components or materials during welding/soldering.
- Compatible and safe also for painted or varnished surfaces.
- Gel formulation: it perfectly adheres without dripping, staining, or leaving residue.
- Easy to use.
- Safe and non-toxic formulation.



Art.-Nr.	Description	€			
TR1141.K.01	1 L spray bottle	-	06	-	-



# Shield-It

## Protective Barrier Spray for Welding

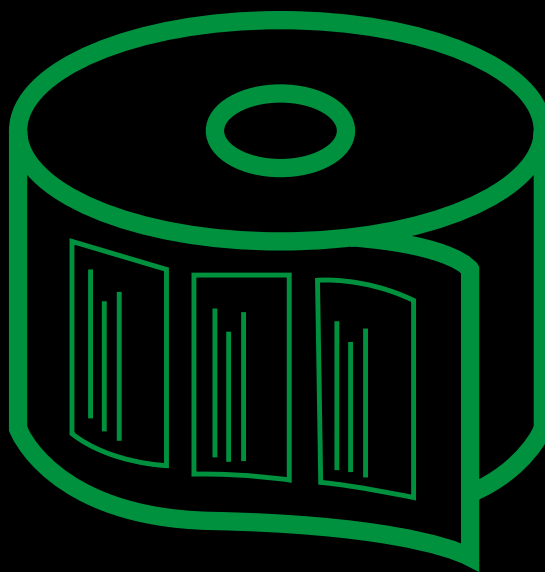
- Creates a protective barrier on the area during welding operations.
- Prevents drops of filler material from sticking to metals and materials near the welding area.
- Protects surfaces from oxidation and corrosion.
- Simple and easy to use.
- Silicone-free formula.

### Available in 3 formats:

- Shield-It: solvent-based aerosol formulation;
- Shield-It H<sub>2</sub>O: non-flammable water-based formulation;
- Shield-It CO<sub>2</sub>: non-flammable CO<sub>2</sub>-based formulation.



Art.-Nr.	Description	€			
TR1165.N.01	Shield-It 400 mL aerosol can	-	12	1248	1404
TR1164.N.01	Shield-It H <sub>2</sub> O 400 mL aerosol can	-	12	1248	1404
TR1207.N.01	Shield-It CO <sub>2</sub> 400 mL aerosol can	-	12	1248	1404



## Water Pipe Markers

Self-adhesive pipe marking labels to identify piping systems conveying water and the direction of flow as regulated by the CLP regulation and ISO 20560.

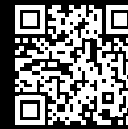
- Sheet with 6 pre-cut self-adhesive labels.
- Size 230 x 30mm.
- Colour: Green - RAL 6032.
- Customisable on request.

6-label pack.



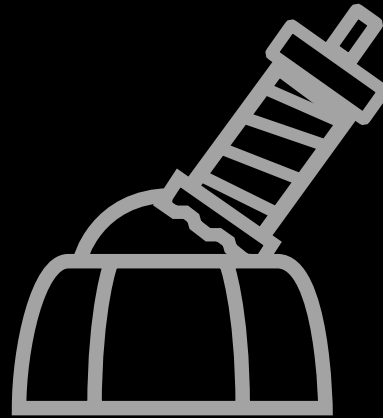
Art.Nr	Label text	€	🗑️
ADS001.S.DX.IT	WATER SUPPLY →	-	01
ADS001.S.SX.IT	← WATER SUPPLY	-	01
ADS002.S.DX.IT	WATER RETURN →	-	01
ADS002.S.SX.IT	← WATER RETURN	-	01
ADS003.S.DX.IT	WATER SUPPLY →	-	01
ADS003.S.SX.IT	← WATER SUPPLY	-	01
ADS004.S.DX.IT	WATER RETURN →	-	01
ADS004.S.SX.IT	← WATER RETURN	-	01
ADS005.S.DX.IT	HOT WATER →	-	01
ADS005.S.SX.IT	← HOT WATER	-	01
ADS006.S.DX.IT	COLD WATER →	-	01
ADS006.S.SX.IT	← COLD WATER	-	01
ADS007.S.DX.IT	DOMESTIC HOT WATER →	-	01
ADS007.S.SX.IT	← DOMESTIC HOT WATER	-	01
ADS008.S.DX.IT	DOMESTIC COLD WATER →	-	01
ADS008.S.SX.IT	← DOMESTIC COLD WATER	-	01
ADS009.S.DX.IT	SOFTENED COLD WATER →	-	01
ADS009.S.SX.IT	← SOFTENED COLD WATER	-	01
ADS010.S.DX.IT	CONDENSATE WATER →	-	01
ADS010.S.SX.IT	← CONDENSATE WATER	-	01
ADS011.S.DX.IT	POTABLE WATER →	-	01
ADS011.S.SX.IT	← POTABLE WATER	-	01

**PATENT  
PENDING**



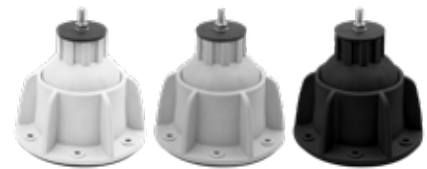
**10**

**Accessories**  
for A/C Installation



## Adjustable Floor Supports for Outdoor Units

- Extremely stable and resistant.
- Ensures quick and safe installation of outdoor units.
- Allows units to be installed even on sloping surfaces/roofs.
- Available in three colours: White (RAL9016); Grey (RAL9018); Black (RAL9004).



RAL9016

RAL9018

RAL9004

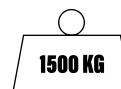
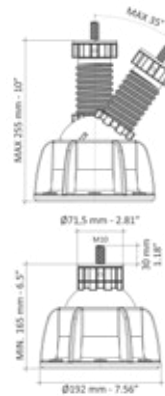
### Steady

**Technical features:**

- Supports up to 1500 kg.
- Height adjustable from 165 mm to 255 mm.
- Can be tilted up to 35°.
- 360° rotation.
- 6 mm anti-vibration rubber base.
- 6 holes floor mounting base.

