

PURE

GLOVE BOX WITH
STAND-ALONE PURIFICATION UNIT
< 1 PPM H₂O - O₂



PURESMART

STANDARD RANGE



Core-8

MODULAR EQUIPMENT

Wide range of common equipment and options for all traditional glove boxes applications

- ▼ Mini vacuum chamber Ø 150
- ▼ Solvent trapping
- ▼ Freezer (range down to -40°C)
- ▼ Antistatic solutions
- ▼ Filters
- ▼ Microscopes
- ▼ Feedthroughs

PURIFICATION UNIT

- ▼ Single-line H₂O - O₂ stand-alone purification unit
- ▼ Leak rate < 10E-5mbar l/s
- ▼ Closed-loop circulation, 30m³/h flow
- ▼ Automatic regeneration
- ▼ Regeneration N₂ or Ar + 3-10% H₂
- ▼ Purification capacity **Core-8**
 - 36 L O₂
 - 1000 g H₂O

JACOMEX

- For **Academic Research, start-ups** and **industries**
- Protection of quality products for standard needs **under ultra-pure atmosphere**

24/24 Energy-Saving Mode
In standby and in use
During handling



TECHNICAL DATA

▼ Tightness Class 1 according to ISO 10648-2 (oxygen method) Leak rate < 5.10E-4/h (0.05 Vol%/h)
▼ EPDM gaskets with high chemical resistance
▼ Glovebox - vacuum chamber - piping: stainless steel X2CrNi18-9 (AISI304L)
▼ Manual vacuum chamber Ø 400 Length 600 mm Inner sliding tray - Removable rails Leak rate < 10E-5mbar l/s
▼ Front panel: sapphire polycarbonate - laminated mineral glass
▼ Polymer glove rings Ø 220 mm - Antistatic butyl gloves
▼ Lighting from the ceiling (LED spotlights)
▼ 6 stainless steel shelves (height-adjustable)
▼ 1 electrical feedthrough 230V + 6 blank feedthroughs for ISO KF40
▼ Automatic regulation (positive or negative pressure)
▼ Remote stand-alone H ₂ O - O ₂ purification unit
▼ 7" HD color touch screen: new intuitive menus, integrated assistance, user management, traceability, graphs and alarms...



NEW INTERFACE 7"

ADVANTAGES

- ▼ Pre-equipped modules for plug-and-play extension
- ▼ Short purification circuit - Enhanced performance
- ▼ High purification capacities designed to purify no less than 2 to 3 modules
Purification loads among the most quantitative on the market for equivalent range
- ▼ Pressure regulation without vacuum pump (positive pressure/negative pressure)
- ▼ Comfortable to use - **Quiet**
- ▼ Short delivery time
- ▼ Easy and accessible maintenance
- ▼ Long service life - Low operating costs

POSSIBLE APPLICATIONS...

- ▼ Storing
- ▼ Preparation
- ▼ Scaling
- ▼ Chemical reactions and synthesis
- ▼ Organometallic chemistry
- ▼ Material Science
- ▼ Chromatography
- ▼ Experiments under strict anaerobic
- ▼ Parts assembling
- ▼ Crystallography
- ▼ Electrochemical assembling and tests

NEW HMI INTERFACE

- ▼ High definition 7" display with great legibility
- ▼ Intuitive navigation with a lot of user-friendly menus
- ▼ Adjustable parameters, continuous recording and graphs
- ▼ Integrated PLC assistance and maintenance for clear and optimal operating and ease of use



PURE

< 1 PPM H₂O & O₂



GLOVE BOX WITH STAND-ALONE PURIFICATION UNIT

SINGLE-LINE PURIFIERS

CORE-8

▼ Circulation flow: 30m³/h

▼ Capacities : 36L O₂ - 1000g H₂O

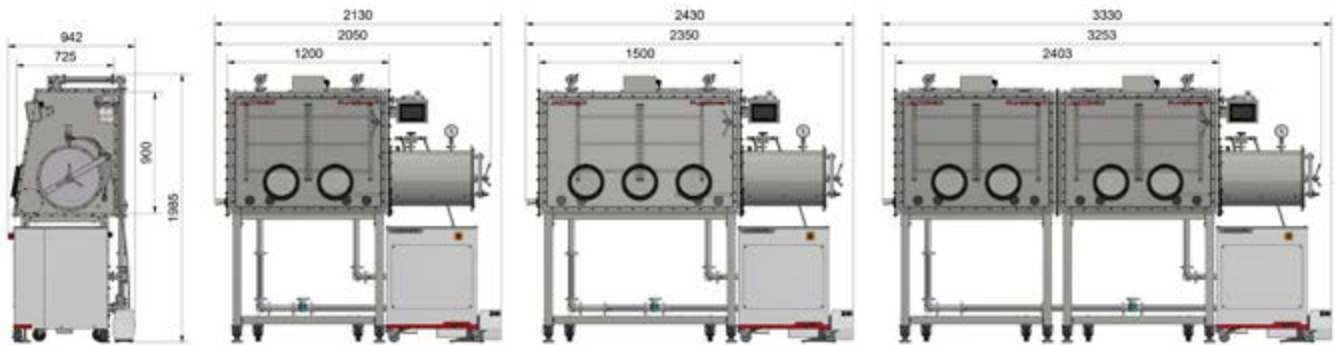


COMPARED DATA

Technical Data	PURESMART CORE-8	PUREMOD CORE-10	PUREEVO CORE-12	PUREEVO CORE-24P	PUREEVO CORE-24S
St.Steel Glovebox AISI 304L Thickness 3 mm Tightness class 1 ISO 10648-2	✓	✓	✓	✓	✓
Energy-Saving Mode	✓	✓	✓	✓	✓
Operating mode : positive and negative pressure	✓	✓	✓	✓	✓
Vacuum pump 2 stages 21m ³ /h (Limit Press. 5.10-4 mbar)	✓	✓	✓	✓	✓
Automatic vacuum chamber with adjustable parameters	●	✓	✓	✓	✓
Blower with variable flow		✓	✓	✓	✓
Customized project follow-up		✓	✓	✓	✓
Custom Design / Process integration			✓	✓	✓
Glovebox tightness Self-test	●	●	●	●	●
Alarm Inert gas missing/failure	●	●	●	●	●
Double sided working area		●	●	●	●
Adjustable automatic glovebox flushing depending on H ₂ O / O ₂ -values		●	●	●	●
Heated mini vacuum chamber Ø150 mm		●	●	●	●
Vacuum chamber with interlocked doors Ø400 mm		●	●	●	●
Glovebox Design: high cleanability			●	●	●
Glovebox Design: electropolishing - Surface coating			●	●	●
Purifier by-pass with automatic purification start (auto-start)			●	●	●
Electronic gauge with vacuum-interconnected cycling			●	●	●
Heated vacuum chamber Ø400 mm			●	●	●
HMI Touch Panel size	7"	7"	10"	10"	10"
Modularity - Integration flexibility	+	++	++++	++++	++++

✓ Standard ● Option

DIMENSIONS AND DESIGN: PURE RANGE



JACOMEX
pure safety

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