Swiss solutions for HVAC/R service



REFCO



Shaping the future with clarity

REFCO continues to evolve, with a clear focus on making a tangible difference, on looking ahead with purpose, and on growing together. This is not just about entering new markets, but about developing solutions that make a real difference in everyday work.

For us, innovation means making the work of refrigeration and HVAC technicians easier, more efficient, and more precise. That is why we develop products that solve real challenges. Thoughtfully designed, robust, and built with the ambition to do the right things exceptionally well.

Behind this success are the employees in Hitzkirch, in the heart of Switzerland. More than 100 people bring their knowledge, experience, and passion to work every day. They are the people who shape REFCO and bring the brand to life.

In this magazine, we give them a voice and introduce the people behind our products and solutions.

I look forward to everything that lies ahead.

Benno Brinlinger,
CEO



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The brand

With passion for HVAC/R

Since 1972, REFCO has stood for professional solutions for the HVAC/R industry.

Today, REFCO is an established premium brand with a clear mission: developing tools and service equipment that support professionals in their daily work.

With a portfolio of more than 1,800 products and a global distribution network, REFCO will continue to be the reliable partner for HVAC/R professionals worldwide.




REFCO

REFMASTER

The intuitive digital manifold that guides you through every step of the job.

REFMASTER is the new hub within the REFMESH ecosystem. One-handed operation and the large touchscreen display make navigating through the menus simple and intuitive.

Combined with the new REFTUNE, it automatically adjusts thermostatic expansion valves to the optimal position for the most energy-efficient operation of the system.

Powered by SH Tuner™

New



TECHNICAL DATA ***Pressure range:*** *–0.95 to 60 bar,* ***pressure accuracy:*** *±0.5% FS,* ***temperature range:*** *–40 to 125 °C,* ***temperature accuracy:*** *±1 K,* ***display:*** *5“ TFT,* ***ingress protection:*** *IP54,* ***Bluetooth range:*** *up to 300 m*

REFTUNE



TECHNICAL DATA ***Dimensions:*** *140 × 50 × 53 mm,* ***weight:*** *150 g,* ***max. torque:*** *5 Nm,* ***ingress protection:*** *IP54,* ***Bluetooth range:*** *80 m,* ***battery:*** *800 mAh,* ***power supply:*** *USB-C*

The world's first automatic energy optimiser



Powered by SH Tuner™

REFTUNE automatically adjusts the thermostatic expansion valve to the optimal position based on measurements from REFMASTER and the Danfoss SH Tuner™ algorithm.

REFTUNE replaces the time-consuming manual adjustment of thermostatic expansion valves and increases energy efficiency by around ten percent.

Swiss precision

Precision is a mindset. In Hitzkirch, we develop and manufacture Swiss precision tools that meet the highest standards of quality.

Through global patents, we protect our innovations, create competitive advantages and strengthen our position in the premium market segment.




REFCO

REFNRG



Clear insights into system performance

REFNRG makes the power consumption of modern systems visible. AC and DC measurements provide the basis for verifying energy savings and documenting them in REFMESH.

New

TECHNICAL DATA *AC/DC current: up to 600 A, AC/DC voltage: up to 1000 V, temperature: –40 to 1000 °C, resistance: up to 60 MΩ, capacitance: up to 60 mF, clamp opening: 33 mm*

REFCLAMP



Temperature and humidity under control

REFCLAMP measures tube and air temperature as well as humidity and provides readings for determining superheat, subcooling, Delta T and target superheat. All readings are available in real time on the clamp, REFMATE or REFMASTER, and in REFMESH.

TECHNICAL DATA *Temperature range: –40 to 150 °C, temperature accuracy: ±1 K, humidity range: 5–100%, tube diameter: 5–44 mm, signal range: 300 m*

Certified processes

Precision extends to every detail. Our ISO 9001 certification stands for clearly defined processes, consistent standards and our commitment to improving every day.




REFCO
REFCO

ENVIRO-DUO-EX

Certified products for your safety

ATEX-certified products provide maximum safety when working in potentially explosive environments.

Work with refrigerants without risk

The ENVIRO-DUO-EX recovery station ensures safe operation, even when working with flammable refrigerants.



TECHNICAL DATA ***Recovery rate vapour:*** *up to 20 kg/h (Cat. V),* ***recovery rate liquid:*** *up to 393 kg/h (Cat. V),* ***compressor:*** *1 HP / 0.75 kW,* ***overfill protection:*** *80%,* ***weight:*** *12.8 kg*

ECO-5-EX



New

Fast and safe to a deep vacuum

The two-stage ECO-5-EX is designed for fast, high-performance evacuation. ATEX-certified, it is also suitable for flammable refrigerants up to A3. The integrated solenoid valve protects the vacuum in the event of a power interruption or accidental shutdown.