1-piece pack.

Art.-Nr.	Colour	€			
RS1011W.01	RAL9016	-	01	-	-
RS1011G.01	RAL9018	-	01	-	-
RS1011N.01	RAL9004	-	01	-	-



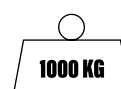
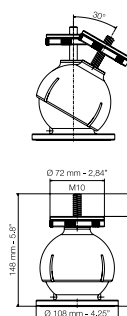
### Mini Steady

**Technical features:**

- Supports up to 1000 kg.
- Height adjustable from 118 mm to 148 mm.
- Can be tilted up to 30°.
- 360° rotation.

4-piece pack.

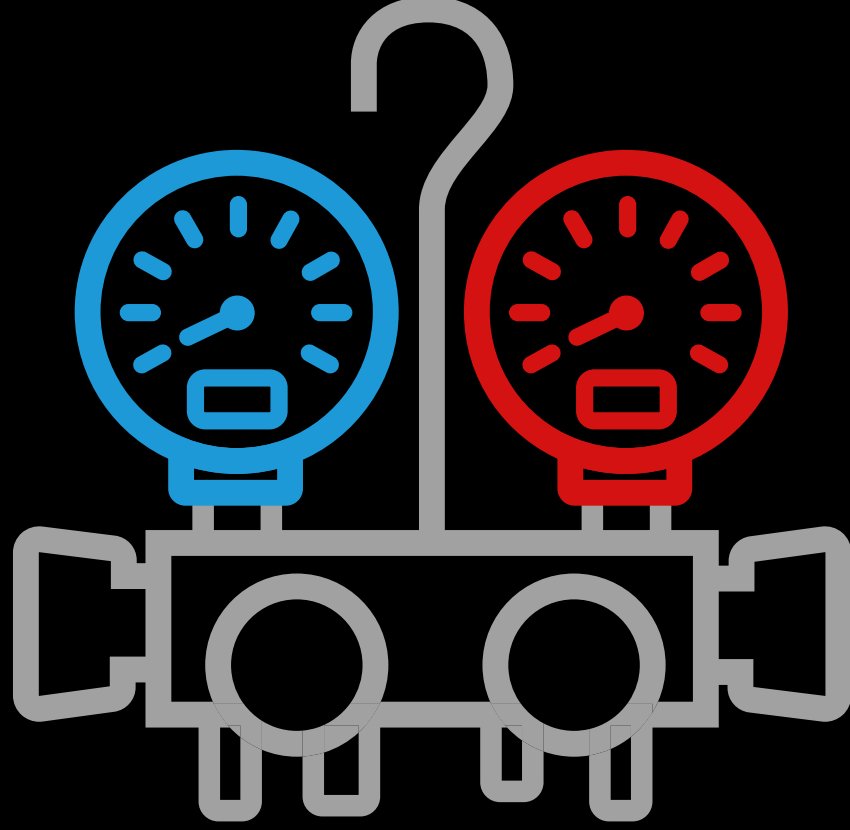
Art.-Nr.	Colour	€			
RS1014W.01	RAL9016	-	01	-	-
RS1014G.01	RAL9018	-	01	-	-
RS1014N.01	RAL9004	-	01	-	-






## Manifolds

for Air Conditioning and Refrigeration Systems




## Ball Valves with In-line Swivel Connection

Art.-Nr.	Male	Female	
RP1119.R1.*S1	1/4 SAE	1/4 SAE	01
RP1819.R1.*S1	1/4 SAE	3/8 SAE	01
RP1919.R1.*	3/8 SAE	3/8 SAE	01
RP1035.R1.*S1	1/2 ACME	1/4 SAE	01
RP1719.R1.*S1	1/4 SAE	5/16 SAE	01
RP1319.R1.*S1	5/16 SAE	1/4 SAE	01
RP1619.R1.*S1	5/16 SAE	5/16 SAE	01

\* ADD TO ART-NR: Y = YELLOW VALVE, B = BLUE VALVE, R = RED VALVE, G = GREEN VALVE, W = WHITE VALVE



## Ball Valves with In-line Swivel Connection 45°

Art.-Nr.	Male	Female	
RP1170.R1.*	1/4 SAE	1/4 SAE	01
RP1270.R1.*	3/8 SAE	1/4 SAE	01
RP1370.R1.*	5/16 SAE	1/4 SAE	01
RP1770.R1.*	1/4 SAE	5/16 SAE	01
RP1670.R1.*	5/16 SAE	5/16 SAE	01

\* ADD TO ART-NR: Y = YELLOW VALVE, B = BLUE VALVE, R = RED VALVE, G = GREEN VALVE, W = WHITE VALVE




## Ball Valves with In-line Swivel Connection 90°

Art.-Nr.	Male	Female	
RP1171.R1.*	1/4 SAE	1/4 SAE	01
RP1371.R1.*	5/16 SAE	1/4 SAE	01
RP1771.R1.*	1/4 SAE	5/16 SAE	01
RP1671.R1.*	5/16 SAE	5/16 SAE	01

\* ADD TO ART-NR: Y = YELLOW VALVE, B = BLUE VALVE, R = RED VALVE, G = GREEN VALVE, W = WHITE VALVE




## Ball Valves with Male Fitting

Art.-Nr.	Description	€	
RP1631.R1.*S1	1/4 SAE x 1/4 SAE	-	01
RP1636.R1.*S1	5/16 SAE x 5/16 SAE	-	01

