



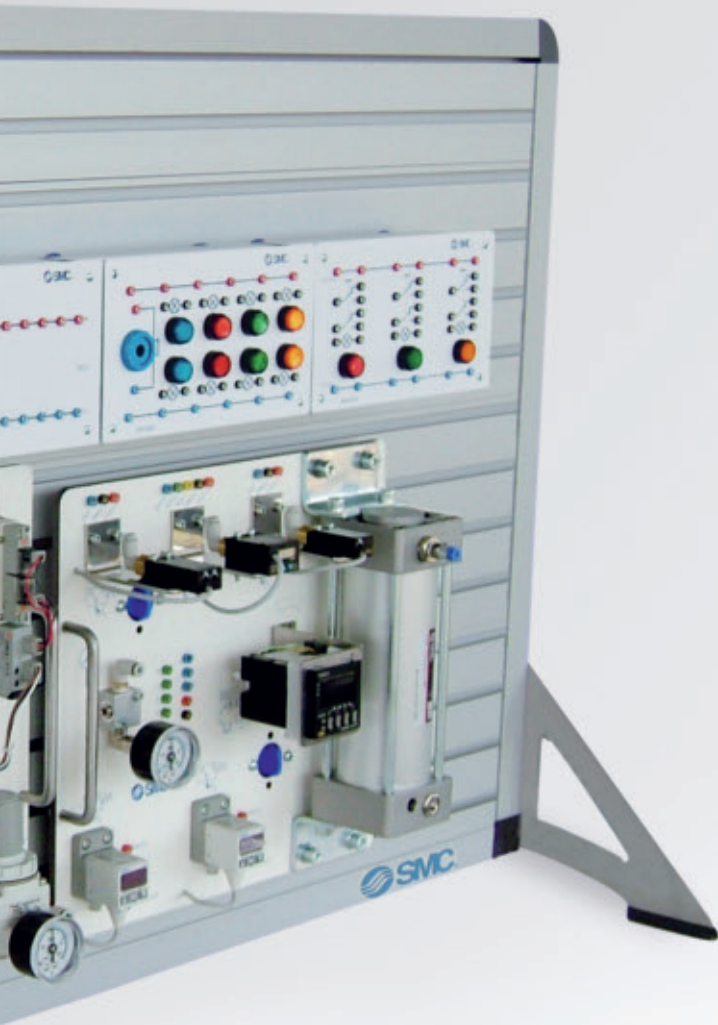
VAC-200

Vacuum technology

Given the increasing demand by companies for qualification in vacuum techniques, we have designed VAC-200, a didactic system specially devised for the development of skills related to this technology.

VAC-200 complements the PNEUTRAINER-200 (Pneumatics and electro-pneumatics trainer) family, including the most widely used vacuum components in industry.





- SAI2330 VAC-200 Vacuum trainer
- SAI2331 VAC-200 Vacuum trainer (without Pneutrain-200 references)





Modularity

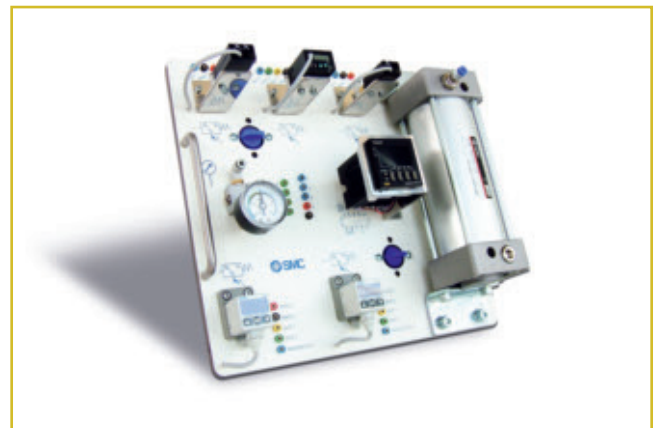
The modular features of the equipment allow the user to design various configurations and to work on both sides of the panel, thus increasing the number of users who can carry out practical exercises at the same time.



