



CE ATEX 3G IIB T3 Gc

**EXCLUSIVE
INNOVATION**

**4.0
READY**



Interconnessione
WIFI 4.0 Ready

HC
R600a - R290
R1270

BOMBOLE NON INCLUDE NEL KIT



Grande schermo
TouchScreen digitale
di controllo

CICLI AUTOMATICI



Gestione
PRESSURIZZAZIONE e Test



Gestione
VUOTO e Test



Gestione
CARICA

IDO ATEX

Stazione digitale automatica portatile 4.0 idonea per R290 e R600a

La gamma IDO è disponibile nelle versioni:

- IDO HFC (pag 52-53): per HFC (A2L inclusi)
- IDO ATEX : idonea anche per refrigeranti A3 quali HC (R290, R600a).

L'unità IDO-ATEX è caratterizzata da:

- Certificazione ATEX Zone 2 (CE Atex 3G IIB T3 Gc)
- Idoneità per essere utilizzata con refrigeranti infiammabili A3 quali R600a - R290 - R1270
- Doppio sistema di scarico automatico coadiuvato da evacuazione tramite pompa per vuoto ATEX integrata o tramite flussaggio con azoto.
- Compatibilità con refrigeranti HC, CFC, HCFC, HFC e HFO (inclusi R32 e R1234yf).
- Grande schermo TouchScreen digitale di controllo.
- 2 sensori di pressione (Low, High).
- Vacuometro elettronico di precisione integrato (mTorr, Pa, mbar...).
- 3 sensori di temperatura (Low, High, Ambient), Subcooling e Superheating.
- Compatibilità con tutte le sonde di temperatura di tipo K (2 TK109 incluse).
- Bilancia estraibile da 35kg con raccordi e adattatori per differenti bombole.
- Attacco per bombola esterna azoto e azoidro.
- Porta USB per trasferimento dati e report.
- Kit wifi integrato per Interconnessione 4.0 ready.
- Portale Service Wigam, accessibile tramite PC e SmartPhone, per gestione, interscambio informazioni e report.
- Database refrigeranti aggiornabile da portale.
- Database aggiornabile con dati di carica dei costruttori.
- Pompa vuoto ATEX bistadio integrata da 46 litri/min.



CE ATEX 3G IIB T3 Gc



Codice	Modello	Pompa Vuoto	Dimensioni imballo	Peso
01090036	IDO-ATEX	RS3D-EX	650 x 400 x 380 mm	22,00 kg

Funzioni automatiche:



- PRESSURIZZAZIONE e TEST per verifica perdite
- GESTIONE SCARICO HC AUTOMATICO
- VUOTO e TEST VUOTO con verifica risalita
- CARICA REFRIGERANTE database macchine interno

• CICLI AUTOMATICI PERSONALIZZABILI



Taratura

Codice	Modello
09053054	Rapporto taratura per IDO



Caratteristiche tecniche

Refrigeranti	CFC, HCFC, HFO, HC-A3 (R290,R600a...)
Pompa bistadio	46 l/min - ATEX
Bilancia	35 kg
Range vuoto	1-600 Pa
Accuratezza carica	±5g <5kg (detachment mode)
Alimentazione elettrica	230V 50/60Hz
Tubazioni Low/High	1,5m 1/4" SAE con LockValve 1/4"
Attacchi bombola	1/4"SAE, 5/16"SAE + Supporti 7/16"SAE, 1/2"-16ACME Sx



INTERCONNESSIONE: IDO possiede i requisiti tecnici richiesti per le agevolazioni in ambito Impresa 4.0





CE ATEX 3G IIB T3 Gc

**EXCLUSIVE
INNOVATION**



Wi-Fi 4.0
Ready Interconnection



BOTTLES NOT INCLUDED IN THE KIT



Large touchscreen digital
control display

AUTOMATIC CYCLES



Management of
PRESSURIZATION and TEST



Management of
VACUUM and Test



Management of
CHARGE



IDO ATEX

4.0 digital automatic portable unit suitable for R290 and R600a

The digital manifold turns into your compact ATEX 4.0 digital automatic unit. **IDO ATEX** is suitable to work with flammable refrigerants such as R290 and R600a and thanks to its electronics and its large LCD Touchscreen, it does not only display information and measurements, but also manages the various integrated or connected equipment in order to carry out autonomous operations, such as discharge and 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 ATEX** 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 ATEX meets the requirements for Impresa 4.0 benefits.

IDO ATEX

4.0 digital automatic portable unit suitable for R290 and R600a

The IDO range is available in the following versions:

- IDO HFC (see page 52-53): for HFC (A2L included).
- IDO ATEX: suitable also for A3 refrigerants such as HC (R290, R600a).

Unit IDO ATEX features:

- ATEX Zone 2 Certification (CE Atex 3G IIB T3 Gc).
- Suitability to be used with A3 flammable refrigerants such as R600a-R290-R1270.
- Double automatic discharge system assisted by evacuation through integrated Atex vacuum pump or through flushing with nitrogen.
- Compatibility with refrigerants HC, CFC, HCFC, HFC and HFO (included R32 and R1234yf).
- 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).
- 35kg removable scale with fittings and adapters for different cylinders.
- Connection for external cylinder of Nitrogen or Azoidro.
- USB port for data transfer and report.
- Integrated wifi 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.
- Dual stage 46 l/min integrated vacuum pump.



CE ATEX 3G IIB T3 Gc



Code	Model	Empty pump	Packaging dimensions	Weight
01090036	IDO-ATEX	RS3D-EX	650 x 400 x 380 mm	22,00 kg

Automatic functions:



- PRESSURIZATION and TEST to check for leaks
- AUTOMATIC HC DISCHARGE
- VACUUM and VACUUM TEST with rising check
- REFRIGERANT CHARGE internal vehicles database
- USER-ADJUSTABLE AUTOMATIC CYCLES



Calibration

Code	Model
09053054	Calibration report for IDO

Technical features

Refrigerant	CFC, HCFC, HFO, HC-A3 (R290,R600a...)
Dual stage vacuum pump	46 l/min
Scale	35 kg
Empty range	1-600 Pa
Charge accuracy	±5g <5kg (detachment mode)
Power supply	230V 50/60Hz
High/Low hoses	1,5m 1/4" SAE with LockValve 1/4"
Bearings for cyclinders	1/4"SAE, 5/16"SAE + Bearings 7/16"SAE, 1/2"-16ACME Sx

SPARE PARTS AND ACCESSORIES PAG. 101

INTERCONNECTION: IDO meets the technical requirements for Impresa 4.0 benefits