\* ADD TO ART-NR: Y = YELLOW VALVE, B = BLUE VALVE, R = RED VALVE, G = GREEN VALVE, W = WHITE VALVE




## Spare Parts for Charging Hoses and Ball Valves

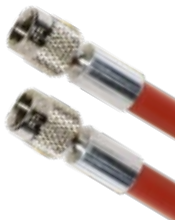
Art.-Nr.	Description	€	
RG9010.01	Gasket in HNBR for 1/4 - 5/16 SAE - 1/2 ACME	-	01
RG9012.01	Gasket in NEOPRENE for 1/4 - 5/16 SAE - 1/2 ACME	-	01
RG9002.01	Gasket in HNBR for 3/8 SAE	-	01
TBR901.01	Hose Depressor	-	01



## Shut-Off

Art.-Nr.	Description	€	
RV6047.S1	1/4 M x 1/4 SAE - Black	-	01
RV6048.S1	1/4 M x 5/16 SAE - Green	-	01
RV6052.S1	5/16 M x 5/16 SAE - Purple	-	01





**□ In-line swivel connections 1/4 SAE**

Cm	Blue	Red	Yellow	€
100	TB7451B	TB7451R	TB7451Y	-
150	TB7802B	TB7802R	TB7802Y	-
200	TB7551B	TB7551R	TB7551Y	-
300	TB7651B	TB7651R	TB7651Y	-
350	TB7751B	TB7751R	TB7751Y	-

**□ In-line swivel connections 5/16 SAE**

Cm	Blue	Red	Yellow	€
100	TB7452B	TB7452R	TB7452Y	-
150	TB7803B	TB7803R	TB7803Y	-
200	TB7552B	TB7552R	TB7552Y	-
300	TB7652B	TB7652R	TB7652Y	-
350	TB7752B	TB7752R	TB7752Y	-



**□ In-line swivel connections at 45° 1/4 SAE**

Cm	Blue	Red	Yellow	€
100	TB7487B	TB7487R	TB7487Y	-
150	TB7804B	TB7804R	TB7804Y	-
200	TB7587B	TB7587R	TB7587Y	-
300	TB7283B	TB7283R	TB7283Y	-
350	TB7907B	TB7907R	TB7907Y	-

**□ In-line swivel connections at 45° 5/16 SAE**

Cm	Blue	Red	Yellow	€
100	TB7488B	TB7488R	TB7488Y	-
150	TB7805B	TB7805R	TB7805Y	-
200	TB7588B	TB7588R	TB7588Y	-
300	TB7284B	TB7284R	TB7284Y	-
350	TB7908B	TB7908R	TB7908Y	-



**□ In-line swivel connections at 90° 1/4 SAE**

Cm	Blue	Red	Yellow	€
100	TB7489B	TB7489R	TB7489Y	-
150	TB7806B	TB7806R	TB7806Y	-
200	TB7589B	TB7589R	TB7589Y	-
300	TB7285B	TB7285R	TB7285Y	-
350	TB7909B	TB7909R	TB7909Y	-

**□ In-line swivel connections at 90° 5/16 SAE**

Cm	Blue	Red	Yellow	€
100	TB7490B	TB7490R	TB7490Y	-
150	TB7807B	TB7807R	TB7807Y	-
200	TB7590B	TB7590R	TB7590Y	-
300	TB7286B	TB7286R	TB7286Y	-
350	TB7910B	TB7910R	TB7910Y	-

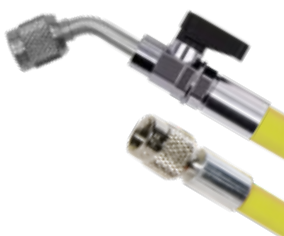


**□ Ball valve 1/4 SAE connection**

Cm	Blue	Red	Yellow	€
100	TB7463B	TB7463R	TB7463Y	-
150	TB7808B	TB7808R	TB7808Y	-
200	TB7563B	TB7563R	TB7563Y	-
300	TB7663B	TB7663R	TB7663Y	-
350	TB7763B	TB7763R	TB7763Y	-

**□ Ball valve 5/16 SAE connection**

Cm	Blue	Red	Yellow	€
100	TB7464B	TB7464R	TB7464Y	-
150	TB7809B	TB7809R	TB7909Y	-
200	TB7564B	TB7564R	TB7564Y	-
300	TB7664B	TB7664R	TB7664Y	-
350	TB7764B	TB7764R	TB7764Y	-



**□ Ball valve at 45° 1/4 SAE**

Cm	Blue	Red	Yellow	€
100	TB7491B	TB7491R	TB7491Y	-
150	TB7810B	TB7810R	TB7810Y	-
200	TB7591B	TB7591R	TB7591Y	-
300	TB7287B	TB7287R	TB7287Y	-
350	TB7911B	TB7911R	TB7911Y	-

**□ Ball valve at 45° 5/16 SAE**

Cm	Blue	Red	Yellow	€
100	TB7464B	TB7464R	TB7464Y	-
150	TB7809B	TB7809R	TB7909Y	-
200	TB7564B	TB7564R	TB7564Y	-
300	TB7664B	TB7664R	TB7664Y	-
350	TB7764B	TB7764R	TB7764Y	-



**□ Ball valve at 90° 1/4 SAE**

Cm	Blue	Red	Yellow	€
100	TB7493B	TB7493R	TB7493Y	-
150	TB7812B	TB7812R	TB7812Y	-
200	TB7593B	TB7593R	TB7593Y	-
300	TB7289B	TB7289R	TB7289Y	-
350	TB7913B	TB7913R	TB7913Y	-

**□ Ball valve at 90° 5/16 SAE**

Cm	Blue	Red	Yellow	€
100	TB7494B	TB7494R	TB7494Y	-
150	TB7813B	TB7813R	TB7813Y	-
200	TB7594B	TB7594R	TB7594Y	-
300	TB7290B	TB7290R	TB7290Y	-
350	TB7914B	TB7914R	TB7914Y	-



