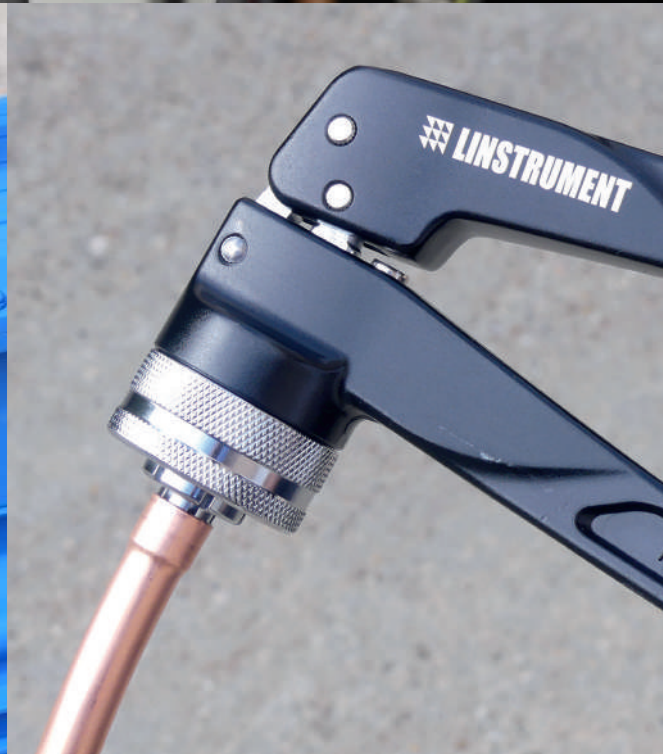




TOOLS AND INSTRUMENTS HVAC/R

www.linstrument.com



AFD-550K**Anemometer - manometer combo****Compliant with DIAGVENT-
PROMEVENT protocol**

Professional measurement solutions for air velocity, airflow, and differential pressure, ideal for balancing ventilation and air conditioning systems.

FEATURES :

- ✓ Air velocities and flow rate measurement at grilles and air vents according to the DIAGVENT-PROMEVENT protocol
- ✓ Depression measurement at VMC outlets
- ✓ Depression measurement on system components (filters, dampers, control modules, etc.)
- ✓ Timely MIN / MAX / AVG functions
- ✓ 8 storable airflow zones

SPECIFICATIONS:

- ✓ Velocity : 0.4 – 30 m/s (accuracy $\pm 3\% \pm 0.2$ m/s)
- ✓ 5 velocity units : m/s, ft/min, km/h, mph, knots
- ✓ 2 flow units : m³/h, cfm
- ✓ Pressure : +3400 Pa (resolution 1 Pa, accuracy $\pm 0.3\%$ PE)
- ✓ 5 pressure units : mbar, Pa, inHg, mmHg, psi
- ✓ Temperature : 0 to 50°C (resolution 0.1°C, accuracy $\pm 1^\circ\text{C}$)
- ✓ Impeller diameter : $\varnothing$ 76mm
- ✓ Battery : 9V
- ✓ Factory calibration certificate
- ✓ Robust protective case
- ✓ Instruction manual and quick start guide
- ✓ Mounting magnet
- ✓ 2 silicone hoses 1m
- ✓ K-250 flow cone (optional)



Versions	Ref.	Designation
AFD-550K	6091000	Kit including AFD-550 + K-250
AFD-550	6001000	Combo manometer - anemometer with propeller
K-250	6002000	Square cone for VMC vents 250 x 250 mm

**BZ-100-CO****Single-gas CO detector**

BZ-100-CO is a low-power gas detector with intrinsic safety, capable of continuously measuring carbon monoxide concentration in the environment. The device is reliable and reinforced with a highly durable IP67 protective housing, making it resistant to water and dust.

FEATURES :

- ✓ LCD display
- ✓ Compact housing, easy to transport
- ✓ Protection : IP67 / IP68
- ✓ Device expiration date reminder
- ✓ Backlighting and visual alarms
- ✓ Audible, visual, and vibrating alarm signals
- ✓ Multiple alarms : low, high, TWA, STEL, sensor overload, etc.
- ✓ ATEX Ex ia IIC T4 Ga
- ✓ DC power supply 3.6V (ER14250) 1.2Ah

SPECIFICATIONS :

- ✓ Electrochemical sensor
- ✓ Detection range : 0 à 500 ppm
- ✓ Alarm thresholds :
 - Low : 35 ppm
 - High : 200 ppm
 - TWA : 20 ppm
 - STEL : 100 ppm
- ✓ Absolute deviation : ± 5 ppm
- ✓ Relative deviation : $\pm 10\%$
- ✓ Response time : T90 < 30s
- ✓ Ambient conditions : -20° ~ 50°C / <95 %RH (non-condensing)



Ref.	Designation
2008950	Single-gas CO detector BZ-100-CO

E110-CO2**Single-gas CO2 detector****NEW !**

E110-CO2 is an intrinsically safe portable CO2 detector designed to provide continuous and reliable monitoring of carbon dioxide concentrations in industrial environments. Compact, rugged and ergonomic, it features a high-strength engineering plastic housing with a non-slip composite rubber overmold, offering excellent impact resistance as well as effective protection against water and dust.

FEATURES :

- ✓ Latest-generation low-power MCU (Micro-controller Unit)
- ✓ Wide-angle graphic LCD display
- ✓ Automatic combustible gas sensor self-diagnosis
- ✓ Low battery warning
- ✓ Built-in real-time clock
- ✓ Automatic calibration function to reduce measurement errors
- ✓ Audible, visual and vibration alarms
- ✓ Multiple alarm functions: Low alarm, High alarm, Over-range alarm and low battery alarm
- ✓ Power-on self-test (automatic diagnostics)
- ✓ Password protection to prevent unauthorized operation

SPECIFICATIONS :

- ✓ Detection principle: Natural diffusion
- ✓ Sensor type: NDIR sensor
- ✓ Measuring range: 0–5 %VOL
- ✓ Display accuracy: $\pm 5\%$ F.S.
- ✓ Operating environment:
 - Temperature : -20 °C to +55 °C
 - Humidity : < 95 % HR RH (non-condensing)
 - Atmospheric pressure : 90 to 110 kPa
- ✓ ATEX and IECEx certified



Ref.	Designation
2008960	Single-gas CO2 detector E110-CO2

DPR-5K**Differential pressure micro-manometer**

The device measures gauge/differential pressure from -5000 Pa to +5000 Pa.

SPECIFICATIONS :

- ✓ Pressure : $\pm 0,3\%$ FSO (25°)
- ✓ 11 pressure units
- ✓ Repeatability : $\pm 0,2\%$ (Max. $\pm 0,5\%$ FSO)
- ✓ Linearity/hysteresis : $\pm 0,29\%$ FSO
- ✓ Range : $\pm 5000\text{Pa}/\pm 0,725\text{psi}$
- ✓ Max. pressure : 2psi
- ✓ Response time : 0,5s (typical)
- ✓ Operating conditions : 0 à 50°C
- ✓ Storage conditions : -10 à 60°C
- ✓ Power Supply : 3x AA batteries



Ref.	Designation
6004000	Differential pressure micro-manometer DPR-5K

BX-616**Portable multi-gas detector**

BX-616 is a portable multi-gas detector that continuously measures concentrations of O2, CO, H2S, and combustible gases (CH4). It alerts the user when dangerous thresholds are exceeded due to toxicity or explosion risk.

FEATURE :

- ✓ Compact and lightweight design
- ✓ One-touch operation
- ✓ Fully programmable threshold alarms
- ✓ STEL and TWA alarms available
- ✓ Auto-test and auto-correction functions
- ✓ Clip hook for attaching the device to a belt or jacket
- ✓ IP-66 protection
- ✓ ATEX II 2G Ex db ia IIC T4 Gb
- ✓ Power supply: DC 3.7V 1800mAh lithium

SPECIFICATIONS :

- ✓ O2 : 0 to 25% VOL (electrochemical sensor)
- ✓ CO : 0 to 500 ppm (electrochemical sensor)
- ✓ H2S : 0 to 100 ppm (electrochemical sensor)
- ✓ Combustibles : 0 to 100% LEL CH4 (catalytic sensor)
- ✓ Measurement type : natural diffusion
- ✓ Alarms : visual and audible (>85 dB at 1m)
- ✓ Battery life : 8 hours on a full charge (minimum 4 to 6 hours)



Ref.	Designation
2008970	Portable multi-gas detector BX-616

TREK-POWER-EX

ATEX 1.3hp recovery unit

TREK-POWER-EX is an ATEX ignition-proof 1.3 HP recovery unit, compatible with all refrigerants including R290 (A3) and R32 (A2L). Powerful and versatile, it is suitable for all types of refrigeration and HVAC installations.

