



BASIC

CAR101-XX, CAR102-XX, CAR104-XX

CAR101-01	Basic Classic
CAR101-02	Basic Classic + Vacuum
CAR101-03	Basic Classic + Vacuum Plus
CAR102-01	Basic High Performance
CAR102-02	Basic High Performance + Vacuum
CAR102-03	Basic High Performance + Vacuum Plus
CAR104-01	Basic Hyper Performance
CAR104-02	Basic Hyper Performance + Vacuum
CAR104-03	Basic Hyper Performance + Vacuum Plus

► BASIC

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DESCRIPTION

- Ideal for: Recovery in **Medium and High voltage AIS and Particles Accelerators**
- **Compact** design
- **Fully automated** control of operations
- Intuitive interface, **easy to use**
- **Recovery** from an equipment up to a pressure of less than 1 mbar abs (in compliance with CEI EN62271-4)
- Available in **multiple versions** to meet all equipment size needs
- **Recycling in autonomy**: the integrated Filter allows the reduction of humidity levels and the elimination of gases resulting from the SF₆ decomposition



TECHNICAL SPECIFICATIONS

⚙️ DIMENSIONS: Length: 1200 mm - Width: 700 mm - Height: 1550 mm

⚙️ POWER SUPPLY: 400V 50/60Hz three-phase

⚙️ COLORS: Yellow: RAL 1016 matt - Black: RAL 9005 matt

CODE	WEIGHT(kg)
CAR101-01 CAR102-01	340
CAR101-02 CAR101-03 CAR102-02 CAR102-03	360
CAR104-01	400
CAR104-02 CAR104-03	420

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STANDARD EQUIPMENTS

Moisture filter	5 m long DN8 hose with 2 couplings DN8 female valves
Particulate filter	
2" LCD display	Storage hose connection DN8 of 5 m length for cylinder connection
Precision vacuum meter for vacuum gas measurement (0-100mbar)	Dry compressor: see below
Precision vacuum meter for air vacuum measurement (0-100mbar)	Dry vacuum compressor: see below
Inlet and outlet manometers	Air vacuum pump: see below

⚙️ Dry Compressor

Code	Nominal Flow Rate	Discharge Pressure (bar)
CAR101-01	4.5 Nm ³ /h	50
CAR101-02	4.5 Nm ³ /h	50
CAR101-03	4.5 Nm ³ /h	50
CAR102-01	9 Nm ³ /h	50
CAR102-02	9 Nm ³ /h	50
CAR102-03	9 Nm ³ /h	50
CAR104-01	3.0-41.0 bar(a) -> 13.4 Nm ³ /h	50
CAR104-02	3.0-41.0 bar(a) -> 13.4 Nm ³ /h	50
CAR104-03	3.0-41.0 bar(a) -> 13.4 Nm ³ /h	50

⚙️ Dry Vacuum Compressor

Code	Nominal Flow Rate (Nm ³ /h)	Final Pressure (mbar)
CAR101-01	6	<1
CAR101-02	6	<1
CAR101-03	6	<1
CAR102-01	15	<1
CAR102-02	15	<1
CAR102-03	15	<1
CAR104-01	15	<1
CAR104-02	15	<1
CAR104-03	15	<1

⚙️ Air Evacuation Pump (with Solenoid Valve)

Code	Nominal Flow Rate (Nm ³ /h)	Final Pressure (mbar)
CAR101-01	/	/
CAR101-02	25	< 1
CAR101-03	40	< 1
CAR102-01	/	/
CAR102-02	25	< 1
CAR102-03	40	< 1
CAR104-01	/	/
CAR104-02	25	< 1
CAR104-03	40	< 1

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OPTIONAL ACCESSORIES

- ☆ **TBS101-02**: 2mt Rubber hose DN8 with DN8 female valves
- ☆ **TBS101-03**: 5mt Rubber hose DN8 with DN8 female valves
- ☆ **TBS101-04**: 10mt Rubber hose DN8 with DN8 female valves
- ☆ **VAL102-01**: Adapters kit DN8
- ☆ **TBS102-01**: 5mt Rubber hose DN20 with DN8 female valves
- ☆ **TBS102-02**: 10mt Rubber hose DN20 with DN20 female valves
- ☆ **TBS102-03**: 20mt Rubber hose DN20 with DN20 female valves
- ☆ **VAL103-01**: Adapters kit DN20
- ☆ **TBS106-01**: Storage hose connection
- ☆ **COV101-01**: Waterproof cover
- ☆ **SCA101-01**: Scale

DOCUMENTATION PROVIDED

- 📄 Operating manual
- 📄 SF₆ gas safety data sheet

CERTIFICATES ISSUED

- 📄 Plant Helium Leak Test Certificate (UNI EN ISO 9712 - SNT TC1A)
- 📄 Safety valves Calibration Certificate
- 📄 Safety valves INAIL Certificate