

IDO - THE 4.0 DIGITAL AUTOMATIC UNIT

EXCLUSIVE INNOVATION

IDO

4.0 digital automatic portable unit

The digital manifold turns into your compact 4.0 digital automatic unit. Thanks to its electronics and its large LCD Touchscreen, **IDO** not only displays information and measurements, but also **manages the various integrated** or connected equipment in order to carry out autonomous operations, such as recovery, pressing, vacuum and charge, or cycles of operations, verifying the results with appropriate **test phases and reports**.

With multiple advantages ranging from time saving to certified quality of the work performed, it is possible to assign tasks or cycles of tasks to the **IDO** portable unit, with the certainty that they will be carried out, checked and certified through reports. The large touchscreen makes the unit extremely easy to use, while the **interconnection** on the Service Portal, accessible via PC and Smartphone, allows remote management and exchange of information in real time.

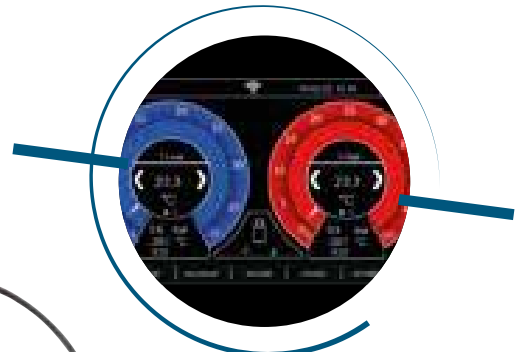
IDO meets the requirements for Impresa 4.0 benefits



Wi-Fi 4.0 Ready Interconnection



Transparent integrated diagnosis manifold



Large digital control touchscreen display



AUTOMATIC CYCLES



Management of PRESSURIZATION and TEST



Management of VACUUM and Test



Management of CHARGE



IDO

4.0 digital automatic portable unit

The IDO range is available in the following versions:

- **IDO HFC**: in several solutions for HFC (A2L included) with or without integrated vacuum pump.
- **IDO ATEX** (Pag. 102-103): suitable also for HC (R290, R600).

Unit IDO features:

- Large digital control touchscreen display.
- 2 pressure sensors (Low and High).
- Built-in electronic precision vacuum gauge (mTorr, Pa, mbar,...).
- 3 temperature sensors (Low, High, Ambient), Subcooling and Superheating.
- Compatibility with all K-type temperature probes (2 x TK109 included).
- Built-in and backlit visual diagnosis SPY manifold.
- 35kg removable scale with fittings and adapters for different cylinders.
- Housing for 950cc Nitrogen/Azoidro cylinders and connection for external cylinder.
- Controlled power supply port for activation of the recovery system.
- USB port for data transfer and report.
- Integrated Wi-Fi kit for 4.0 ready Interconnection.
- Wigam Service Portal, accessible via PC and Smartphone for management information exchange and report.
- Refrigerant database that can be updated from the portal.
- Database that can be updated with the charging data of the manufacturers.
- Versions with dual stage 46, 110 or 180 l/min pump, or version without pump if the user already has one.



| Code | Model | Vacuum pump | Packaging dimensions | Weight |
|-------------|---------|--------------|----------------------|----------|
| 01090035004 | IDO | Prepared | 650 x 400 x 380 mm | 12,80kg |
| 01090035001 | IDO-46 | RS3-46l/min | 650 x 400 x 380 mm | 19,80 kg |
| 01090035006 | IDO-110 | RS7-110l/min | 650 x 400 x 380 mm | 21,50 kg |
| 01090053003 | IDO-180 | RS9-180l/min | 650 x 400 x 380 mm | 23,00kg |



Technical features

| | |
|------------------------|--|
| Refrigerant | CFC,HCFC,HFC,HFO -A2L included |
| Dual stage vacuum pump | 46, 110, 180l/min |
| Scale | 35 kg |
| Empty range | 1-350 Pa |
| Charge accuracy | ±10g <10kg (detachment mode) |
| Power supply | 230V 50/60Hz |
| High/Low hoses | 2,5m 1/4" SAE with LockValve 1/4"e 5/16" SAE |
| Bearings for cylinders | 1/4" SAE, 5/16"SAE, 1/2" 16 ACME Sx |

Automatic functions:



- PRESSURIZATION and TEST to check for leaks
- AUTOMATIC REFRIGERANT RECOVERY MANAGEMENT (recovery system not included)
- VACUUM and VACUUM TEST with rising check
- REFRIGERANT CHARGE internal vehicles database
- USER-ADJUSTABLE AUTOMATIC CYCLES



Calibration

| Codice | Modello |
|----------|----------------------------|
| 09053054 | Calibration report for IDO |

INTERCONNECTION: IDO meets the technical requirements for Impresa 4.0 benefits