FEATURES :

- ✓ Powerful 1.3 HP BLDC (Brushless DC) motor with oil-free compressor
- ✓ Dry piston compressor with long-life seal
- ✓ User-friendly interface with high- and low-pressure gauges
- ✓ Particle filter on the INLET port, easy to clean
- ✓ Compact and lightweight unit with a robust housing (11.3 kg)
- ✓ High-airflow fan with micro-channel condenser to cool the unit and the recovered refrigerant
- ✓ Integrated purge valves (self-cleaning or draining) to prevent contamination
- ✓ High-pressure cut-off switch set at 38 bar
- ✓ Status indicator lights
- ✓ High recovery rates (see table)
- ✓ Ignition-proof design, tested and approved according to ISA 12.12.01:2016 Ed.7
- ✓ ATEX certified Ex II 3G ec ic nc IIA T4 Gc



R32 ✓
R290 ✓



Recovery rate

Refrigerants fluids	Direct vapor	Direct liquid	Push-pull liquid	High temp vapor rate
R22,R290	0.35kg/min	0.35kg/min	0.35kg/min	0.35kg/min
R134a	0.30kg/min	4kg/min	7kg/min	
R410a	0.4kg/min	6kg/min	11kg/min	
R32	0.4kg/min	0.6kg/min		

Ref.	Designation
2001750	TREK-POWER ATEX 1.3hp recovery unit

TREK-ONE

3/4hp recovery unit

Don't let its compact size fool you. The TREK-ONE recovery station packs all the features you need at a perfectly controlled budget. For example, it includes an internal purge circuit that eliminates the need for an external device to completely evacuate the gas at the end of the operation.

FEATURES :

- ✓ 3/4 hp dry piston compressor for recovering category III, IV, and V fluids, including R410A.
- ✓ Compatible with A2L gases, including R32, thanks to its explosion-proof components.
- ✓ Central control valve for simplified operation.
- ✓ Low-pressure switch preset to 0.27 bar, automatically stops recovery when the system is empty.
- ✓ High-pressure switch preset to 38 bar, prevents overpressure in the recovery tank.
- ✓ Interchangeable inlet filter to protect the compressor.
- ✓ Compact and lightweight: 13 kg

R32 ✓



Recovery rate		
	R134a	R410A
Vapor	0,18 kg/min	0,25 kg/min
Liquid	1,60 kg/min	2,20 kg/min
Push-pull	4,60 kg/min	6,30 kg/min

Ref.	Designation
2001150	3/4 hp recovery unit TREK-ONE



VPX-SERIES**VPX-R32 double stage vacuum pump**

R32 ✓

**FEATURES :**

- ✓ Compact, ultra-light (less than 8kg!) and cost-effective, ideal for all types of air conditioning projects (split, multi-split, ducted, VRV)
- ✓ Compatible with standard 1/4" SAE hoses and high-flow 3/8" SAE hoses
- ✓ R32 compatible thanks to its anti-deflagrant components
- ✓ More powerful and lightweight «DC brushless» motor with extended lifespan
- ✓ Includes solenoid valve and integrated vacuum gauge on top of the pump for easier reading
- ✓ Optimal performance with the digital vacuum gauge VGW-760
- ✓ Anti-oil fog design prevents leakage risk in case of pump overturn.

SPECIFICATIONS :

- ✓ Power / floxrate:
 - VPX-240 model : 1/3hp - 114L/min
 - VPX-260 model : 1/2hp - 170L/min
 - VPX-300 model : 3/4hp - 282L/min

Ref.	Designation
2002540	Double stage vacuum pump 114 L/M VPX-240
2002560	Double stage vacuum pump 170 L/M VPX-260
2002580	Double stage vacuum pump 282 L/M VPX-300

HVP-SERIES**ATEX enhanced safety vacuum pump****NEW !**

HVP-SERIES is an ATEX vacuum pump designed for refrigeration systems using flammable refrigerants such as R290 (A3) and R32 (A2L). Its ultra-compact and lightweight design provides a safe, high-performance, and portable solution for service applications.

R32 ✓

R290 ✓

**FEATURES :**

- ✓ Compact, ultra-light : 8,8kg (HVP-220) and 10,5kg (HVP-250)
- ✓ Protection: IP-55
- ✓ Insulation class: F
- ✓ Double-stage rotary vane pump
- ✓ 5m crystal vapor discharge hose for installations with A3 (R290) refrigerants
- ✓ Exhaust standard cap with filter for installations with A1 or A2L (R32) refrigerants
- ✓ Thermal and surge protection
- ✓ Integrated gas ballast to reduce oil contamination from moisture
- ✓ Exclusive LINSTRUMENT design
- ✓ ATEX certified Ex II 3G Ex ec ic nCh IIA T4 Gc

SPECIFICATIONS :

- ✓ Power/ flowrate :
 - HVP-220 model: 1/3hp - 100L/min
 - HVP-250 model : 1/2hp - 150L/min

Ref.	Designation
2002720	ATEX vacuum pump 100L/min HVP-220-EX
2002750	ATEX vacuum pump 150 L/min HVP-250-EX

HVP-260-EX-A**ATEX explosion-proof vacuum pump compatible with ammonia (NH3/R717)****NEW !**

HVP-260-EX is an ATEX explosion-proof high-flow vacuum pump with a capacity of 170 L/MIN, compatible with all gases including R290 (A3), R32 (A2L) and ammonia (NH3/R717). Powerful and versatile, it is suitable for all types of refrigeration and HVAC installations.

R32 ✓

R290 ✓

R717 ✓

**FEATURES :**

- ✓ 1 HP high-performance explosion-proof motor
- ✓ Capacity: 170 L/min to 50hz - 198 L/min to 60hz (7 cfm)
- ✓ Specific anti-corrosion treatment for ammonia (NH3/R717)
- ✓ Protection: IP-55
- ✓ Insulation class: F
- ✓ 5m crystal vapor discharge hose for installations with A3 (R290) refrigerants
- ✓ Exhaust standard cap with filter for installations with A1 or A2L (R32) refrigerants
- ✓ Integrated gas ballast to reduce oil contamination from moisture
- ✓ Thermal and surge protection
- ✓ High-capacity 200µF start capacitor
- ✓ ATEX certified Ex II 3G Ex dc IIB T4 Gc

Ref.	Désignation
2002860	ATEX vacuum pump 170L/min HVP-260-EX-A

BLW-250-EX

ATEX explosion proof fan

The ATEX BLW-250-EX fan is designed for handling fluids on installations containing A3-type refrigerants. It ensures operator safety in the event of a leak or degassing by quickly extracting flammable vapors.

For optimal configuration, it is recommended to use an explosimeter calibrated for R290 or R600a to monitor the air within the temporary flammable zone. We recommend the ATEX YT-1200H-S-R290 device from the LINSTRUMENT® brand, which is particularly suitable for this application.

SPECIFICATIONS :

- ✓ Chassis: Steel
- ✓ Fan blade: Aluminum alloy
- ✓ Power: 180 W
- ✓ Voltage: 220 V
- ✓ Frequency: 50 Hz
- ✓ Speed: 2850 rpm
- ✓ Airflow: 25 m³/min
- ✓ Total pressure: 245 Pa
- ✓ Insulation class: F
- ✓ Ex marking: Ex db IIB T4 Gb
- ✓ Dimensions: 40 cm (W) × 38 cm (D) × 42 cm (H)



Ref.	Designation
2002100	BLW-250-EX ATEX explosion proof fan

KIT-ADC-DIGI+

Refrigerant capacity certification kit

Ref.	Designation
2090750	KIT-ADC-DIGI+
2090755	KIT-ADC-DIGI+-VZE*



KIT-ADC-MULTI

Refrigerant capacity certification kit

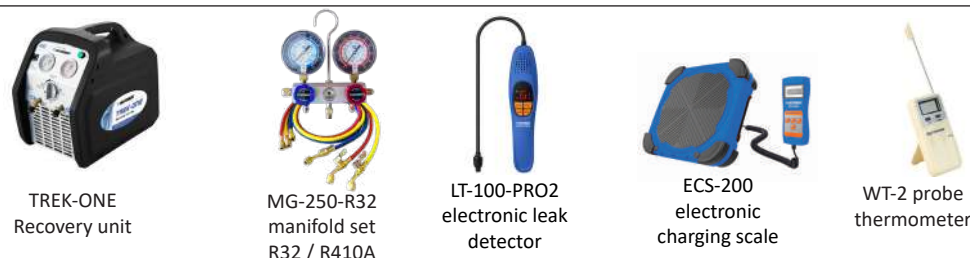
Ref.	Designation
2090550	KIT-ADC-MULTI
2090555	KIT-ADC-MULTI-VZE*



KIT-ADC-R32

certification kit compatible R32/ R410A

Ref.	Designation
2090250	KIT-ADC-R32
2090255	KIT-ADC-R32-VZE*



* All our ADC kits are now available in a VZE version, featuring our new VZE-755 hoses equipped with a 1/4" x 5/16" SAE zero-emission valve, replacing the CH60-55R hoses (see p. 11).

REGULATORY TOOLS VERIFICATION

DECK912 offers verification services in its control laboratory for tools subject to mandatory annual inspection according to current regulations. Upon completion of the service, a verification report is issued to the tool owner, along with a marking on the device indicating the inspection date. The report is valid for 12 months and must be renewed annually.

Certificate of competence

Ref.	Designation
1090000	Complete tool pack (4-5 tools)
1000100	Recovery station compliant with NF EN 35421
1000101	Digital or analog manifold (2 or 4 valves)
1000102	Electronic precision scale
1000103	Electronic leak detector compliant with NF EN 14624
1000104	Double-stage rotary vane vacuum pump
1000105	Thermometer (1 or 2 probes)
1000110	Digital torque wrench
1000114	Vacuum gauge

Ref.	Designation
1090030	VP30+ day tool package 30 tools or more
1090050	VP50+ day tool package 50 tools or more

Calibration

Ref.	Designation
1000113	ET Anemometer
1000115	ET Combustible gas detector
1000116	ET Multi-gas O2, H2S, CO, CH4 detector
1000117	ET Single-gas CO detector



CORE-550-BLE

Bluetooth digital manifold

CORE-550-BLE is a 2-way Bluetooth-connected analyzer with an IP-54 rating, integrating all the necessary functions for commissioning and maintaining refrigeration and air conditioning systems. The AI-Tools app, available for both iOS and Android, provides access to various features such as fluid updates and reporting functions.



