

# ariazone

Automotive & Industrial Refrigerant Service Equipment

www.ariazone.com

## Ariazone 5001HD is fast and efficient unit that makes servicing automotive air conditioning simple, precise and safe

*"Proven technology for many years. A workhorse with exemplary reliability of Ariazone, ease to use and maintain" - Ronald Viskil - Unicorn B.V.*

### 10 unique features

Only 4 buttons for quick navigation and easy programming of all function. Control panel and the gauges (LP and HP) are at optimum angle for viewing during operation.



Robust metal housing, powder coated. Two handles are ergonomically located allowing the unit to be moved with less effort from the both sides (front & back). Rounded chassis cover corners prevent damage to vehicle.



#### Safety features:

Thermal protection, Cylinder over-fill protection and warning, Empty a/c system warning, Moisture indicator and sight-glass, Service alarm for maintenance and filters replacement.



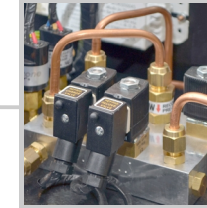
Heavy duty Danfoss (11-12cc) compressor with thermal overload protection. Specially designed oil separator with sinter bronze filter inside for efficient oil separation from recovered refrigerant.



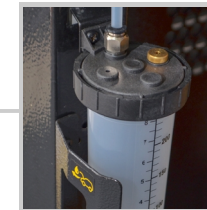
Fast and deep vacuum, through a dual stage vacuum pump (100-170lit/min), large 4mm orifice solenoid valve and 3/8" vacuum hose. Silencing blocks on the vacuum pump keeps the running noise down.



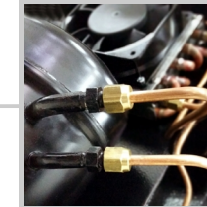
Manual (step by step) or Automatic (all on one) mode. Simply (in 10 sec.) select AUTO mode (vacuum time and charge weight), press START and go away. Machine will do the complete service in one cycle.



Customized block manifold with mini solenoid valves, integrated check valves and two one-way primary filters on both (recovery and charging) lines, protecting vehicle a/c system from dirt particles.



Easy accessible oil containers for oil and UV dye seal the contents from the ambient air. This protects hygroscopic refrigerant oil from humidity.



All copper tubes with 1/4" SAE flare connections prevents leaking of refrigerant and oil. Tidy and clean unit interior for easy and fast maintenance.



Electronic scale with protection against shock impact from movement over rough surfaces. Uncovered refrigerant cylinder allows control on charging precision and low-cost refilling with new refrigerant.



AUSTRALIAN DESIGN



PRODUCED IN EUROPE

FRICTECH 99 Ltd  
Mobile: +972 52 278 4602

# WHY CHOOSE ARIAZONE?

**ariazone**<sup>®</sup>

Automotive & Industrial Refrigerant Service Equipment

- Robust and user friendly design. Built for heavy duty conditions.
- Accepted and used in over 90 countries worldwide.
- After sales service/back up. Complete range of spare parts on hand.

## Ariazone 5001HD (R134a) – Automotive A/C Service Station

**FAST and EFFICIENT unit that makes servicing mobile a/c systems SIMPLE, PRECISE and SAFE**

The system provides electronically controlled functions whilst keeping the operator constantly informed and in full control. This unit has been designed and built for work in heavy duty conditions with high level of reliability including maximum safety for the operator.

The unit is suitable for servicing passenger and commercial vehicle air-conditioning systems



**1** Robust metal casing, powder coated for optimum resistance to the workshop environment. Two ergonomically located handles (front and rear) for easy movement. Rounded chassis cover corners prevent damage to vehicles.

**2** Only 4 buttons for quick navigation and easy programming of all functions. Control panel and gauges are at optimum angle for viewing.

**3** Easily accessible hermetically sealed containers for both UV dye and oil prevent moisture contamination from the air.

**4** Optimised internal design for simple servicing and fast maintenance. All copper tubes with brass flare connections prevents leaking of refrigerant or oil.



SAEJ2877 compliant

**Ariazone 5001HD is a user-friendly tool specifically designed for the automotive air-con technicians, to carry out the following functions:**

### Testing air-con system

Two large gauges mounted on the front panel for easy viewing will assist the technician in performing A/C system testing and diagnosis.

### Refrigerant Recovery & Recycling

The refrigerant is reconditioned during the recovery process making it possible to re-use it immediately. The unit accurately measures the amount of recovered refrigerant. After each recovery process, the oil is collected in an efficient oil separator and automatically discharged into a calibrated oil container attached to the back of the machine

### Evacuation

The powerful two-stage vacuum pump ensures a deep vacuum and the removal of any residual moisture from the system.

### Oil and/or UV Dye Injection

Refrigerant oil or/and UV dye can be injected (manually) in the a/c system after the evacuation from calibrated plastic oil containers at the back of the machine.

### Refrigerant Charge

Key in the correct charge quantity on the keypad and the machine does the rest.

### Automatic Cycle Mode

In the Automatic cycle mode, all the operations (Refrigerant Recovering and Recycling, Recovered Oil Drain, Evacuation and Refrigerant Charging) are performed automatically one after the other in ONE CYCLE.

**Official Distributor and Service Centre in Israel:**

**FRICTECH 99 Ltd**

Tel: +972 8 8592113

Mobile: +972 52 278 4602

Mr. Yossi Porat

Technical data:	
Refrigerant	R134a, 27kg storage cylinder
Charge Accuracy	+/- 15gr
Vacuum Pump Capacity	Dual stage - 100 lit/min (3.5CFM)
Vacuum Hose	3/8" large vacuum hose for max. vacuum
Vacuum Level	up to 30 microns
Refrigerant Recovery Rate	0.40kg /min (liquid state), Recovery 98%
Service Hoses	3m, R134a quick couplers
Gauges	LP & HP - D 68 mm kl.1.0 (bar & PSI)
Max. Operating Pressure	22 bar, 50 °C ambient temperature
Operating Voltage	220 – 240 VAC / 50-60Hz,
Chassis	All steel construction, powder coated
Dimensions / Weight	62 (W) x 60 (D) x 112 cm (H), 85 kg
Refrigerant Filters	3
Service interval	Automatic indicator
Printer	Optional (on request)
Approvals	CE