**□ Shut-Off 1/4 SAE**

Cm	Blue	Red	Yellow	€
100	TB7925B	TB7925R	TB7925Y	-
150	TB7927B	TB7927R	TB7927Y	-
200	TB7929B	TB7929R	TB7929Y	-
300	TB7931B	TB7931R	TB7931Y	-
350	TB7933B	TB7933R	TB7933Y	-

**□ Shut-Off 5/16 SAE**

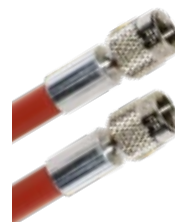
Cm	Blue	Red	Yellow	€
100	TB7926B	TB7926R	TB7926Y	-
150	TB7928B	TB7928R	TB7928Y	-
200	TB7930B	TB7930R	TB7930Y	-
300	TB7932B	TB7932R	TB7932Y	-
350	TB7934B	TB7934R	TB7934Y	-

□ In-line swivel connections 1/4 SAE

Cm	Blue	Red	Yellow	€
100	TB7401B	TB7401R	TB7401Y	-
150	TB7814B	TB7814R	TB7814Y	-
200	TB7501B	TB7501R	TB7501Y	-
300	TB7601B	TB7601R	TB7601Y	-
350	TB7701B	TB7701R	TB7701Y	-

□ In-line swivel connections 5/16 SAE

Cm	Blue	Red	Yellow	€
100	TB7402B	TB7402R	TB7402Y	-
150	TB7815B	TB7815R	TB7815Y	-
200	TB7502B	TB7502R	TB7502Y	-
300	TB7602B	TB7602R	TB7602Y	-
350	TB7702B	TB7702R	TB7702Y	-

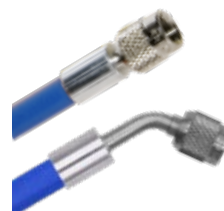


□ In-line swivel connections at 45° 1/4 SAE

Cm	Blue	Red	Yellow	€
100	TB7487B	TB7487R	TB7487Y	-
150	TB7804B	TB7804R	TB7804Y	-
200	TB7587B	TB7587R	TB7587Y	-
300	TB7283B	TB7283R	TB7283Y	-
350	TB7907B	TB7907R	TB7907Y	-

□ In-line swivel connections at 45° 5/16 SAE

Cm	Blue	Red	Yellow	€
100	TB7496B	TB7496R	TB7496Y	-
150	TB7817B	TB7817R	TB7817Y	-
200	TB7596B	TB7596R	TB7596Y	-
300	TB7292B	TB7292R	TB7292Y	-
350	TB7916B	TB7916R	TB7916Y	-

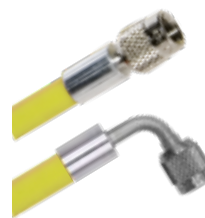


□ In-line swivel connections at 90° 1/4 SAE

Cm	Blue	Red	Yellow	€
100	TB7497B	TB7497R	TB7497Y	-
150	TB7818B	TB7818R	TB7818Y	-
200	TB7597B	TB7597R	TB7597Y	-
300	TB7293B	TB7293R	TB7293Y	-
350	TB7917B	TB7917R	TB7917Y	-

□ In-line swivel connections at 90° 5/16 SAE

Cm	Blue	Red	Yellow	€
100	TB7498B	TB7498R	TB7498Y	-
150	TB7819B	TB7819R	TB7819Y	-
200	TB7598B	TB7598R	TB7598Y	-
300	TB7294B	TB7294R	TB7294Y	-
350	TB7918B	TB7918R	TB7918Y	-



□ Ball valve 1/4 SAE connection

Cm	Blue	Red	Yellow	€
100	TB7413B	TB7413R	TB7413Y	-
150	TB7820B	TB7820R	TB7820Y	-
200	TB7513B	TB7513R	TB7513Y	-
300	TB7613B	TB7613R	TB7613Y	-
350	TB7713B	TB7713R	TB7713Y	-

□ Ball valve 5/16 SAE connection

Cm	Blue	Red	Yellow	€
100	TB7414B	TB7414R	TB7414Y	-
150	TB7821B	TB7821R	TB7821Y	-
200	TB7514B	TB7514R	TB7514Y	-
300	TB7614B	TB7614R	TB7614Y	-
350	TB7714B	TB7714R	TB7714Y	-

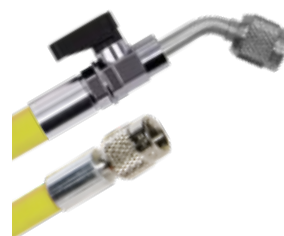


□ Ball valve at 45° 1/4 SAE

Cm	Blue	Red	Yellow	€
100	TB7499B	TB7499R	TB7499Y	-
150	TB7822B	TB7822R	TB7822Y	-
200	TB7599B	TB7599R	TB7599Y	-
300	TB7295B	TB7295R	TB7295Y	-
350	TB7919B	TB7919R	TB7919Y	-

□ Ball valve at 45° 5/16 SAE

Cm	Blue	Red	Yellow	€
100	TB7901B	TB7901R	TB7901Y	-
150	TB7823B	TB7823R	TB7823Y	-
200	TB7904B	TB7904R	TB7904Y	-
300	TB7296B	TB7296R	TB7296Y	-
350	TB7920B	TB7920R	TB7920Y	-



□ Ball valve at 90° 1/4 SAE

Cm	Blue	Red	Yellow	€
100	TB7902B	TB7902R	TB7902Y	-
150	TB7824B	TB7824R	TB7824Y	-
200	TB7905B	TB7905R	TB7905Y	-
300	TB7297B	TB7297R	TB7297Y	-
350	TB7921B	TB7921R	TB7921Y	-