SPECIFICATIONS:

- ✓ Measurement Ranges:
 - Pressures: -1 to +55 bar / Accuracy class 0.5% FS
 - Temperatures: -40 to +150°C / Accuracy ±0.5°C
- ✓ Resolution: Pressure 0.03 bar – Temperature 0.1°C
- ✓ Ambient conditions: -10° to +50°C
- ✓ High contrast LCD display 75x42mm
- ✓ Double O-ring piston valves
- ✓ 4 x 1/4" SAE ports, one with valve
- ✓ Weight: 1.6 kg
- ✓ Battery life: 200h (3 AA batteries)
- ✓ Robust carrying case

FEATURES :

- ✓ Measures system pressures in real-time and displays the saturation temperatures of 18 fluids, selectable from the 145 fluids in the AI-Tools app
- ✓ Dual-pressure inlet on the central channel allows simultaneous connection of a vacuum pump and a gas cylinder
- ✓ Measures superheating, subcooling, and ΔT
- ✓ 3 operating modes: Pressure-Temperature P/T, Vacuum VAC, and Pressure HOLD test
- ✓ Measurement units: MPa, bar, psi, kPa, kg/cm², °C, °F
- ✓ Datalogger function, stores up to 3000 points
- ✓ 2 x thermistor clamp probes
- ✓ Robust carrying case

INCLUDES FLUIDS

R134a	R290	R32	R404A
R407C	R410A	R448A	R449A
R450A	R452A	R454b	R454C
R455A	R513A	R600a	R1233zd
R1234yf	R1234ze		

...and even more fluids via the AI-Tools app.

Ref.	Designation
2003650	Digital bluetooth manifold CORE-550-BLE
2093552	CORE-550-2 BLE manifold kit with hoses and carrying case

MG-250-R32-2 / MG-450-R32-2

2-way and 4-way manifold kits

MG kits are built with a robust aluminum construction and large-diameter gauges for precise readings of R32 and R410A temperatures and pressures.

- ✓ Steel gauges Ø80mm, dry, class 1.6
- ✓ Zero adjustment screw on the face of the gauges
- ✓ Piston valves with O-rings
- ✓ Valve buttons and bypass body made of aluminum
- ✓ Set of 3 CH60-5R hoses with robust metal valves
- ✓ Premium carrying case
- ✓ Shock-resistant protective bonnet covers



Ref.	Designation
2003252	2-way manifold kit R32/R410A MG-250-R32-2
2003255	2-way R32/R410A manifold with 3-piece VZE-755 zero-emission hose set and eco-friendly carrying case

Ref.	Designation
2003450	4-way manifold kit R32/R410A MG-450-R32-2
2003455	4-way R32/R410A manifold with 3-piece VZE-755 zero-emission hose set and robust carrying case

MG-470-MULTI**4-way oil bath manifold kit**

- ✓ Steel pressure gauges Ø80mm with oil bath for R134a, R404A, R448A, R449A, R452A
- ✓ Set of 3 hoses 1.5m with robust metal valves 1/4" x 1/4" SAE
- ✓ Premium carrying case



Ref.	Designation
2003485	4V manifold kit MG-470-MULTI

MG-470-PAC**4-way oil bath manifold kit**

- ✓ Steel pressure gauges Ø80mm with oil bath for R290, R32, R410A, R454C
- ✓ Set of 3 hoses 1.5m with robust metal valves 1/4" x 5/16" SAE
- ✓ Premium carrying case



Ref.	Designation
2003480	4V manifold kit MG-470-PAC

MG-470-CO2**4-way oil bath manifold kit for CO2**

- ✓ Steel pressure gauges Ø80mm with oil bath for transcritical CO2
- ✓ Body without sight glass
- ✓ Special valves for high-pressure fluids
- ✓ Set of 3 hoses 1.5m with 1/4" x 1/4" SAE valves
- ✓ Premium carrying case



Ref.	Designation
2003482	4V manifold kit MG-470-CO2

MAN-CASE**Carrying case for manifold**

Ideal for transporting and protecting all types of 2-way and 4-way manifolds, with or without connected hoses.



Ref.	Designation
2003504	MAN-CASE case with foam padding

CH60-45R / CH60-55R / 60Y-65 / 1200Y-45**Charging hoses**

Equipped with a shut-off valve at the end, in accordance with current regulations, LINSTRUMENT charging hoses combine robustness and ease of use. The neoprene and nitrile seals provide excellent leak-tightness at the connection and allow for an efficient two-finger tightening.



Ref.	Designation
2006647	CH60-45R set of 3 hoses, 150cm length, 1/4" x 1/4" SAE with 45° angled metal shut-off valve
2006657	CH60-55R set of 3 hoses, 150cm length with 45° angled metal shut-off valve, including red and blue hoses in 1/4" x 5/16" SAE, and yellow hose in 1/4" x 1/4" SAE
2007059	GKT-05/9 pack of 9 nitrile seals for CH60-45R and CH60-55R hoses
2007039	GKT-03/9 pack of 9 neoprene seals for CH60-45 and CH60-55R hoses

Ref.	Designation
2006165	60Y-65 yellow hose, 150cm length, 3/8" SAE fittings, ideal for speeding up vacuum pumping.

Ref.	Designation
2006545	1200Y-45 yellow hose, 5m length, 1/4" x 1/4" SAE fittings.

VZE-SERIES

Set of 3 hoses 1,5 m with zero-emission valve

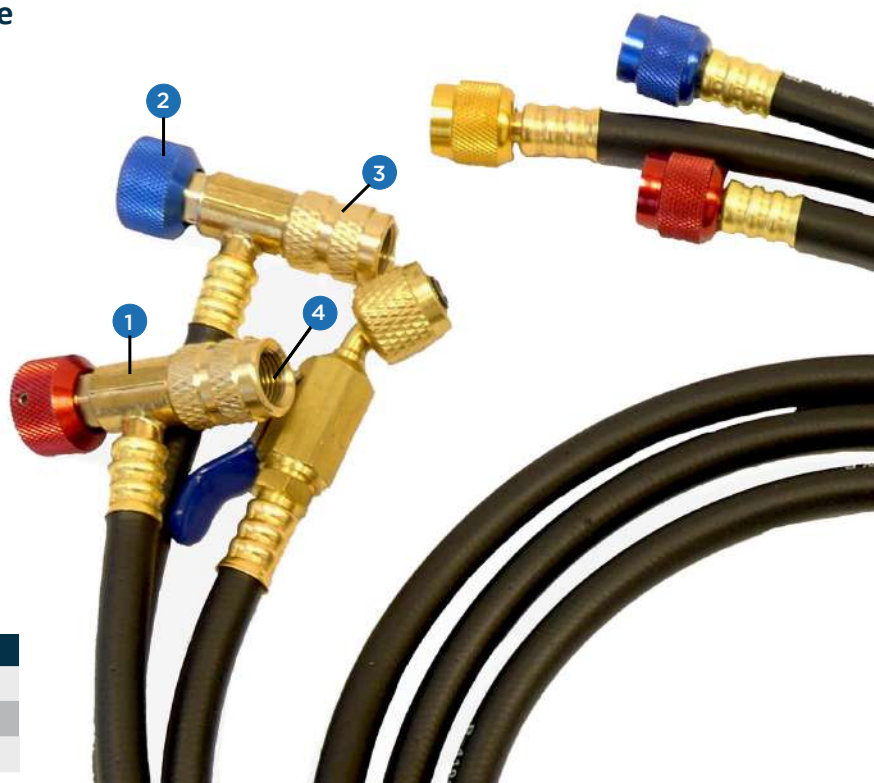
FEATURES :

- 1 Swivel joint: prevents hose "spring-back" and allows strong tightening of the nut
- 2 One-touch operation: easy to use, optimal tightening
- 3 Zero emission / Zero burn: reduces refrigerant discharge into the atmosphere and protects the operator from burns
- 4 Double nitrile O-ring: ensures improved connection sealing

SPECIFICATION :

- ✓ VZE-745 model:
 - Set of 3 hoses 1,5m
 - 1/4" x 1/4" SAE (R134a...)
- ✓ VZE-755 model :
 - Set of 3 hoses 1,5m
 - 1/4" x 5/16" SAE (R32/R410A)

Réf.	Désignation
2007745	VZE-745 set of 3 hoses 1m50 1/4" x 1/4"
2007755	VZE-755 set of 3 hoses 1m50 1/4" x 5/16"
2007739	Set of 10 nitrile o-rings for VZE hoses



RCV-04 / RCV-05

Retention valve

- ✓ Allows gas flow control from the system access port
- ✓ Enables complete closure of the Schrader valve before disconnecting the hose, preventing gas leakage
- ✓ The back seat of the valve retains the gas in the hose once disconnected.



Ref.	Designation
2007004	RCV-04 compact valve 1/4" x 1/4" SAE
2007005	RCV-05 compact valve 5/16" x 5/16" SAE

BV-04 / BV-05

Compact ball valves

LINSTRUMENT ball valves are perfectly suited for any hose without a valve, ensuring a perfect seal during refrigerant charging and recovery operations.



