

TRAINING SUITCASE ON PNEUMATIC SYSTEMS

Discover pneumatic system components quickly and easily with this simple and intuitive suitcase. This compact didactic solution allows the acquisition and validation of skills in a simple environment. Ideal to initiate your students in a clear and fast way!

This unit allows to put pneumatic cylinders into operation by a set of distributors and buttons. The components have their air and electrical connection terminals mounted on the translucent face, allowing to realize the air and control circuit of your choice.

Quick couplings allow easy handling of pneumatic interconnections with Ø4mm tubes (supplied). A documentation details the electro-pneumatic components commissioning. The model is connected to the air network by a fluted inlet.

Component identification and other technical characteristics are screen-printed on the faces. Wiring on 4mm terminals (safety leads provided).

EDUCATIONAL OBJECTIVES

- Discover pneumatic components
- Understanding an electropneumatic circuit
- Commissioning and handling pneumatic equipment
- Handle the wiring of the various components.

Possible practical work

- Study and realization of electrical and pneumatic diagrams
- Identification of components
- Realization of pneumatic and electrical connections
- Analysis of an operating cycle
- Connection of different components to launch functionalities

COMPOSITION OF THE SUITCASE

On the lower side

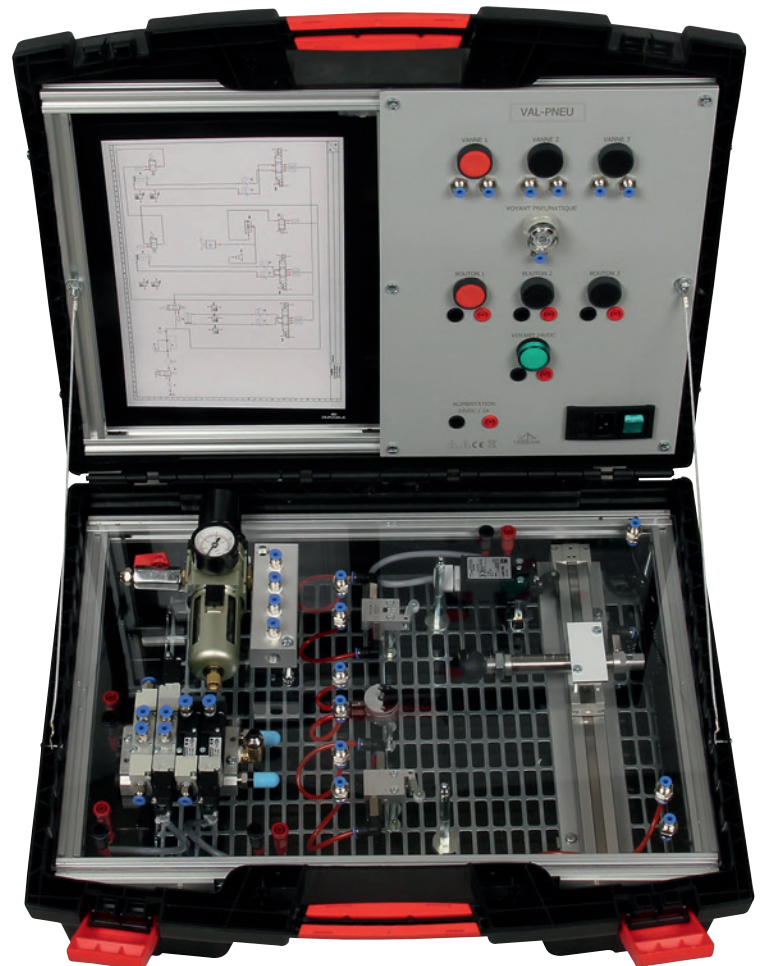
- 1 air treatment unit consisting of a pressure regulator, a filter and a cut-off valve
- 1 distributor block composed of:
 - a monostable 3/2 distributor with pneumatic control
 - a monostable 3/2 distributor with 24Vdc electric control
 - a bistable 5/2 distributor with pneumatic control
 - a 5/3 distributor with closed center, with 24Vdc electric control
- 1 rodless cylinder
- 1 single-acting cylinder (rod exit control)
- 1 rotating cylinder 180°
- 1 electric limit sensor
- 2 pneumatic limit sensors
- 2 unidirectional flow reducers

On the upper side

- 1 x 24VDC indicator light
- 1 pneumatic indicator
- 3 push buttons 24VDC
- 3 pneumatic push buttons
- 1 power supply 24Vdc



Case with ergonomic handle.
Dimensions 534 x 374 x 190mm.
Power supply by 230V-2P+E power cord.



ref. VAL-PNEU

DELIVERED WIRED
AND SET

TEACHING RESSOURCES
STUDENTS / TEACHER

COMPRESSOR OPTION

Oil-free four-cylinder, compress pollution-free air into a tank that maintains a stable and smooth pressure.

Each cylinder is equipped with a filter.

A regulator and a pressure gauge adjust the operating pressure of a few tenths of a bar to the maximum pressure in the tank. The pressure value can be chosen between two option: 4 bar with engine stop by pressure switch or 6 bar in permanent operation.

The compressor has thermal protection.

Very low noise nuisance.

- Flow rate: 70 l/min
- Adjustable pressure from 0 to 6 bar
- Tank volume: 4 liters
- Power: 180W
- Sound level:
70dBA (very low noise)
- Power supply: 230VAC 50Hz
- Dimensions/weight:
385 x 205 x 325mm / 8.4kg