□ Ball valve at 90° 5/16 SAE

Cm	Blue	Red	Yellow	€
100	TB7903B	TB7903R	TB7903Y	-
150	TB7825B	TB7825R	TB7825Y	-
200	TB7906B	TB7906R	TB7906Y	-
300	TB7298B	TB7298R	TB7298Y	-
350	TB7922B	TB7922R	TB7922Y	-



□ Shut-Off 1/4 SAE

Cm	Blue	Red	Yellow	€
100	TB7935B	TB7935R	TB7935Y	-
150	TB7937B	TB7937R	TB7937Y	-
200	TB7939B	TB7939R	TB7939Y	-
300	TB7941B	TB7941R	TB7941Y	-
350	TB7943B	TB7943R	TB7943Y	-

□ Shut-Off 5/16 SAE

Cm	Blue	Red	Yellow	€
100	TB7936B	TB7936R	TB7936Y	-
150	TB7938B	TB7938R	TB7938Y	-
200	TB7940B	TB7940R	TB7940Y	-
300	TB7942B	TB7942R	TB7942Y	-
350	TB7944B	TB7944R	TB7944Y	-





## 1-Way Manifold

With bar/psi Gauge

Art.-Nr.	Fitting	Ø Pressure Gauge	Colour	Type	Refrigerant Scale	Class	€
MN1115.01	1/4 SAE	68 mm	Red	HP	R32 - R410a	1.0	-
MN1116.01	5/16 SAE	68 mm	Red	HP	R32 - R410a	1.0	-
MN1117.01	1/4 SAE	68 mm	Blue	LP	R32 - R410a	1.0	-
MN1118.01	5/16 SAE	68 mm	Blue	LP	R32 - R410a	1.0	-



## 2-Way Manifold

With Diaphragm Valve and bar/psi Gauge

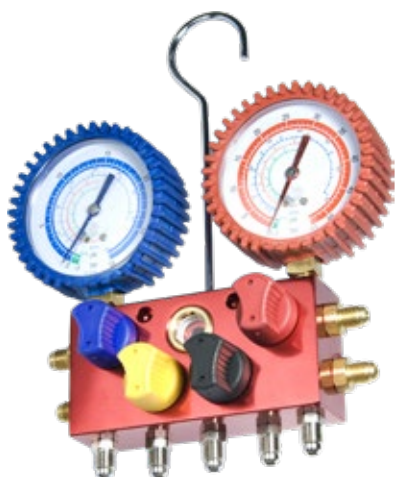
Art.-Nr.	Fitting	Ø Pressure Gauge	Refrigerant Scale	Class	€
MN1119.01	1/4 SAE	68 mm	R32 - R410a	1.0	-
MN1120.01	5/16 SAE	68 mm	R32 - R410a	1.0	-
MN1002.01	1/4 SAE	80 mm	R410a	1.6	-
MN.1003.01	5/16 SAE	80 mm	R410a	1.6	-



## 4-Way Ball Valve Manifold

With Diaphragm Valve and bar/psi Gauge

Art.-Nr.	Fitting	Ø Pressure Gauge	Refrigerant Scale	Class	€
MN1121.01	1/4 SAE	68 mm	R32 - R410a	1.0	-
MN1122.01	5/16 SAE	68 mm	R32 - R410a	1.0	-
MN1005.01	1/4 SAE	80 mm	R410a	1.6	-
MN1006.01	5/16 SAE	80 mm	R410a	1.6	-



## 4-Way Manifold

With Diaphragm Valve and bar/psi Gauge

Art.-Nr.	Fitting	Ø Pressure Gauge	Refrigerant Scale	Class	€
MN1123.01	1/4 SAE	68 mm	R32 - R410a	1.0	-
MN1124.01	5/16 SAE	68 mm	R32 - R410a	1.0	-
-	1/4 SAE	80 mm	R410a	1.0	-
-	5/16 SAE	80 mm	R410a	1.0	-



## Smart Tester R410 & R32

### Test for Air Conditioning and Refrigeration Systems

SMART TESTER is an extremely simple and innovative equipment to check and, if necessary, add refrigerant gas in A/C systems without using any other equipment (scale, hoses and manifold gauges).

- Ergonomic handle.
- Plastic case.
- 68 mm Ø gauge.



Art.-Nr.	€	
MN1091.01	-	01

## Two-stage High Vacuum Pumps

- Capacity: 70 L/min.
- Ultimate vacuum: 0.003 mbar.
- 1/4 SAE male thread.
- Intake solenoid valve.
- Vacuum gauge: Ø 80 mm class 1.6.
- Amount of oil: 250 mL.
- Power supply: 220 v/50 hz.
- Size: 315 x 124 x 240 mm.
- Weight: 8.6 kg.



Art.-Nr.	€	
VP1017.01	-	01

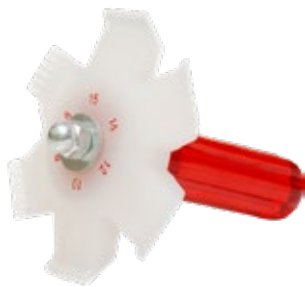
## High Vacuum Hose

### High Vacuum Rubber Hose with 3/8 SAE Female Fitting

- Withstands temperatures from -40°C + 82°C (-40°F to +180°F).
- Standard working pressure: 51 bar (750 psi).
- Burst pressure: 206 bar (3000 psi).
- Ø INNER: 8.1 mm (0.32 inch).
- Ø OUTER: 13.8 mm (0.545 inch)



Art.-Nr.	Description	€	
TB5196Y	150 cm hose	-	01
TB5197Y	240 cm hose	-	01



## Condenser Fin Comb and Straightener

This is a circular tool with 6 segments that straighten evaporator and condenser aluminium fins without damaging them. It can be used with fins of the following sizes: 6/8/10/12/14/15.