Ref.	Designation
2007014	BV-04 ball valve elbow 1/4"x1/4" SAE, with depressor
2007015	BV-05 ball valve elbow 5/16"x5/16" SAE, with depressor

CH60-CO2

Set of 3 hoses

- ✓ Length 1.5m for CO2, 1/4" x 1/4" SAE fittings



Ref.	Designation
2006164	Set of 3 CO2 hoses

120Y-CO2

3m hose

- ✓ Length 3m with anti-whip cable for CO2, 1/4" x 1/4" SAE fittings



Ref.	Designation
2006124	3m transcritical hose

RP1119

Straight valve

- ✓ 1/4" M x 1/4" F SAE



Ref.	Designation
2007024	Straigh valve 1/4" x 1/4" SAE

RP1171

Angled valve

- ✓ 1/4" M x 1/4" F SAE



Ref.	Designation
2007025	90° elbow valve 1/4" x 1/4"

PRG-150R
Remote-controlled nitrogen regulator with flowmeter

PRG-150R is a remote-controlled regulator-flow meter specifically designed for brazing operations under nitrogen in refrigeration and HVAC installations. With its long-range remote control (over 200 meters), PRG-150R revolutionizes work sites: no more gas loss, nitrogen consumption is precisely regulated thanks to an adjustable flow rate range from 0 to 30 L/min, and only one technician is needed for brazing tasks.



- SPECIFICATIONS :**
- ✓ Inlet pressure : 300 bar
 - ✓ Outlet pressure (preset) : 3,5 bar
 - ✓ Outlet flow rate : 0 to 30 L/min
 - ✓ Max. solenoid valve pressure : 10 bar
 - ✓ Dimensions : 240 x 210 x 90 mm
 - ✓ Weight : 1,9 kg

- FEATURES:**
- ✓ Inlet port with swivel nut compatible with nitrogen cylinders with male type C port (other fitting versions available)
 - ✓ 1/4" SAE male outlet port
 - ✓ Stainless steel shielding protection
 - ✓ Nitrogen flow adjustment knob from 0 to 30 L/min
 - ✓ Long-range wireless remote control powered by a 9V battery
 - ✓ 220 VAC main power supply
 - ✓ Robust carrying case including the regulator-flow meter, a remote control, mains power supply unit, and a 9V battery
 - ✓ Made in Europe
 - ✓ Assembled and controled in France



Ref.	Designation
2003150	Remote-controlled nitrogen regulator PRG-150R

PRG-125
Nitrogen regulator with flowmeter

R290 ✓

PRG-125 is a regulator–flowmeter specifically designed for nitrogen brazing in refrigeration and HVAC installations, as well as for inerting A3 refrigerant systems during maintenance operations. With the PRG-125, nitrogen consumption is precisely optimized thanks to an adjustable flow range from 0 to 30 L/min.

- SPECIFICATIONS :**
- ✓ Inlet pressure: 300 bar
 - ✓ Outlet pressure (pre-set): 3.5 bar
 - ✓ Outlet flow rate: 0 to 30 L/min
 - ✓ Maximum solenoid valve pressure: 10 bar
 - ✓ Dimensions: 240 × 210 × 90 mm
 - ✓ Weight: 1.9 kg

- FEATURES :**
- ✓ Inlet connection with rotating nut, compatible with nitrogen cylinders fitted with male type C connection
 - ✓ 1/4" SAE male outlet connection
 - ✓ Stainless-steel protective shielding
 - ✓ Flow adjustment knob from 0 to 30 L/min
 - ✓ Robust carrying case
 - ✓ Made in Europe
 - ✓ Assembled and tested in France



Ref.	Designation
2003125	Nitrogen regulator with flowmeter PRG-125



PRG-100
300/60 bar nitrogen regulator

Regulator for nitrogen cylinders, designed for pressurizing air conditioning systems.

- ✓ Inlet connection: W21.80x1/14 with standardized right-hand thread
- ✓ Outlet fitting: 1/4" SAE M
- ✓ Neoprene protection for pressure gauge
- ✓ Sturdy brass body



Ref.	Designation
2003100	Nitrogen regulator PRG-100
2003101	Set of 10 replacement seals for egulator PRG-GKT/10

PRG-200
CO2 300/200 bar nitrogen regulator

Regulator specifically designed for pressurizing CO2 transcritical refrigeration systems..

- ✓ Inlet connection: W21.80 x 1/14 with standard right-hand thread (type C)
- ✓ Outlet connection: 1/4" SAE
- ✓ Neoprene protection for gauges
- ✓ Robust brass body



Ref.	Designation
2003200	PRG-200 regulator for transcritical CO2

LT-100-PRO2**Electronic leak detector**

Equipped with a semiconductor sensor controlled by a microprocessor, the LT-100-PRO2 offers high sensitivity < 3g/year for detecting leaks of HFC, HFO, HC gases, and hydrogenated nitrogen (N₂/H₂).

FEATURES :

- ✓ Automatic or manual detection mode with adjustable sensitivity (3 levels)
- ✓ Auto-calibration to ambient concentration
- ✓ Reset function
- ✓ Audible and visual alarms
- ✓ Quick preheating time (60s)
- ✓ Conforms to EN 14624
- ✓ Powered by 3 AA batteries
- ✓ New head design for more efficient gas suction

SPECIFICATIONS :

- ✓ Powered by 3 AA batteries
- ✓ Semiconductor sensor controlled by a microprocessor (approx. 500h lifespan) - integrated filter
- ✓ Robust carrying case
- ✓ Dimensions: 250 x 60 x 50mm
- ✓ Weight: 0.8 kg

Ref.	Designation
2008100	LT-100-PRO2 semiconductor leak detector
2008109	LT-SENSOR-32/H2 replacement sensor



R32 ✓

R290 ✓

R32 ✓
R290 ✓**LT-300-EX****ATEX leak detector**

LT-300-PRO2 is a premium all-gas leak detector (HFC, HFO, HC, and hydrogenated nitrogen) designed for the most demanding professionals in refrigeration and HVAC.

FEATURES :

- ✓ High sensitivity MOS-type semiconductor sensor
- ✓ 2 detection modes: manual and automatic
- ✓ 3 sensitivity levels
- ✓ Reset function
- ✓ Large color display with graphical representation
- ✓ Visual and audible alarms
- ✓ ATEX certified

SPECIFICATIONS :

- ✓ Alarm reminder with LED light at the probe tip
- ✓ Robust carrying case
- ✓ Power supply: Li-ion battery
- ✓ Test vial included
- ✓ Compliant with EN-14624
- ✓ Maximum sensitivity: < 3g/year
- ✓ Quick warm-up: ±1 min (5 min to reach maximum sensitivity)
- ✓ Dimensions: 230 x 85 x 40 mm
- ✓ Weight: 0.5 kg

Ref.	Designation
2008400	ATEX leak detector LT-300-EX

NEW !

YT-1200H-S-R290**ATEX explosimeter**

R290 ✓

FEATURES :

- ✓ Continuously monitors the concentration of R290 in the workspace atmosphere and immediately alerts the operator when the concentration exceeds warning thresholds and approaches the explosivity limit.
- ✓ Essential for all technicians handling A3-class refrigerants, including R290, to ensure their safety.

SPECIFICATIONS :

- ✓ %LEL display
- ✓ Li-ion battery
- ✓ Two adjustable alarm thresholds, set by default at 20% and 50% LEL
- ✓ Protective casing
- ✓ Belt clip for easy attachment



Ref.	Designation
2008900	Explosimeter for combustible gases YT-1200H-S-R290

CAL-110-R290**R290 calibration gas cylinder**

- ✓ Kit including everything required for checking and calibrating ATEX YT-1200H-S-R290 explosimeter.

R290 ✓



Ref.	Designation
4312048	CAL-110-R290 R290 calibration gas
4198840	Mini-regulator 0,3L/min

CENTER-389**Leak detector for CO2**

Specifically designed for leak detection in refrigeration systems and heat pumps charged with CO2 (R744).

FEATURES :

- ✓ Highly accurate and selective NDIR infrared sensor for CO2
- ✓ LED color indicator display
- ✓ 3 sensitivity levels
- ✓ RESET function at ambient concentration
- ✓ Automatic and manual detection modes

Ref.	Designation
2008800	Leak detector for CO2 CENTER-389

SPECIFICATIONS :

- ✓ Maximum sensitivity: < 6g/year
- ✓ Probe length: 40 cm
- ✓ Battery life on full charge: 7 hours
- ✓ Dimensions: 254 x 71 x 54 mm
- ✓ Ambient conditions: 0°C to 40°C, < 80% RH
- ✓ Power supply: 3.7V rechargeable Li-ion battery
- ✓ Robust carrying case included

**PRG-KIT-N2H2****Leak detection kit**

Complete case for leak detection of all gases: HFC, HFO, HC, and hydrogenated nitrogen (N2H2). The PRG-100 nitrogen regulator is suitable for both standard nitrogen cylinders and small hydrogenated nitrogen bottles thanks to its adapter. It also allows pressure testing thanks to the PRG-100 nitrogen regulator, the hydrogenated nitrogen cylinder, and the accessories included in the kit.

