

Pure

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



PureMod

MODULAR RANGE



Core-10

FLEXIBILITY AND MODULARITY

Workstation: single-sided - double-sided
Numerous options for all processes in R&D and production

- ▼ Mini vacuum chamber Ø 150
- ▼ Mini heating vacuum chamber Ø 150
- ▼ T-shaped vacuum chamber
- ▼ Solvent trap
- ▼ Freezer (range down to -40°C)
- ▼ Anti-static solutions
- ▼ Filters
- ▼ Microscopes
- ▼ Feedthroughs

PURIFICATION UNIT

- ▼ Single-line H₂O - O₂ stand-alone purification unit
- ▼ Leak rate < 10E-5mbar l/s
- ▼ Closed loop circulation - Adjustable flow rate 0-120m³/h
- ▼ Automatic regeneration
- ▼ Regeneration N₂ or Ar + 3-10% H₂
- ▼ Purification capacity **Core-10**
 - 45 L O₂
 - 1250 g H₂O

JACOMEX

- **Excellent performance** for any industrial or experimental development requiring modularity and high purity of the atmosphere.
- Recommended for the integration of scientific instrumentation, measurement and analysis devices and in process improvement.

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)
▼ Programmable automatic 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

- ▼ Versatility: flexible standard design
- ▼ **Customized project management - The basic essentials**
Technical support, simulation on 3D drawings, verification of the technical and ergonomic layout.
- ▼ Short purification circuit - Optimised performance
- ▼ Increased purification capacities designed for larger volumes and longer regeneration times
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**
- ▼ Easy and accessible maintenance
Long service life - Low operating costs

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

POSSIBLE APPLICATIONS...

- ▽ Materials science and polymers
- ▽ Synthesis chemistry
- ▽ Assembly and characterisation of lithium-ion batteries
- ▽ Biology and all kind strong anaerobic atmospheres
- ▽ Innovative materials, materials chemistry, silicone chemistry
- ▽ Welding of titanium parts for the aeronautics industry.



Pure

< 1 PPM H₂O & O₂

GLOVE BOX WITH STAND-ALONE PURIFICATION UNIT



SINGLE-LINE PURIFIERS

Core-10

Variable circulation flow: max.120m³/h

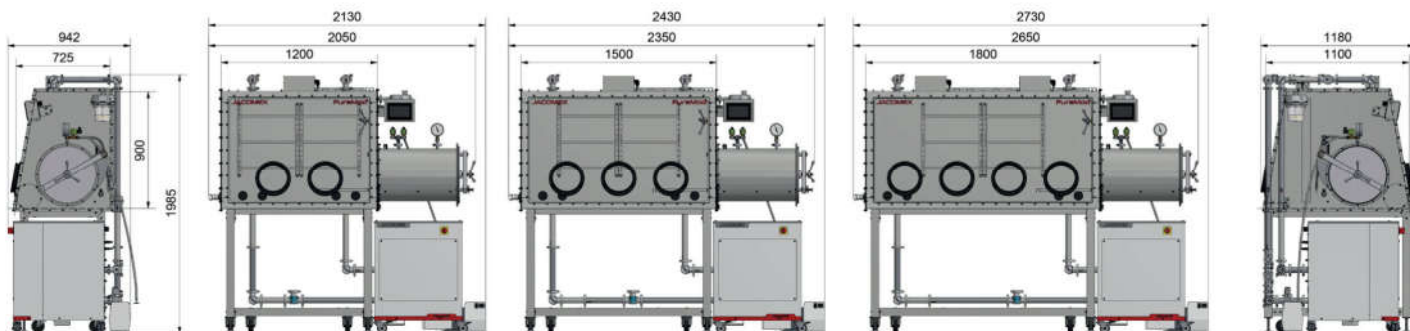
Capacities: 45L O₂ - 1250g H₂O

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	✓	✓	✓	✓	✓
Modular users management	✓	✓	✓	✓	✓
Report writing	✓	✓	✓	✓	✓
Help hands-in-gloves	✓	✓	✓	✓	✓
Vacuum pump 2 stages 21m ³ /h (Limit Press. 5.10-4 mbar)	✓	✓	✓	✓	✓
Automatic vacuum chamber with adjustable parameters	●	✓	✓	✓	✓
Glovebox tightness self-test	●	✓	✓	✓	✓
Blower with variable flow		✓	✓	✓	✓
Customized project follow-up		✓	✓	✓	✓
Custom Design / Process integration			✓	✓	✓
Alarm inert gas missing/failure	●	●	●	●	●
Double sided working area		●	●	●	●
Adjustable automatic glovebox flushing based 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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