

Piccola R744

FULLY AUTOMATIC UNIT FOR AIR-CONDITIONING SYSTEMS OPERATING WITH R744 (CO₂)



TECHNOLOGY AND SIMPLICITY FOR THE NEW R744 (CO₂) SYSTEMS

PICCOLA-R744 is the unit designed and manufactured by Wigam for the new generation of **R744 (CO₂)** air-conditioning systems that are increasingly present in new electrically driven vehicles.

PICCOLA-R744 works completely automatically and guarantees total safety throughout the process. The innovative electronics with the 7" touchscreen display makes **PICCOLA-R744** the ideal unit for a simple system maintenance.

The 3 independent scales with 1 g resolution, managing oils and additives, allow to operate in a safe and reliable way. Through the **K-HERMETIC KIT**, the unit can be immediately set up to work with hermetically sealed dosimeters.

WIGAM's solution of a channelled discharge offers a higher safety in the working environment.



AUTOMATIC MANAGEMENT OF ALL PHASES



GRAPHICAL DATABASE BY BRAND



WIGAM SERVICE PORTAL (OPTIONAL)



HERMETIC DOSIMETERS KIT (OPTIONAL)

Thanks to its new 7" touch screen, the ease of use is similar to that of the OPTIMA series units.



Technical features

Refrigerants	R744 (CO ₂)
Discharge rate	≈ 60 g/min
Hoses (LOW/HIGH)	3 m with quick couplers
Discharge hoses	5 m
Charging precision	+/- 15 g
Pump swept volume	100 l/min
Bottle compatibility	5-7-14 l
Refrigerant scale resolution	5 g
Oil/UV scales resolution	1 g
Dimensions (without packaging)	53 x 53 x 92 cm
Weight (without packaging)	37 kg



The OPTIONAL WI-FI KIT allows interconnection to the WIGAM service portal with the resulting potential.

Suitable for different R744 cylinder sizes.

MAIN FUNCTIONS

- Hybrid-read: Auto-Clean function for hybrid and electric vehicles.
- 7" touchscreen display.
- Fully automatic unit:
 - Automatic LOW and HIGH valves.
 - Automatic discharge with quantification.
 - Automatic Vacuum/Vacuum test.
 - Automatic oil discharge (with scale).
 - Automatic charge of PAG, POE and UV oils.
 - Automatic refrigerant charge.
 - Automatic personalized cycle (discharge-vacuum-charge).
 - Flushing cycle.
- 3 mt flexible hoses with quick couplers.
- 5 mt flexible hose for channelled discharge.
- Automatic alarm for maintenance: the unit notifies when you have to replace the oil in the vacuum pump.
- Continuous monitoring of the internal cylinder pressure.
- Auto-test every 20 days of the internal circuit tightness.
- Pressure test with refrigerant before the charging phase.
- Pressure test with nitrogen or AZOIDRO (N₂-H₂).
- Integrated room temperature probe.
- Automatic anti-shock system of the refrigerant scale.
- 3 independent scales for oils and additives.
- Automatic compensation of the service hoses length.
- Standard printer.
- Report on paper with garage data/operator/vehicle.
- Database that can be updated through USB key.
- Set up for interconnection through Wi-Fi kit (optional).
- Wigam Service Portal, accessible via PC and smartphone, for handling and exchange of information and report (Wi-Fi kit necessary).
- Ready to work with hermetic dosimeters (optional).

Code	Model	Description
13003103	PICCOLA-R744	R744 automatic unit with printer
14025171	K-WIFI	Wi-Fi kit
14028033	K-HERMETIC/744	Hermetic dosimeters kit