The kit includes :

- ✓ Electronic leak detector LT-100-PRO2
- ✓ PRG-100 nitrogen regulator
- ✓ Adapter for N2H2 bottles
- ✓ 2.2 L 110 bar N2H2 bottle
- ✓ 2500 mm yellow hose
- ✓ Test gauge
- ✓ Robust carrying case

Ref.	Designation
2098500	PRG KIT N2H2 leak detection kit
2007017	2.2L N2H2 hydrogen-nitrogen bottle
2098400	PRG-KIT-N2H2-LITE leak detection kit (detector not included)

**Spray Gas Control**

- ✓ Foaming spray for leak detection



Ref.	Designation
3001405	Spray gas control

EXTREME-ULTRA**Air conditioning leak-stop**

Leak stop syringe to be injected directly into air conditioning and heat pump systems. EXTREME-ULTRA seals micro-leaks <0.3mm within seconds. The product is delivered in a ready-to-use syringe with 1/4" and 5/16" SAE connectors.

The EXTREME-ULTRA formula, developed through thousands of tests and 4 years of R&D, seals leaks permanently without reacting with moisture or oxygen, and is polymer-free.

- ✓ Safe for system components
- ✓ Compatible with all HFC, HCFC, HFO fluids, including R32
- ✓ Only a 6ml dose required for a system up to 21kW



Ref.	Designation
3001200	Leak-stop EXTREME-ULTRA ready to use

F-GAZ**Kit documents**

Complete kit including documents and mandatory marking labels for the certification, including: :

- ✓ 35 blue waterproof labels
- ✓ 35 red non-waterproof labels
- ✓ 35 equipment signage labels
- ✓ 50 CERFA 15497-4 forms booklet



Ref.	Designation
2097050	Complete F-GAS documents and labels kit
2007047	50 CERFA 15497-4 forms booklet
2007048	35 equipment signage labels
2007049	35 red non-waterproof labels
2007051	35 blue waterproof labels

ICK-250

Inverter board controller :

Inverter board controller - diagnostic tool for air conditioning systems, heat pumps, and refrigeration, delivered with cables and crocodile clips in a durable carrying case.

FEATURES :

- ✓ For air conditioning systems, heat pumps, and refrigeration systems.
- ✓ A highly reliable and efficient diagnostic tool that quickly determines whether the fault lies with the inverter board or, by elimination, the compressor.

SPECIFICATIONS :

- ✓ Supplied with cables and connectors in a durable carrying case.
- ✓ Battery operated (included).



Ref.	Designation
2008108	Inverter board controller ICK-250

THR-110

Digital single-channel thermometer

Digital single-channel type-K thermometer for temperature measurements on contact surfaces or in the air.

SPECIFICATIONS :

- ✓ 1 clamp-on contact probe
- ✓ 1 ambient probe
- ✓ Robust carrying case
- ✓ Power supply: 1 x 9V battery
- ✓ Calibration screw
- ✓ Resolution: 0.1°C
- ✓ Accuracy: $\pm 0.3\% + 1^\circ\text{C}$ (excluding probe)



Ref.	Designation
2008107	Digital single-channel type-K thermometer THR-110

THR-120

Digital dual-channels thermometer

Digital dual-channel type-K thermometer compatible with all types of thermocouples as temperature sensors.

SPECIFICATIONS :

- ✓ 2 velcro contact probes
- ✓ Measurement range: $-200^\circ\text{C} \sim 1370^\circ\text{C}$
- ✓ Resolution :
 $200^\circ\text{C} \sim 200^\circ\text{C} \ 0.1^\circ\text{C}$
 $200^\circ\text{C} \sim 1370^\circ\text{C} \ 1^\circ\text{C}$
- ✓ Maximum voltage: 60V DC or 24Vrms AC
- ✓ Power supply: 1 x 9V battery (approximately 150 hours)



Ref.	Designation
2008208	Digital dual-channels type-K thermometer THR-120

WT-2

Thermometer with probe

This compact device accurately measures temperatures ranging from -50°C to $+200^\circ\text{C}$.

SPECIFICATIONS :

- ✓ Accuracy $\pm 1^\circ\text{C}$ between -20 and $+120^\circ\text{C}$, otherwise $\pm 2^\circ\text{C}$
- ✓ Resolution 0.1°C



Ref.	Designation
2008106	Thermometer with probe WT-2

IR-500

Infrared thermometer

A simple and versatile infrared thermometer for non-contact temperature measurement. Ideal for HVAC/R, electrical applications, and the construction sector

FEATURES :

- ✓ Laser targeting pointer
- ✓ Emissivity: 0.95
- ✓ Temperature range : $-50^\circ\text{C} - +500^\circ\text{C}$
- ✓ D-S ratio =12:1
- ✓ Tested and certified according to IEC/EN 61326 standards

Ref.	Designation
2008310	Infrared thermometer IR-500



ECS-200

Refrigerant charging scale

Compact, robust, and easy to carry, this scale is designed to perform reliably on all your worksites.

SPECIFICATIONS:

- ✓ Maximum capacity: 100 kg
- ✓ Accuracy: 0.05% of reading + 10 g
- ✓ Resolution: 5 g
- ✓ Large 27 x 27 cm platform for maximum stability
- ✓ Ultra-lightweight at only 3.6 kg, with a dedicated compartment for storing and protecting the remote control during use



Ref.	Designation
2008200	Charging scale ECS-200

ATK-1

Eccentric flaring tool set

- ✓ Robust and lightweight aluminum construction
- ✓ For copper diameters from 1/4" to 3/4"
- ✓ Includes tube cutter and deburring pen
- ✓ Sturdy transport case included



Ref.	Designation
2004100	Eccentric flaring tool set ATK-1

TQW-250

Digital torque adjustable wrench

Measures and displays real-time torque, providing installers with unmatched control and precision when tightening flares and refrigeration circuit components. A 5-LED display and audible alarm indicate the applied force and notify when the desired torque is reached.

SPECIFICATIONS :

- ✓ Adjustable wrench range: 5 to 30 mm
- ✓ Measurement range: 4.2 to 85 N-m
- ✓ Accuracy: $\pm 2\%$
- ✓ Supplied with a factory adjustment certificate
- ✓ Robust protective carrying case



Ref.	Designation
2008250	Digital torque adjustable wrench TQW-250

LTC-SERIES

Tubes-cutters

LTC-193 and LTC-325 tube cutters deliver high cutting precision and compact size, ideal for all refrigeration and air conditioning system configurations.

SPECIFICATIONS :

- ✓ High-hardness steel blade for cutting copper and aluminum pipes
- ✓ Lightweight and durable aluminum body
- ✓ Blade mounted on ball bearings
- ✓ LTC-193: for pipes 1/8" to 1/4"
- ✓ LTC-325: for pipes 3/16" to 1-1/4"



Ref.	Designation
2004126	Mini tube cutter 3–19 mm LTC-193
2004127	Tube cutter 5–32 mm LTC-325
2004128	Set of 2 blades BL-193 for mini tube cutter
2004129	Set of 2 blades BL-532 for tube cutter

FTK-550
Cordless electric flaring tool kit

Perfect for installations requiring numerous flares, the FTK-550 provides unmatched productivity and user comfort. Suitable for tube diameters of 1/4", 5/16", 3/8", 1/2", 5/8", and 3/4", as well as metric tubes.

- ✓ Practical tool without a base plate, allowing effortless overhead or extended-arm work
- ✓ Supplied with 2 clamp jaws and 6 magnetic steel dies (no screws) for quick changes
- ✓ Eccentric cone ensures smooth tube flaring without damaging the copper
- ✓ Extended autonomy with a high-capacity 18V 4000 mAh battery
- ✓ Quick recharge in just 60 minutes, enabling up to 500 cycles
- ✓ Kit includes a tube cutter, a deburring pen, and an 18V rapid charger



Ref.	Designation
2004550	Cordless flaring tool kit FTK-750
2004552	Set of 2 replacement clamps FTK-CLAMP/2

LTB-350
Bow-type tube bender

Designed in the shape of a bow, the LINSTRUMENT ratchet bender enables one-handed operation for bending annealed copper or aluminum tubes with diameters from 1/4" to 7/8".

- ✓ Aluminum mandrels and blocks, easy to switch depending on tube diameter.
- ✓ Reliable and robust ratchet mechanism.
- ✓ Complete kit available for bending tubes of 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", and 7/8".



Ref.	Designation
2004350	7-in-1 Metal Bender Kit LTB-350
2004075	Adapter for Outer Tube Bending LTB-7-AD



Ref.	Designation
2004750	Cordless electric flaring tool kit FTK-750

FTK-750
Cordless electric flaring tool kit

FTK-750 is a compact and lightweight battery-powered flaring tool for creating flares on 1/4" to 3/4" tubes.

SPECIFICATIONS :

- ✓ Without base plate, allows work at height and/or at arm's length effortlessly
- ✓ Power supply: 12V Li-ion battery - 2.2Ah, standard Makita compatible
- ✓ New innovative jaw clamps for enhanced precision and productivity
- ✓ Lightweight and compact
- ✓ Robust and quiet DC brushless motor
- ✓ Interchangeable 12V battery
- ✓ Supplied in a case with accessories
- ✓ Includes a deburring pen and a fast charger

EXP-850
Tube expander tool kit

Lightweight and extremely durable, it provides the installer with comfort and precision for all pipe-fitting tasks in refrigeration and air conditioning systems.

- ✓ Complete kit with 8 heads for 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", and 1-1/8" tubes
- ✓ Ergonomic handles for easy gripping of the tool
- ✓ Supplied in a robust carrying case with an included deburring pen

Ref.	Designation
2004850	Tube expander tool EXP-850 with 8 heads





RI-04x05 4-in-1 valve removal tool

- ✓ Ideal for vacuum pulling, charging, and recovery
- ✓ Allows removal of Schrader valves under pressure
- ✓ Significantly reduces vacuum pulling and charging time
- ✓ Extra 1/4" SAE connection allows connection of a vacuum gauge such as VGW-760 for perfect vacuum control



Ref.	Désignation
2007405	4-in-1 Valve with 5/16" F x 1/4" M x 1/4" M SAE ports

VGW-760 Digital vacuum gauge

Digital vacuum gauge precise and very simple to use thanks to its intuitive interface and accessories.