VAC-200 includes two modular panels which contain the vacuum components most used in industry such as:

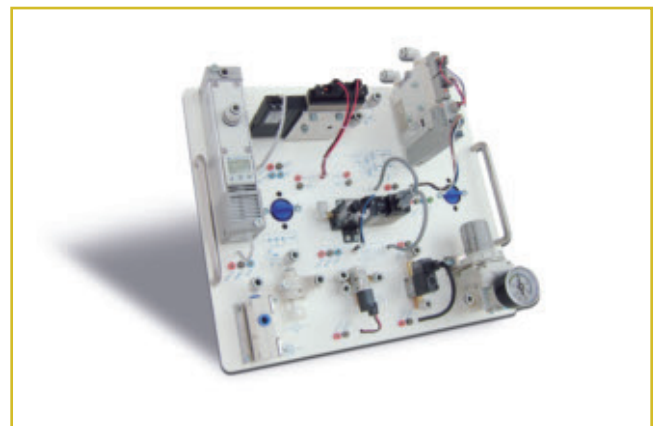
PANEL A:

- Air tank
- Pressure gauge
- Various types of pressure switches with various ranges of pressure (one/ various digital / analogue outputs)
- Programmable timer



PANEL B:

- Vacuum regulator with vacuum
- Vacuum filter
- Vacuum ejector
- Multiphase ejector
- 3 different vacuum units (with their corresponding solenoid valves, filters, etc.)



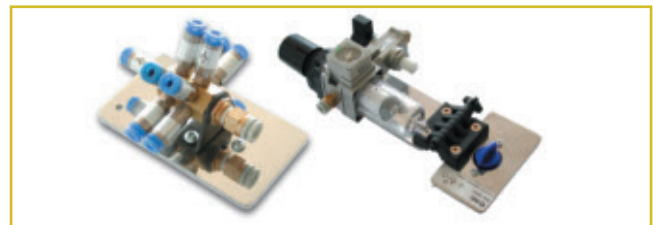
VAC-200 also includes:

- A complete set of vacuum pads of different types and materials (NBR, urethane, silicon, fluorine rubber), to attach objects with varying shapes and positions.
- Complete manual of documentation.
- All the necessary components (tube, fittings, cables, tube cutter, etc.).



For cases where the client does not have a PNEUTRAINER-200 composition, in addition to the previous elements the following components are offered in a reference:

- Power supply, a block of electric inputs and another with indicators (pilots + buzzer).
- Air treatment unit and distributor block.
- Aluminum panel for both vertical and horizontal work.



All the components are supplied in trays for correct storage, inside a EUROBOX box.





Documentation

■ VAC-200 includes a complete set of documentation which includes:

- User manual with the technical specifications of each of the components included in the VAC-200.
- Self-learning course on the vacuum technique which makes the various concepts of this technique enjoyable and structured and proposes practical exercises in order to control learning progress.
- Vacuum theory book.
- Manual of exercises with a complete collection of practical activities directed at the development of the skills related with the vacuum technique.



Other didactic supports

In addition to the documentation included in each training system, the users can complement their training with the following didactic supports:



autoSIM-200: The shortest way to automation!
Software for training in automation technologies. More information on page 22.



Pneumatic slides:
Set of slides organized in chapters to be used as a support in the laboratory. In CD format or projector slides. More information on page 64.



Case with pneumatic symbols.
Set of magnetic symbols for working on the metal board. More information on page 64.



VAC-200: VACUUM TECHNOLOGY



PANEL A (Included in SAI2330 and SAI2331)

- **Dimensions:** 310 x 330 mm
- **Air tank :** mounted on feet with non-return fittings
- **Pressure switches/vacuum pressure switches:**
 - 2 compact vacuum pressure switches
 - 1 digital vacuum pressure switch
 - 24 V timer
 - 2 programmable digital vacuum pressure switches.
 - Pressure switch with electric contact

PANEL B (Included in SAI2330 and SAI2331)

- **Dimensions:** 310 x 370 mm
 - Multiphase vacuum ejector
 - Vacuum unit with ejector, valves, vacuum pressure switch and filter
 - Compact vacuum ejector
 - 4/2 way direct operated micro solenoid valve
 - 3/2 way NC miniature solenoid valve
 - Vacuum ejector with valve and vacuum pressure switch
 - Vacuum ejector with valve and timer
 - Vacuum regulator with pressure gauge
 - Air suction filter for vacuum

Set of vacuum pads: (Included in SAI2330 and SAI2331)

- 1 flat NBR vacuum pad with ridges
- 1 silicone vacuum pad with gaiter
- 1 urethane vacuum pad with gaiter
- 1 fluorine rubber vacuum pad with gaiter
- 1 flat NBR vacuum pad with joint
- 1 flat NBR vacuum pad with telescope
- 1 deep / concave NBR vacuum pad with telescope

Optional elements: (Included in SAI2330)

- 1 air treatment unit
- 1 distributor block
- Flexible 4 mm tube
- Set of 10 "T" fittings
- Set of 10 plastic fittings
- Set of connection cables
- 1 tube cutter tool
- 1 power supply source
- 1 block of indicators (pilots + buzzer)
- 1 block of electric inputs (3 push buttons)
- Aluminum panel with feet for vertical positioning and handgrip. (dimensions: 582 x 770 mm)