Art.-Nr.	€	
RL1010.01	-	01

## Universal Valve Core Removal Tool



Art.-Nr.	€	
RL1001.01	-	01

## Schrader Valve

25-piece pack.



Art.-Nr.	€	
RV1001.25	-	01

## A/C Valve Core Caps

5-piece pack.



Art.-Nr.	Description	€	
RT1002.05	Plastic Cap 1/4 SAE (A)	-	01
RT1202.05	Brass Cap 5/16 SAE (R410a - R32) (B)	-	01
RT1402.05	Brass Cap with Tool 5/16 SAE (R410a - R32) (C)	-	01

## Tappy AC/R Insulation Tape

Tappy is an insulation tape made of recycled butyl rubber designed to be used in air conditioning and refrigeration systems. It isolates AC/R components whose surfaces have to deal with condensate formation (service valves on condensing units, refrigeration piping, nozzles and couplings).

### Technical features:

- Can be used on both cold and hot pipes.
- Perfectly adheres to surfaces of any shape.
- Resists water, water vapour, oxidation, weathering, and ultraviolet rays.
- Stretching (ASTM D1344): >100%.
- Adhesion (ASTM D1344): >150 kPa.
- Working temperature: -40°C / +100°C.
- Transparent film for clean application.
- Does not contain asbestos.
- Width: 50 mm.
- Length: 7.62 m.
- Thickness: 3 mm.
- Weight: 1.6 kg.

Stretching: >100%

Art.-Nr.	€	
TR1015.01	-	01

# SealUp

## Removable AC/R Joint Sealant

- Creates a flexible but strong seal on the threaded or flanged AC/R fittings, adhering to internal surfaces and filling all micro-cracks.
- Prevents vibration from loosening nuts, joints, bolts, etc.
- Easy to remove.
- Can be applied on all plastics and metals.
- Temperature range use: -90°C to +200°C (-130°F to +392°F).
- Pressure range use: full vacuum and up to 500 bar/7250 psi.
- Resists refrigerant gases, combustible gases, refrigeration lubricants, fuels, solvents, industrial gases.
- Threaded spout for better sealing.



Art.-Nr.	Description	€			
TR1157.Y.01	50 mL tube	-	30	-	-

# Thor

## Sealant Remover and Surface Cleaner

- Removes sealant residues from surfaces. Ideal for cleaning surfaces before using External and FixQuick.
- Quick cleaning action: works in just a few minutes.



200 mL



Art.-Nr.	Description	€			
TR1013.J.01	200 mL can	-	24	2880	3168

# Ezi Oil

## Thread Cutting Oil

- Necessary to lubricate copper pipes during flanging.
- Particularly suitable for lubricating drill bits, tap and die sets, reamers and other tools that cut or incise metal.



200 mL



Art.-Nr.	€			
OL1009.J.01	-	24	2880	3168






**1:10**  
MAX DILUTION

## Eco Moka

**Natural and Biodegradable Cleaner for Coffee Machines and Electric Kettles**

- Environmentally friendly and biodegradable: formulated exclusively with natural and high-quality raw materials (lactic acid).
- Food grade formula: contains ingredients certified for direct food contact.
- Highly effective descaler: safely removes limescale, encrustations, and mould from the internal machine components, guaranteeing excellent hygienic conditions and preventing the formation of new encrustations over time.
- Preserves the taste and aroma of coffee.
- Extends the service life of the machine.
- Compatible with all coffee machines and electric kettles.

Art.-Nr.	Description	€			
AB1110.M.01	500 mL bottle	-	-	-	-






**1:4**  
MAX DILUTION

## Moka

**Cleaner for Coffee Machines and Electric Kettles**

- Highly effective descaling formula.
- Safely removes limescale, residues, and mould from the water tank and coffee machine nozzles.
- Regular use prevents the growth of algae and new encrustations.
- Preserves the taste and aroma of coffee.
- Extends the service life of the machine.
- HACCP compliant.
- NSF certified (A3).

Art.-Nr.	Description	€			
AB1081.K.S1	1 L bottle	-	06	480	576
AB1081.P.01	5 L tank	-	02	120	120
AB1081.D.01	10 L tank	-	01	-	-



# Greed

## Cleaner for Refrigerated Environments

- Completely and quickly removes food residues, grease, encrustations, and mould from the surfaces of refrigerated environments, including those used for food storage (cold storage rooms, refrigerators, freezers, etc.) or from the drains of cold storage rooms.
- Slows down the growth of new contaminants on surfaces.
- Regular use has a preventive effect.
- Requires rinsing.
- Formulated with tasteless raw materials suitable for indirect food contact.
- Any residual product is non-hazardous, as it is formulated with raw materials that comply with Regulation (EC) 1935/2004 - MOCA.
- HACCP compliant.



READY TO USE  
**RTU**

Art.-Nr.	Description	€			
AB1075.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1075.K.C1	1 L bottle	-	06	480	576
AB1075.P.01	5 L tank	-	02	120	120
AB1075.D.01	10 L tank	-	01	-	-



# SnowPlow

## Ice Machine Cleaner

- Effectively and safely removes limescale, mould, residues, algae, and encrustations from ice machine components (tray, nozzle, coil and drain).
- If used regularly, it prevents the growth of algae and encrustations.
- Requires rinsing; it is recommended to remove the first ice cubes produced.
- Formulated with tasteless raw materials suitable for indirect food contact.
- Any residual product is non-hazardous, as it is formulated with raw materials that comply with Regulation (EC) 1935/2004 - MOCA.
- HACCP compliant.
- NSF certified (A1, A3).



READY TO USE  
**RTU**

Art.-Nr.	Description	€			
AB1076.K.S1	1 L bottle	-	06	480	576
AB1076.P.01	5 L tank	-	02	120	120
AB1076.D.01	10 L tank	-	01	-	-



# Axe

## Freezer De-icer Spray

- Highly effective formula: it quickly melts ice from any surface, especially refrigerator ones.
- Removes ice from condensers and slows down its growth.
- Does not require rinsing.
- Safe: it does not contaminate food.
- HACCP compliant.