- ✓ Measurement range: 0 to 19000 microns
- ✓ Resistant to overpressures up to 27.5 bar
- ✓ Power supply: 3 AA batteries
- ✓ Waterproof case: IP-65
- ✓ Internal memory allows vacuum pull recording
- ✓ Supplied with a protective case



Réf.	Désignation
2005760	VGW-760 digital vacuum gauge with a protective case

ISO-46 Vacuum pump oil



Réf.	Désignation
3001300	Vacuum pump oil ISO 46 1L

CRT-08 Valve core removal tool

A compact and handy tool for easily removing valve cores from the pressure ports of air conditioning systems.

- ✓ Supplied with 6 replacement valve cores
- ✓ Includes 2 tips: one for unscrewing valves and another for threading



Ref.	Désignation
2007008	Valve core removal tool CRT-08

FCB-09 Fin straightening tool

A compact and handy tool designed to straighten and align the fins of any type of heat exchanger.



Ref.	Désignation
2007009	Fin straightening tool FCB-09

GDT-02P Seal removal tool

Easily removes worn-out seals from hoses and replaces them with new ones. The sharp, curved pick allows for effortless extraction of deeply embedded seals. The tool comes with 3 neoprene seals (GKT-03) for 1/4" and 5/16" SAE hoses.



Ref.	Désignation
2007007	Seal removal tool GDT-02P
2007039	GKT-03/9 - Pack of 9 neoprene seals for hoses
2007059	GKT-05/9 - Pack of 9 nitrile seals for hoses

PBL-150

4 bending line set

Set of 4 bending springs, 4 m, for copper tubes and refrigeration line sets



SPECIFICATIONS :

- ✓ Allows manual bending of copper and/or insulated copper
- ✓ tubes without the risk of crushing or pinching
- ✓ Suitable for tubes: 1/4" (red), 3/8" (yellow), 1/2" (green),
- ✓ and 5/8" (blue)
- ✓ Delivered in a sturdy 300D Oxford synthetic fabric pouch
- ✓ Colson-type clamp for easier storage after use

Ref.	Designation
2004150	4 bending line set PBL-150

KERN-LT

Precision scale

Precision scale for refrigerant charging with disposable cartridges

- ✓ Highly accurate for precise charging of small R290 and R600a installations.
- ✓ TARE function for easier and more direct reading of transferred fluid quantities.

SPECIFICATIONS :

- ✓ Capacity: 2200 g
- ✓ Resolution: 1 g
- ✓ Platform dimensions: 130 x 125 x 10 mm / 0.55 kg
- ✓ Power supply: 4 x 1.5V AA batteries
- ✓ Operating conditions: +10°C to +40°C / < 80% RH



Ref.	Designation
2008220	Precision scale 2200g KERN-LT

EASYLIFT-150

A/C outdoor unit installation lift

Practical and innovative lifting hoist designed to simplify the installation of outdoor air conditioning units weighing up to 150 kg. It mounts directly onto the wall bracket for fast, safe and efficient installation.

- ✓ Lifting capacity up to 150 kg
- ✓ Direct mounting onto the air conditioning wall bracket
- ✓ Easily removable system
- ✓ 15 m lifting cable
- ✓ Designed exclusively for outdoor air conditioning units
- ✓ Suitable for installation on solid concrete walls only
- ✓ Operating temperature: -10°C to +50°C
- ✓ Dimensions : 85cm x 43cm x 165cm
- ✓ Weight : 12kg

Ref.	Designation
5000150	A/C outdoor unit installation lift

STD-112

Stand for R290 cartridge

STD-112 is a stand designed for liquid charging of R290 refrigerant with disposable cartridges.

- ✓ Ball valve for connecting R290 cartridges with a 1/2" ACME fitting
- ✓ Outlet with capillary and 1/4" fitting for greater precision during refrigerant charging



Ref.	Designation
2007112	Stand for R290 cartridge STD-112

ATC-401

Glycol refractometer

Allows precise measurement of the freezing point of ethylene glycol-water or propylene glycol-water mixtures through simple optical reading.



Ref.	Designation
2008401	Glycol refractometer ATC-401

MGS-150

Service magnet



Ref.	Designation
2004118	Service magnet MGS-150

NEW !



CLIMWASHER PRO+

Pressure washer

More powerful, with extended water and battery autonomy, **ClimWasher® PRO+** is the latest addition to LINSTRUMENT's maintenance range. Specifically designed for professionals servicing air conditioning systems and heat pumps, **ClimWasher® PRO+** can also handle larger installations with bigger external exchangers (VRV/VRF systems).

- ✓ 18V cordless spray gun with a 5.0 Ah Makita-compatible battery
- ✓ 45-minute runtime (1 x 5.0 Ah)
- ✓ 220° swivel head
- ✓ Additional 37 cm lance
- ✓ Dual pressure settings: 8 or 15 bar

SPECIFICATIONS :

- ✓ Working pressure: 8–15 bar
- ✓ Battery capacity: 1 x 5000 mAh
- ✓ Battery full charge time: 1 hour
- ✓ Battery type: Lithium-ion
- ✓ Dry weight: 5.8 kg (including gun)
- ✓ Hose length: 3 m
- ✓ Dimensions: 550 x 400 x 200 mm



Cleaning of indoor units with SPLIT-BAG protection (optional)



Hands-free safe transport



Powerful jet 8-10 bar, perfect for outdoor units

AVAILABLE SPARE PARTS :



FLEXIBLE-CWP+
3m hose



PISTOLET-CWP+
Spraygun 18V



KIT BIDON
5L or 10L cannister



SPRAY-15D
15° nozzle



WAND-S
15 cm wand



WAND-L
37 cm wand

Ref.	Designation
3000550	ClimWasher PRO+ pressure washer
3000115	18V - 5.0 Ah battery
3000513	CWPRO+ 15° nozzle
3000516	CWPRO+ battery charger
3000517	CWPRO+ spray gun 18V
3000518	37 cm long wand WAND-L
3000519	15 cm short wand WAND-S
3090525	5 L canister kit with hose, cap and coupler
3090530	10 L canister kit with hose, cap and coupler
3003003	3 m hose with quick couplings

EVOCLEAN
Pressure washer

Specifically designed for HVAC professionals, **EVOCLEAN®** is perfect for cleaning indoor units and small to medium-sized outdoor systems.

- ✓ All-in-one unit with wheels and telescopic handle for easy transport
- ✓ Dual tank system: 15L for water and 2L for cleaning solution with an integrated dilution valve (1:3)
- ✓ Dual-pressure switch: 5 and 10 bar for optimal cleaning flexibility
- ✓ Interchangeable 18V Li-ion battery (compatible with MAKITA/AEG or BOSCH - optional)
- ✓ 30-minute runtime with a 3.0Ah battery
- ✓ 37 cm extension lance and 220° pivoting head for precise cleaning
- ✓ 5m hose length for extended reach

SPECIFICATIONS:

- ✓ Working pressure: 5 and 10 bar
- ✓ Battery type: 18V Lithium-ion
- ✓ Dry weight: 8 kg
- ✓ Dimensions: 570 x 410 x 285 mm



Dilution valve (1:3)



Interchangeable battery
(Not included)



AVAILABLE SPARE PARTS :

 EVO-HOSE 5m hose	 EVO-SPRAY Spray gun	 EVO-WAND 37cm wand
 SPRAY-15D 15° nozzle	 SPRAY-220D 220° nozzle	

Ref.	Designation
3000350	EVOCLEAN all-in-one pressure washer
3000116	18V – 3.0 Ah battery (MAKITA type)
3000117	18V battery charger (MAKITA type)
3000348	BOSCH battery adapter
3009350	EVOCLEAN-PACK with 18V 3.0 Ah battery and charger
3000344	37 cm wand EVO-WAND
3000345	5 m hose EVO-HOSE
3000346	Replacement spray gun EVO-SPRAY
3000347	220° swivel nozzle SPRAY-220D
3000513	15° nozzle SPRAY-15D

EVOSTEAM

Steam cleaner

EVOSTEAM® steam cleaner for air conditioners is specially designed for both indoor and outdoor units. It can also be used for household appliances such as range hoods, refrigerators, washing machines, water heaters, and water dispensers. This device employs the principle of instant high-temperature operation, enabling cleaning without disassembly for air conditioners and kitchen hoods. It effectively removes harmful substances like limescale and rust from water dispensers, water heaters, and other household appliances through a circulation cleaning process.



