

# AVL DiTEST chillAIR



## FULLY-AUTOMATIC AIR CONDITIONING SERVICE UNIT FOR CO<sub>2</sub> (R744)

CO<sub>2</sub> 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<sub>2</sub>: the natural, eco-friendly refrigerant of the future.

AVL DiTEST has many years' experience and in-depth expertise in the field of CO<sub>2</sub> 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<sub>2</sub> 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<sub>2</sub> 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
- › 4 m hoses, max. working pressure up to 140 bar

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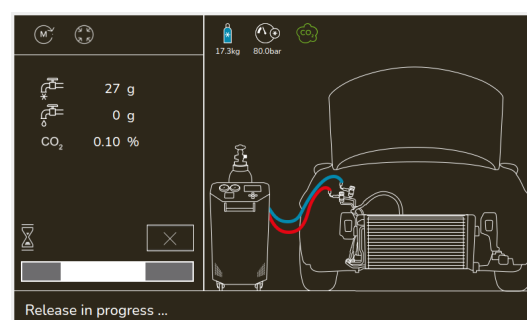
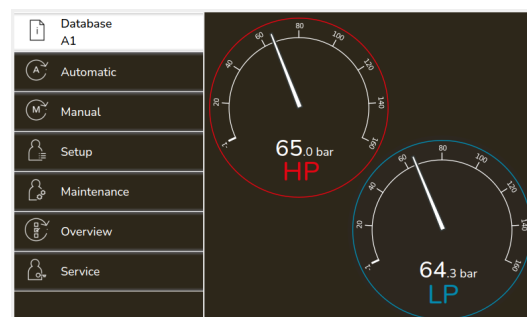


## SUSTAINABILITY

- › CO<sub>2</sub> 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



## TECHNICAL DATA

| Application                       |                                             |
|-----------------------------------|---------------------------------------------|
| Refrigerant                       | R744                                        |
| Operation altitude                | max. 2000 m                                 |
| Bottle size                       | max. ø 270 mm (10.5 in)                     |
| Bottle content                    | max. 20 kg                                  |
| Bottle type                       | Bottle with and without integral riser tube |
| Supply                            |                                             |
| Rated voltage                     | 220 to 240 VAC 50/60 Hz or 120 VAC 60 Hz    |
| Power consumption                 | 1200 W                                      |
| Mechanic                          |                                             |
| Dimensions (W × H × D)            | 60 × 110 × 65 cm                            |
| Hose length                       | 4 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                | ± 10 g                                      |
| Oil and UV weight                 | ± 2 g                                       |

### Published by:

Headquarters: AVL DiTEST GmbH  
 Alte Poststraße 156, 8020 Graz, AUSTRIA, AVLdiTESTSales@avl.com  
 German branch: AVL DiTEST GmbH  
 Schwadernmühlstraße 4, 90556 Cadolzburg, Germany,  
 Tel. +49 9103 713-540, fuesales@avl.com  
[www.avlditest.com](http://www.avlditest.com)