READY TO USE  
**RTU**

Art.-Nr.	Description	€			
AB1082.K.S1	1 L spray bottle - RTU	-	06	480	576







## Flow

### Alkaline Drain Cleaner

- Removes food, paper, mould and soap from slow sink drain.
- Eliminates unpleasant odours from sinks and drains.
- Can be used in all types of drains, both metal and plastic.
- Ideal for regular maintenance.

READY TO USE

RTU

Art.-Nr.	Description	€			
AB1080.K.01	1 L bottle	-	06	480	576



## Unclog

### Heavy Duty Drain Cleaner

- Clears blocked sinks and drains dissolving all food, paper, hair, mould, and soap residues that an alkaline product could not remove.
- Eliminates unpleasant odours from sinks and drains.
- Can be used in all types of drains, both metal and plastic.
- Does not corrode metals: it contains anticorrosive agents to limit aggression of the chrome-plated components of the drain.

READY TO USE

RTU

Art.-Nr.	Description	€			
AB1079.K.01	1 L bottle	-	06	-	-



## Sprinkle

### Long-lasting Waterproof Treatment

- Once applied to glass, tiles, and mirrors, it forms a protective thin layer that helps prevent water spots, dirt, and scale build-up.
- Ideal for cleaning shower boxes.
- Leaves no marks or residues.
- Quick and easy to apply.
- Gentle formulation: safe for surfaces.

READY TO USE

RTU

Art.-Nr.	Description	€			
AB1237.K.S1	1 L spray bottle	-	06	480	576



## Sunlit

### Acid Cleaner for Solar Thermal and Photovoltaic Panels

- Removes from solar panels heavy-duty encrustations such as salt, rust, limestone, concrete and chalk residues and any further inorganic dirt.
- Long-lasting protection.
- Avoid reduction in systems' performance.
- Ready to use.
- Safe: does not leave stains, resists high temperature and UV rays.
- Application temperature = +5 - +25°C.
- Enhances the cleaning action of Apollo -Errecom's alkaline cleaner for solar panels. Always use Apollo after using Sunlit to neutralise any acidic residues.


**1:2**

MAX DILUTION



Art.-Nr.	Description	€			
AB1254.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1254.K.C1	1L bottle	-	06	480	576
AB1254.P.01	5 L tank	-	02	120	120
AB1254.D.01	10 L tank	-	01	-	-

## Apollo

### Alkaline Cleaner for Solar Thermal and Photovoltaic Panels

- Removes even the heaviest and most stubborn dirt such as dust, debris, scale, etc. from solar panels.
- Once rinsed off, it leaves a protective film on the solar panel that slows down the growth of new deposits and protects it from corrosion.
- Restores and maintains the efficiency of solar panels over time.
- Alkaline-based formula.
- Does not damage surfaces; also safe for plastics.
- Safe for solar panels: it does not affect their performances and does not get absorbed.


**1:2**

MAX DILUTION

Art.-Nr.	Description	€			
AB1086.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1086.K.C1	1L bottle	-	06	480	576
AB1086.P.01	5 L tank	-	02	120	120
AB1086.D.01	10 L tank	-	01	-	-

## Sunclean

### Alkaline Cleaner for Solar Thermal and Photovoltaic Panels

- Removes even the heaviest and most stubborn dirt such as dust, debris, scale, etc. from solar panels.
- Restores and maintains the efficiency of solar panels over time.
- Alkaline-based formula.
- Does not damage surfaces; also safe for plastics.
- Safe for solar panels: it does not reduce the efficiency of heat exchange.


**1:2**

MAX DILUTION

Art.-Nr.	Description	€			
AB1258.K.S1	1 L spray bottle - RTU	-	06	480	576
AB1258.K.C1	1L bottle	-	06	480	576
AB1258.P.01	5 L tank	-	02	120	120
AB1258.D.01	10 L tank	-	01	-	-






# Heavy Duty Wipes

## Cleaning Wipes for Hands, Tools, and Surfaces



- Effectively removes various types of dirt: oil, lubricant, grease, rust, tar, bitumen, graphite, glues, resins, sealants, paints, inks, dyes, etc.
- Multi-purpose: can be used for cleaning hands, working tools and surfaces.
- Degreasing and antibacterial action. Does not require rinsing.
- Slightly abrasive and very resistant fabric.
- Dermatologically tested. Contains natural solvents.
- Eliminates unpleasant odours, leaving a pleasant citrus scent.
- Contains emollients (lanolin).

Art.-Nr.	Description	€			
TR1228.01	40 wipes	-	06	-	-
TR1229.01	100 wipes	-	04	-	-



# Water Treatment

Water Treatment for Heating Systems

## Conditioners

### Cleaning and Protection



- Neutral pH chemical conditioner.
- Protects plastics and metals from corrosion.
- Minimises attack caused by acid contaminants circulating in systems.
- Suitable for multi-metals heating systems.
- Extends system life.
- Maximises the efficiency of the system.
- Reduces energy consumption.
- Reduces maintenance costs.



- Heating system
- Steam boiler
- Underfloor heating system
- Water system
- Universal

Art.-Nr.	Description	
TR1304.K.01	1 L Bottle	-
TR1304.P.01	5 L Tank	-
TR1304.T	25 L Tank	-

## Antifreeze - Heat Transfer Fluid

### Concentrated Propylene Glycol



- Concentrated propylene antifreeze with long-lasting OAT organic inhibitors.
- High concentration of alkaline additives.
- Free of amines, nitrites, phosphates, borates, and silicates.
- Protects all metals in the heat exchange circuit.
- Frost protection down to -32°C.
- Biodegradable.