FEATURES :

- ✓ High-temperature and high-pressure steam
- ✓ Multiple temperature levels to meet various usage requirements
- ✓ LCD touchscreen with voice prompts
- ✓ Smart spray gun with one-touch operation
- ✓ Adjustable flow: steam, hot water, and cold water

SPECIFICATIONS :

- ✓ Voltage: 230V~/50-60Hz
- ✓ Pressure: 3-6 bars
- ✓ Flow rate: 3 L/min
- ✓ Power (hot water) :
 - High : 3300W
 - Medium : 2200W
 - Low : 1100W
- ✓ Power (steam) :
 - High steam : 3300W
 - Low steam : 2200W
- ✓ Temperature (water) : 60-85°C
- ✓ Temperature (steam) : 120-150°C
- ✓ Inlet hose length : 1,5 meters
- ✓ Outlet hose length : 3,0 meters
- ✓ Continuous operation : 3 hours
- ✓ Dimensions : 362 x 306,5 x 271 mm
- ✓ Weight : 5,5 kg



Smart spray gun with remote controls



Ref.	Designation
3000360	Steam cleaner EVOSTEAM



SPLIT-BAG
Protective covers

The protective covers can be installed in seconds. They are made from industrial-grade materials and designed to be reused multiple times. When used with the portable **ClimWasher®** cleaner, air conditioner cleaning in residential and small commercial settings (restaurants, hair salons, hospitals, offices, etc.) is done quickly, easily, efficiently, and cleanly.

Ref.	Designation
3003100	360° Anti- Splash Cover SPLIT-BAG
3003150	360° Anti- Splash Cover CASSETTE-BAG



ULTRA-SERIE
Ultra cleaner for Climwasher

The concentrated formulas are designed to be diluted with water, making them cost-effective and easy to handle, transport, and store. A 250 mL bottle can create up to 5 liters of cleaning solution, making them highly efficient for use with **ClimWasher®**. The ULTRA products are very concentrated and must be diluted with water. Acidic formulas are especially effective against corrosion, limescale, and chemical residue, while alkaline formulas are ideal for removing grease, oils, and pollution residue.

Ref.	Designation
3001102	Powerful dilutable cleaner for evaporator EVO-ULTRA 250 mL
3001103	Powerful dilutable cleaner for condenser ACID-ULTRA 250 mL
3001105	Powerful dilutable cleaner for condenser ALKALINE-ULTRA 250 mL



TABS-SERIE
TABS cleaners for Climwasher and Evoclean

The tablets, designed to be dissolved in water, are very convenient to use as they are pre-dosed. One tablet makes 5L of gentle cleaning solution. The TABS cleaners are especially suited for regular maintenance of air conditioning systems when used with the **EVOCLEAN®** machine.

The acidic formulas are particularly effective against corrosion, scale, and chemical residues. The alkaline formulas are best for tackling grease, oils, and pollution residues.

Ref.	Designation
3001100	Box of 18 dissolvable tablets for regular cleaning of evaporators
3001101	Box of 18 acidic pH dissolvable tablets for regular cleaning of condensers
3001106	Box of 18 Alkaline pH dissolvable tablets for regular cleaning of condensers



STARLUX

Foaming cleaner for air conditioner casings



- ✓ Effectively removes dust, environmental dirt, grease, stains, fingerprints, and smudges.
- ✓ Foaming formulation ensures better adherence to surfaces.
- ✓ Perfect for plastic and metal casings.

Ref.	Designation
3001115	Foaming cleaner 400 mL STARLUX

LUXEDO

Conditioning cleaner for air conditioners



- ✓ Purifying Action
- ✓ Fragranced
- ✓ Ready-to-Use
- ✓ Disinfectant registered under N-108929

Ref.	Designation
3001112	Purifying cleaner LUXEDO for air conditioners and surfaces 1L

POWER CLEAN OUT

High-pressure cleaner for condensers



- ✓ Effective foaming action
- ✓ Does not damage fins
- ✓ Removes the toughest dirt

Ref.	Designation
3001116	High-pressure cleaner POWER CLEAN OUT for condensers 750mL

NO ODOR

Treatment to eliminate persistent odors



- ✓ Ideal for direct spraying on odorous surfaces
- ✓ Does not mask the odor but eliminates it
- ✓ Long-lasting effectiveness
- ✓ Does not damage materials on which it is sprayed
- ✓ Suitable for all surfaces
- ✓ Complies with the HACCP plan

Ref.	Designation
3001118	Persistent odor treatment 1L NO ODOR

DRIZZLE

Condensate lift cleaner



- ✓ Removes and prevents the development of algae, sludge, etc.
- ✓ Prevents clogging of condensate lift pipes
- ✓ Liquid formulation, lavender scent

Ref.	Designation
3001117	Condensate lift cleaner DRIZZLE

NANO ALKALINE CLEANER

Alkaline cleaner for condensers



- ✓ Effective foaming action

Ref.	Designation
3001113	NANO ALKALINE CLEANER for Condensers

CHINOOK

Air conditioner filter cleaner



- ✓ Easily removes dust, germs, molds, microbial contaminants, and harmful agents.
- ✓ Eliminates the causes of bad odors, leaving a pleasant clean scent.
- ✓ Quick and effective application.
- ✓ Ready to use.
- ✓ Suitable for HACCP plans.

Ref.	Designation
3001114	Air Conditioner Filter Cleaner CHINOOK 1L.

EVAPORATOR CLEANER / EVAPORATOR CLEANER FOAM

Cleaner for evaporator



- ✓ Purifies air ventilation ducts by incorporating and eliminating all contaminating particles such as dust, dirt, allergens, and microorganisms that cause bad odors.
- ✓ Ensures air quality, leaving a clean fragrance.
- ✓ Adjustable spray with a long nozzle.
- ✓ Fast, effective, and ready to use.
- ✓ Suitable for HACCP plans.

Ref.	Designation
3001119	EVAPORATOR CLEANER
3001120	EVAPORATOR CLEANER FOAM

04 Thermography

P2-PRO-LT

Thermal camera INFIRAY

The world's smallest thermal camera, the P2-PRO-LT, is a compact powerhouse of technology now available at an affordable price. Compatible with both Android and Apple iOS devices, the P2-PRO-LT connects to most smartphones on the market with a USB-C or Lightning port. This ultra-portable thermal camera features a high-resolution 256 x 192 pixel sensor with exceptional sensitivity. Thermal imaging technology has never been this accessible.

FEATURES :

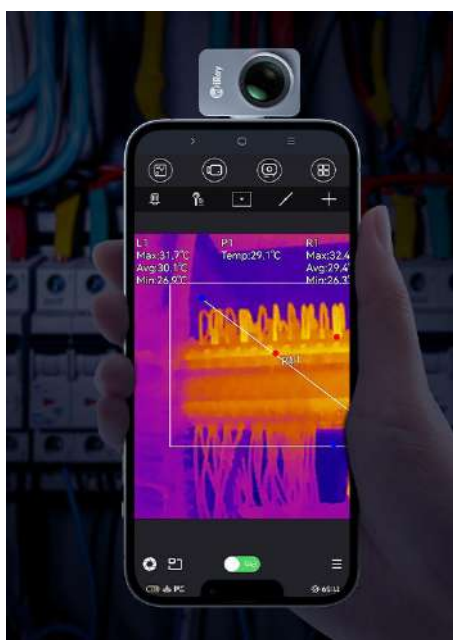
- ✓ High-resolution thermal image and video capture with excellent sensitivity.
- ✓ Utilizes smartphone power and display to control the thermal camera via the free P2 PRO app available on Google Play and iTunes App Store.
- ✓ Multiple thermal modes: spot/min/max temperatures, boxes, range, and level, enabling you to highlight key details.
- ✓ Simple documentation and sharing of photos and videos via email, cloud, and social media.
- ✓ Option to generate automatic reports in .doc format.
- ✓ Adjustable emissivity and ambient conditions for greater measurement accuracy.

SPECIFICATIONS :

- ✓ Measurement Range: -20 to +550°C
- ✓ Thermal Resolution: 256 x 192 pixels
- ✓ Thermal Sensitivity (NETD): < 40 mK @ 30°C
- ✓ Accuracy: ±2°C
- ✓ Sampling Frequency: 25 Hz
- ✓ Dimensions and Weight: 25 x 25 x 9 mm / 9g



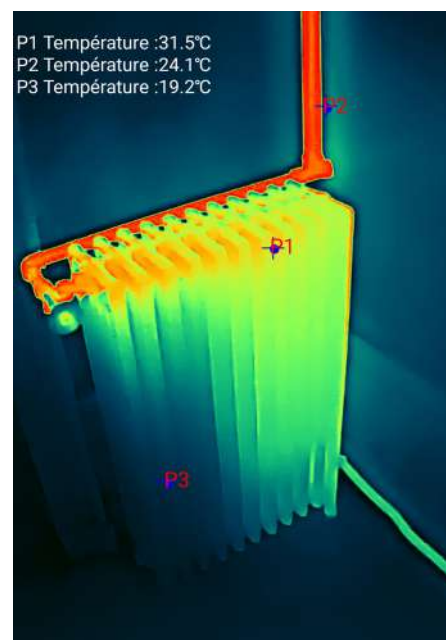
Ref.	Designation
9002110	Thermal camera P2-PRO-LT ANDROID 256 x 192 pixels, 25 hz
9002120	Thermal camera P2-PRO-LT IOS 256 x 192 pixels, 25 hz



HVAC/R



HVAC/R



MULTIPLE MEASUREMENTS MODES

POCKET-E

Pocket thermal camera HIKMICRO

Equipped with a high-resolution HIKMICRO VOx detector, a 0.3 MP visual camera, and a 3.5" LCD touchscreen, this device allows you to quickly and efficiently detect hidden issues and accurately measure abnormal temperatures. Its wide temperature range from -20°C to 350°C makes it ideal for building inspections, HVAC system maintenance, and electrical or mechanical equipment diagnostics. With a 25 Hz frame rate, it is suitable for fast inspections, and built-in Wi-Fi enables real-time image sharing.

