

5001FA (HFO1234yf - Data)

Automotive A/C Service Station

Ariazone 5001FA is fast and efficient unit that makes servicing HFO-1234yf 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 light commercial vehicles 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 6 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.



This unit is a user-friendly tool specifically designed for the automotive air-conditioning 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

The refrigerant is reconditioned during the recovery process making it possible to re-use it immediately. The unit accurately measures the amount of recoed refrigerant.

After each recovery process, recovered oil from refrigerant is automatically discharged and measured.

Evacuation

The powerful sparkless two-stage vacuum pump ensures fast and deep vacuum and full dehydration of the serviced a/c system.

An audible and visual alert will advise the technician of a leak in the A/C system when under vacuum and while the 3 minute vacuum tets is carried out after evacuation.

Oil and/or UV Dye Injection

Oil and/or UV Dye injection is carried out automaticaly controlled by electronic load cells. The unit automatically inject same amount of recovered oil back in the A/C system.

Patented plastic containers for oil and UV dye hermetically seal the contents from enviromental air. This protects hygroscopic refrigerant oil from humidity.

Refrigerant Charge

Key in the correct charge quantity on the keypad or select the vehicle from a/c capacity database (cars and trucks), open the valves 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.

Technical data:	
Refrigerant	HFO-1234yf
Cylinder	12 kg
Vacuum pump capacity	115 l/min (4cfm) – Dual stage, sparkless
Vacuum level	15 microns
Recovery pump	Danfoss 12cc, sparkless
Refrigerant recovery rate	0.38kg /min (liquid state)
Service hoses	2.2m, R1234a quick couplers
Gauges	LP & HP - D 68 mm kl.1.0
Max. operating pressure	22 bar
Number of filters	3
Operating voltage	220 – 240 VAC / 50-60Hz,
Chassis	Sturdy all steel construction
Dimensions	62 (W) x 60 (D) x 112 cm (H)
Weight	79 kg
Approvals	CE
Service interval	Automatic indicator (100 working hours or once a year)
Printer	57mm thermal printer
Cylinder Heater	Optional (on request)