- Summer and winter air conditioning system
- Geothermal system
- Underfloor heating system

Art.-Nr.	Description	
TR1305.P.01	5 Kg Tank	-
TR1305.D.01	10 Kg Tank	-
TR1305.T	25 Kg Tank	-
TR1305.B	210 Kg Tank	-




## Antifreeze - Heat Transfer Fluid - Food & Med

### Concentrated Food-Grade Propylene Glycol

- Concentrated food-grade propylene glycol-based antifreeze, suitable for indirect contact with food and medical devices.
- Contains bipotassium phosphate-based corrosion inhibitor package.
- Safe for non-metallic materials in the cooling circuit.
- Biodegradable.
- Non-toxic and non-hazardous.
- Maximum freezing point - 60°C.
- Maximum boiling point +180°C.



- Food Industry
- Medical Industry

Art.-Nr.	Description	
TR1306.P.01	5 Kg Tank	-
TR1306.D.01	10 Kg Tank	-
TR1306.T	25 kg Tank	-
TR1306.B	210 Kg Tank	-


## Antifreeze - Heat Transfer Fluid - Solar

### Ready-to-use Propylene Glycol - Fluorescent Yellow

- Free of amines, nitrites, phosphates, borates, and silicates.
- Specific for solar panels.
- Contains OAT inhibitor package.
- Resists thermal stress (GFC-CEC-FL-21-A-0).
- Thanks to the fluorescent formulation, it easily detects leaks.
- Protects aluminium and its alloys.
- Biodegradable.
- Frost protection down to -32°C.



- Solar thermal system

Art.-Nr.	Description	
TR1307.P.01	5 Kg Tank	-
TR1307.D.01	10 Kg Tank	-
TR1307.T	25 Kg Tank	-
TR1307.B	210 Kg Tank	-

## Alkaline Descalers

Organic residues and grease removal



- Alkaline inhibited descaler.
- Easily removes and prevents organic residues, grease, dirt, and corrosion.
- High degreasing power.
- Specific for cleaning heat exchangers of condensing boilers.
- Removes iron and limescale residues in the exchangers of boilers, including condensing and aluminium boilers, without corroding them.



- Heating system
- Steam boiler
- Underfloor heating system
- Water system
- Universal

Art.-Nr.	Description	
TR1309.K.01	1 L Bottle	-
TR1309.P.01	5 L Tank	-
TR1309.D.01	10 L Tank	-
TR1309.T	25 L Tank	-

## Acid Descalers

Encrustations, corrosion, oxidation removal from metal components



- Acid inhibited descaler.
- Easily removes and prevents limescale, pollutants, and carbonate encrustations.
- Removes rust and oxidation from metals, in particular steel, copper, cast iron.
- Do not use on aluminium or galvanized surfaces.
- Quickly removes lime or siliceous residues from pipes and closed circulation systems of boilers and heat exchangers.



- Water system
- Toilet tanks
- Heating system
- Condensing boilers

Art.-Nr.	Description	
TR1310.K.01	1 L Bottle	-
TR1310.P.01	5 L Tank	-
TR1310.D.01	10 L Tank	-
TR1310.T	25 L Tank	-

## Cleaners

### Sludge Cleaning and Removal

- Removes sludge and limescale.
- Solubilises and keeps limescale and organic and metallic deposits in suspension until draining.
- Anticorrosive action against plant metals, including aluminium.
- Does not contain chromates, in compliance with current regulations (Law no. 319/76)
- Restores correct operation of exchanger and circulator, as well as correct circulation in partially blocked radiant elements.



- Underfloor heating system
- Heating system
- Solar thermal system
- Specific for old system



Art.-Nr.	Description	
TR1308.K.01	1 L Bottle	-
TR1308.P.01	5 L Tank	-

## Passivating Agents

### Passivation and Protection

- Passivating agent with anticorrosive action specific for aluminium.
- Protective, stable, and long-lasting filming action.
- Totally soluble in water, even glycol.
- Stable and effective protection even in the presence of hard water.
- Non-hazardous.
- Extends the life of the system.
- Excellent in protecting performance even in dated systems.



- Solar thermal system
- Heating system



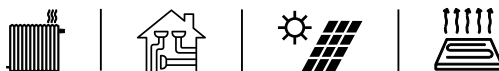
Art.-Nr.	Description	
TR1302.P.01	5 L Tank	-
TR1302.D.01	10 L Tank	-
TR1302.T	25 L Tank	-

# Leak Stop

## Sealant for Leakages



- Sealing power: it fixes leaks in heating systems.
- Seals leaks in a very short time (max. 1 week).
- Fixes leaks from 10 to 30 L/day.
- Specific for the maintenance of radiators, sleeves, and heating systems.
- Compatible with plastics, rubber and system metals including aluminium.
- Effectively stops leaks and drips.
- Excellent for preventive use.
- Can remain in the system without causing any damage.



- Heating system
- Steam boiler
- Underfloor heating system
- Water system
- Universal

Art.-Nr.	Description	
TR1303.K.01	1 L Bottle	-
TR1303.P.01	1 L Bottle	-
TR1303.D.01	10 L Tank	-

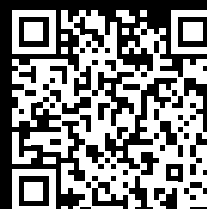
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## **ERRECOM SPA**

Via Industriale, 14  
25030 Corzano  
Brescia – ITALY

## **ERRECOM USA LLC**

1900 North Bayshore Drive  
1A Suite 129  
Miami, FL 33132 – USA

## **ERRECOM MDE**

Nassima Tower Office 408A, 4<sup>th</sup> Floor,  
Sheikh Zayed Road, Trade Center 1,  
P.O. Box 124303,  
Dubai, U.A.E.