TECHNICAL DATA ***Flow rate:*** *142 l/min,* ***final vacuum:*** *15 micron,* ***number of stages:*** *2,* ***power consumption:*** *0.37 kW,* ***gas connection:*** *1/4“ SAE | 3/8“ SAE,* ***oil tank volume:*** *460 ml,* ***weight:*** *12.6 kg*

Focus on performance

With experience, care and a keen eye for every detail, we create REFCO products that prove themselves in everyday use.

Every step contributes to turning precision components into reliable solutions for professionals.




REFCO

FLARE-e



Precise flaring at the touch of a button

FLARE-e makes precise 45° flaring fast and easy. Its compact design makes it easier to work in hard-to-reach areas, while the powerful battery delivers up to 170 flares per charge.

TECHNICAL DATA ***Flare angle:*** *45°,* ***versions:*** *metric / imperial,* ***tube sizes:*** *up to 18 mm / 3/4“,*
flares per charge: *up to 170,* ***battery:*** *12 V / 2.5 Ah / 30 Wh,* ***weight incl. battery:*** *1.12 kg,* ***illumination:*** *integrated LED*

EXPAND-e

Expand quickly and connect precisely

EXPAND-e expands soft copper tubes quickly and precisely, creating the basis for high-quality brazed joints. In just five seconds per expansion, the powerful battery delivers over 400 expansions per charge.

New



TECHNICAL DATA *Tube sizes: 6–42 mm / 1/4“–1 5/8“, versions: metric / imperial, expansion time: 5 s, expansions per charge: over 400, battery: 12 V / 2.5 Ah / 30 Wh, dimensions: 262 × 218 × 68 mm, weight incl. battery: 1.58 kg*

We are REFCO

Behind every product are people who think ahead, take action and take responsibility.

Together, we continue the REFCO story with pride, passion and team spirit.




REFCO

DETECTOR-CO2

New



Reliably detect even the smallest leaks

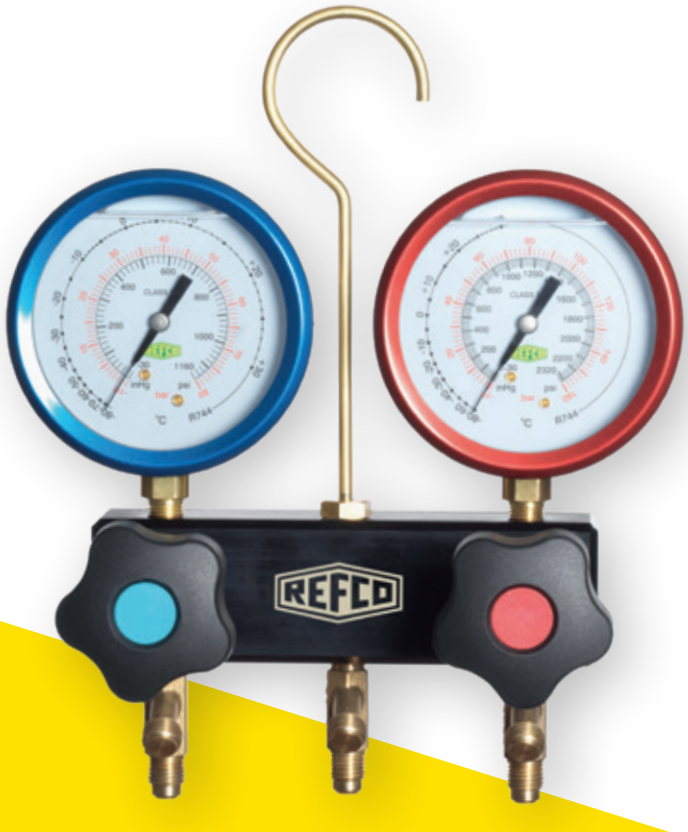
The highly sensitive optical gas sensor detects even the smallest R744 leaks. Three sensitivity levels and automatic background compensation support reliable leak detection.

TECHNICAL DATA ***Sensitivity:*** *high 3 g/year / medium 15 g/year / low 30 g/year,* ***sensitivity levels:*** *3,* ***probe length:*** *40 cm,* ***display:*** *4-colour LCD,* ***sensor life:*** *approx. 10 years,* ***power supply:*** *4 × AA / Micro-USB*

M2-3-DELUXE-DS-R744-TC

High pressure under perfect control

The robust 2-way manifold is designed for transcritical CO_2 applications up to 160 bar. Precise pressure gauges and needle valves ensure reliable pressure control and regulation.



TECHNICAL DATA ***Pressure range:*** *up to 160 bar,* ***pressure gauges:*** *oil-filled Bourdon tube pressure gauges,* ***accuracy class:*** *1.0,* ***hoses:*** *high-pressure resistant up to 160 bar with interlock fittings in accordance with DIN EN ISO 4413*

Expertise and know-how

Experience grows with every product and every task. Our know-how combines technical expertise with practical skills.

