PASSION INNOVATES FUTURE

AVL DiTEST

AVL DiTEST chillAIR for buses

FULLY-AUTOMATIC AIR CONDITIONING SERVICE UNIT FOR CO_2 (R744)

CO_2 air conditioning systems that run with R744 are undoubtedly superior to those that use conventional refrigerants when it comes to cooling dynamics and environmental compatibility. Countless automotive manufacturers have recognised its potential, and are increasingly putting their faith in CO_2: the natural, eco-friendly refrigerant of the future.

AVL DiTEST has many years' experience and in-depth expertise in the field of CO_2 air conditioning servicing, and has drawn on this in the development of an improved concept for the new chillAIR series. Safety, environmental protection and economic efficiency were key focuses when developing the device.

Workshops use chillAIR to carry out repairs and service CO_2 air conditioning systems, relying on this easy-to-use and fully automatic system.

DESIGN

- Touch display for intuitive operation
- Additional pressure gauges to take rapid pressure readings
- Optimised device height ensures ergonomic working
- Rapid changeover of CO_2 cylinders guaranteed (all commercial cylinder types)

OPERATION

- Menu-guided processes (safety instructions, plausibility checks) ensure safe working practices
- Intuitive operation thanks to self-explanatory user interface
- Straightforward replacement of refrigerant bottle
- Patented infra-red heating without the need to fit additional heating tape
- 5 m hoses, max. working pressure up to 160 bar

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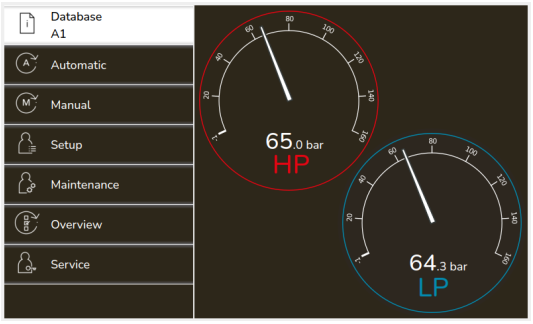
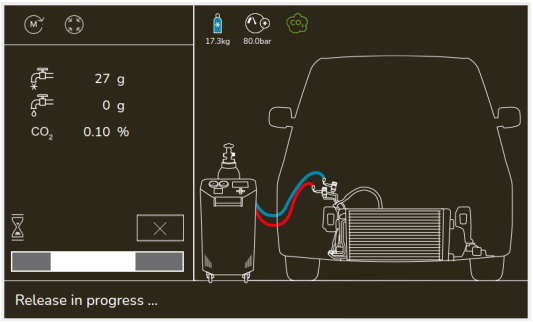
SUSTAINABILITY

- CO_2 is a natural and environmentally sustainable refrigerant
- Environmentally harmful consumables are reduced to a minimum
- No need to replace dryer units

OVERVIEW OF FUNCTIONS

- Fully automatic procedure for quick and easy servicing
- Manual mode for maintenance tasks on the air conditioning system
- Function testing of the air conditioning system
- Automatic documentation of work carried out
- Pre-set favourites
- Possibility of bottle replacement during filling process





TECHNICAL DATA

Application	
Refrigerant	R744
Operation altitude	max. 2000 m
Bottle size Bottle content	max. ø 270 mm (10.5 in) max. 50 kg
Bottle type	Bottle with integral riser tube recommended
Supply	
Rated voltage	220 to 240 VAC 50/60 Hz
Power consumption	1200 W
Mechanic	
Dimensions (W × H × D)	60 × 110 × 65 cm
Hose length	5 m
Ambient conditions	
Operating temperature	+10 to +40°C
Storage and transport temperature	-25 to +80°C
Humidity	10 to 90% non-condensing
Measurement accuracy	
Refrigerant weight	± 100 g
Oil and UV weight	± 2 g

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