FEATURES :

- ✓ High-resolution and highly sensitive thermal image capture
- ✓ Wide field of view (56 x 42°), ideal for inspecting equipment or interior spaces
- ✓ Thermal and visible image fusion with adjustable fusion rate and picture-in-picture mode
- ✓ Multiple measurement modes (min/max, spot, box, line)
- ✓ Transfer images and videos via USB-C port to a PC or Android application
- ✓ 7 color palettes to suit all applications
- ✓ Durable design with rubberized IP-54 casing, 2m drop test certified
- ✓ Exceptional battery life: up to 6 hours of thermal imaging 16GB internal memory

SPECIFICATIONS :

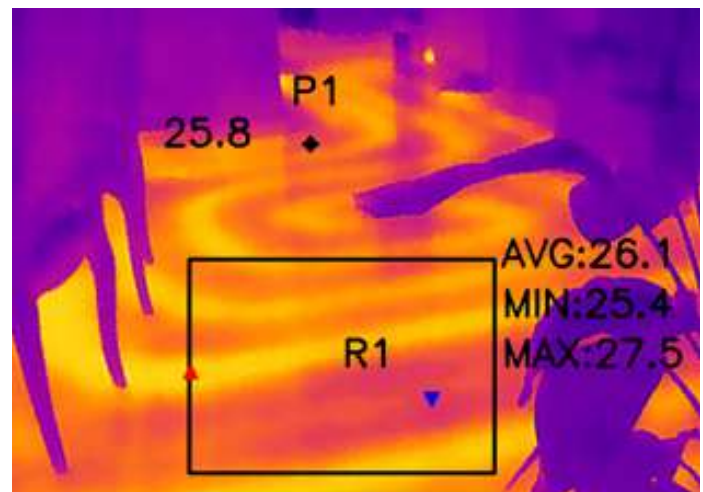
- ✓ Thermal Resolution: 256 x 192 pixels
- ✓ Thermal Sensitivity (NETD): < 40 mK @ 30°C
- ✓ Accuracy: ±2°C
- ✓ Sampling Frequency: 25 Hz
- ✓ Measurement Range: -20 to +550°C
- ✓ Fixed focal lens
- ✓ Large 3.5-inch touchscreen display, 960 x 640
- ✓ Dimensions and Weight: 25 x 25 x 9 mm / 9g



Ref.	Designation
9003100	Thermal camera PocketE HIKMICRO



ABNORMAL HOT SPOTS



HVAC/R

WHAT IS R290 ?

R290 (propane) is a highly efficient and environmentally friendly natural refrigerant (GWP = 3). However, its high flammability requires strict safety measures:

- ✓ Risk of explosion in the event of a leak and gas accumulation in a poorly ventilated area
- ✓ Requirement to comply with ATEX safety standards (areas with potentially explosive atmospheres)
- ✓ Need to use specially designed tools to prevent sparks or any source of ignition

WHAT IS THE ATEX STANDARD ?



ATEX (ATmosphères EXplosibles) refers to the European directives, including 2014/34/EU, governing the design of equipment intended for use in potentially explosive environments.

An ATEX-certified tool is designed for use in areas with potentially explosive atmospheres (gas, vapours or dust) without generating sparks, dangerous overheating or electrical discharges.

Therefore, when working with R290, only ATEX-certified equipment is compliant and safe to use.



WHICH TOOLS ARE REQUIRED FOR R290 ?



HVP-SERIES

ATEX enhanced safety vacuum pump

Ref.2002720 / 2002750

Ensures safe evacuation of refrigeration systems containing R290. (See p. 6)



TREK-POWER-EX

1.3 HP ATEX recovery station

Ref.2001750

Allows the safe recovery of flammable refrigerants without the risk of sparks or ignition. (See p. 4)



BLW-250-EX

ATEX fan

Ref.2002100

Effectively removes propane vapours and prevents gas accumulation in the work area. (See p. 7)



LT-300-EX

ATEX leak detector

Ref.2008400

Precisely detects R290 leaks in refrigeration circuits. (See p. 14)



YT-1200H-S-R290

ATEX explosimeter

Ref.2008900

Detects the presence of explosive gases, including propane, to secure the work area. (See p. 14)



MG-470-PAC

4-way oil-filled manifold

Ref.2003480

Allows R290 to be measured and handled without direct contact with seals and without the risk of ignition. (See p. 10)

WHAT IS R744 (CO₂) ?

R744 (CO₂) is a natural refrigerant known for its very low environmental impact (GWP = 1) and excellent performance, particularly in commercial and industrial refrigeration systems.

However, its use involves specific requirements:

- ✓ Very high operating pressures, which can exceed 120 bar under certain conditions.
- ✓ The need for equipment specifically designed to withstand these pressures.
- ✓ A risk of CO₂ accumulation in confined spaces in the event of a leak, which can lead to reduced oxygen levels.

WHY USE CO₂ SPECIFIC TOOLS ?

R744 systems operate at significantly higher pressures than those using traditional refrigerants. Using unsuitable tools can result in:

- ✓ Risk of hose or component failure
- ✓ Inaccurate pressure measurements
- ✓ Premature equipment wear
- ✓ Safety risks for technicians

CO₂-specific tools are designed to withstand these high pressures and ensure reliable and safe servicing operations.



WHICH TOOLS FOR CO₂ ?



PRG-200

CO₂ nitrogen pressure regulator

Ref.2003200

Allows pressure testing of CO₂ systems thanks to a pressure range suitable for transcritical applications. (See p. 13)



E110-CO₂

Single-gas CO₂ detector

Ref.2008960

Monitors the CO₂ concentration in the surrounding environment and alerts technicians when safety thresholds are exceeded. (See p. 3)



CENTER-389

CO₂ leak detector

Ref.2008800

Quickly and accurately locates CO₂ leaks in refrigeration systems. (See p. 15)



MG-470-CO₂

4-way CO₂ manifold

Ref.2003482

Designed to safely measure the high pressures of CO₂ systems. (See p. 10)



CH60-CO₂

Set of 3 CO₂ hoses

Ref.2006164

High-pressure hoses specially designed for servicing CO₂ systems. (See p. 11)



120Y-CO₂

CO₂ transcritical hose

Ref.2006124

Reinforced hose designed for transcritical CO₂ applications, equipped with an anti-whip safety cable. (See p. 11)

[illegible]

NOTES :

Our European presence

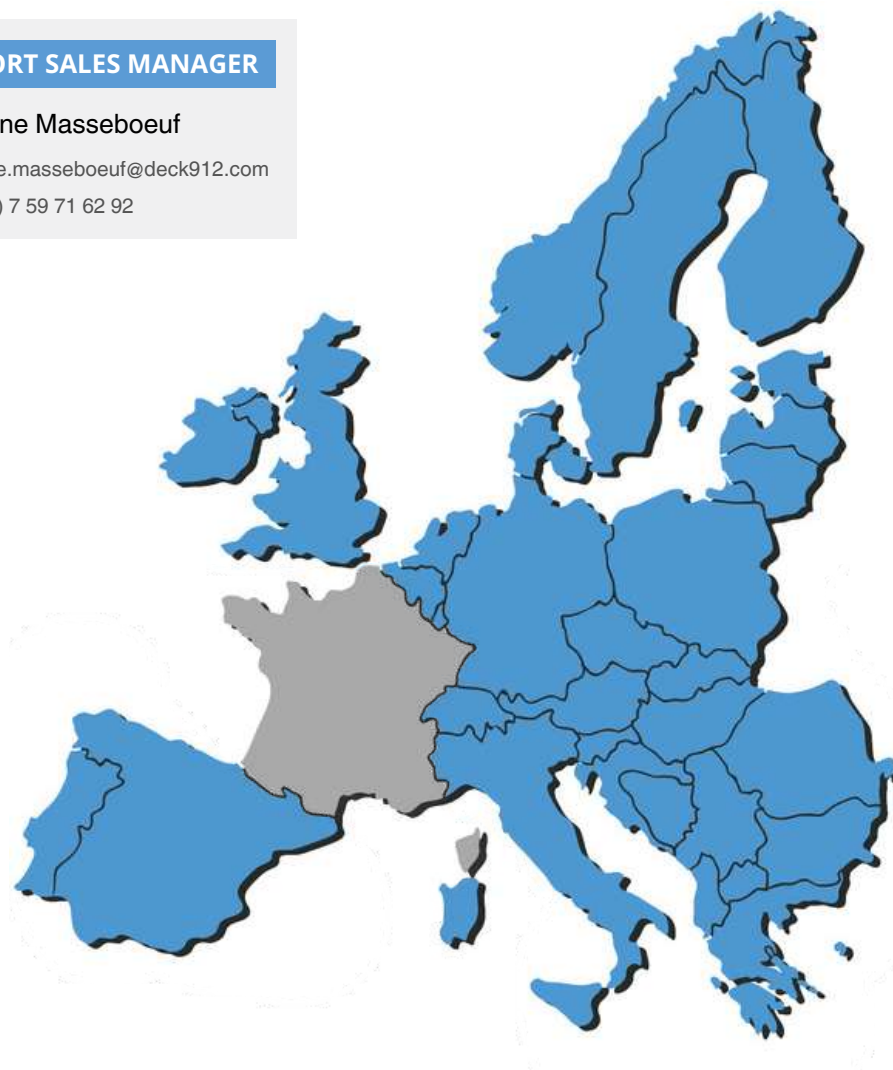
For all European markets (except France), please contact our Export Sales Manager for sales and technical support.

EXPORT SALES MANAGER

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