We are proud of the knowledge we share and of the people who develop it further every day.




REFCO

VAMP

Condensate management has never been easier

The VAMP series offers the right solution for every installation situation: quick to install, flexible in use and reliable in operation.



VAMP-F

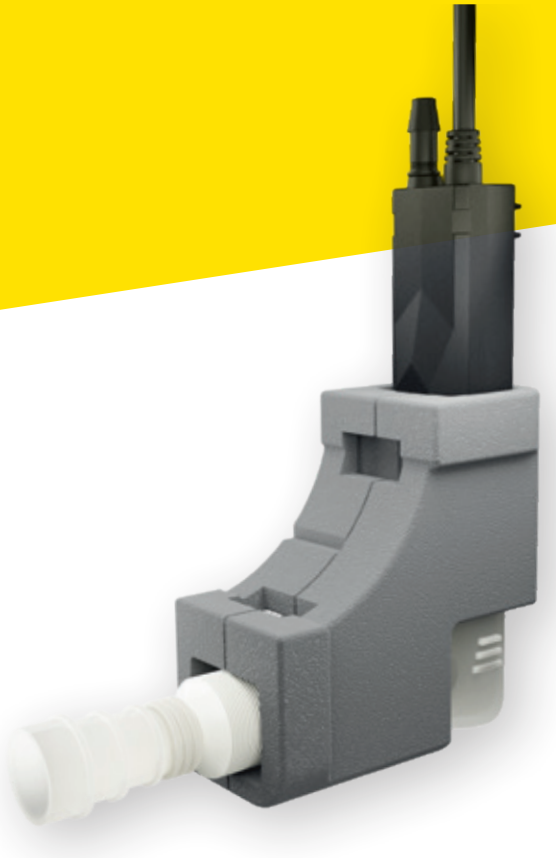
The smallest condensate pump for installation inside the indoor unit. Few components enable a quick and tool-free installation.

TECHNICAL DATA ***Max. flow rate:*** *22 l/h,* ***max. discharge head:*** *15 m,* ***max. suction height:*** *2 m,* ***max. horizontal run:*** *75 m,* ***ingress protection class:*** *IP44,* ***sound level:*** *<18 dB(A)*

VAMP-X

Maximum flexibility with an external sensor. With its split design, both components can be positioned freely.





VAMP-C

The replacement solution for corner condensate pumps. Plug in, connect and you're done. Specifically designed to replace condensate pumps from other manufacturers.

VAMP

VAMP-CK

The compact corner condensate pump blends neatly into any environment. Compatible with standard duct systems.



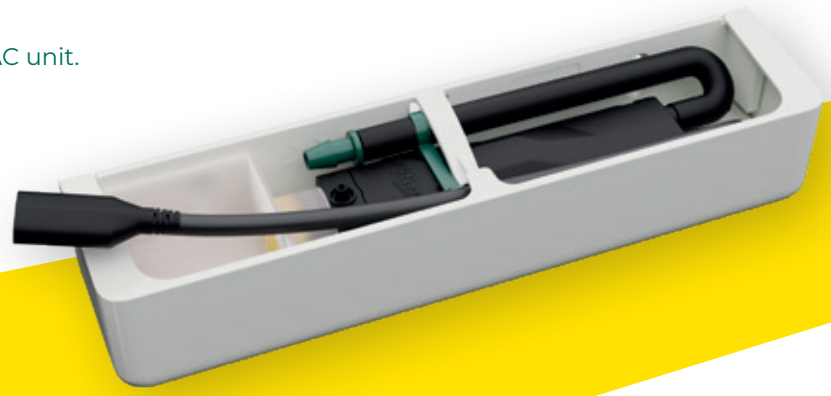


VAMP-CDK

The complete corner condensate pump set. A well-designed system solution for new installations.

VAMP-U

Condensate pump for direct installation underneath the AC unit.



New



Power cable adapters

The smart adapters enable a fast replacement of existing condensate pumps from other manufacturers.



Anti-Siphon

The ANTI-SIPHON prevents gurgling noises when the water outlet is positioned lower than the condensate pump.

Maximum availability

Our logistics connects products, warehouses and customers worldwide. Precise, reliable and forward-thinking.






VAMP-X
VAMP-X
VAMP-C
REFCO
VAMP



Simplicity through innovation

For us, consultation is not about selling products, but about talking as equals. With the aim of finding the right solution together.

That is why we listen carefully to understand the challenges HVAC/R technicians face.

The world’s first automatic energy optimiser

REFTUNE

Combined with the REFMASTER digital manifold, REFTUNE automatically adjusts the thermostatic expansion valve to the optimal position, increasing energy efficiency by around ten percent.



New



Danfoss

Powered by SH Tuner™

DISCOVER THE PRODUCT ONLINE

REFCO

Acknowledged globally