



INSTRUCTION AND MAINTENANCE MANUAL

INDUSTRIAL VACUUMS

SERIES



RAM 1000AV



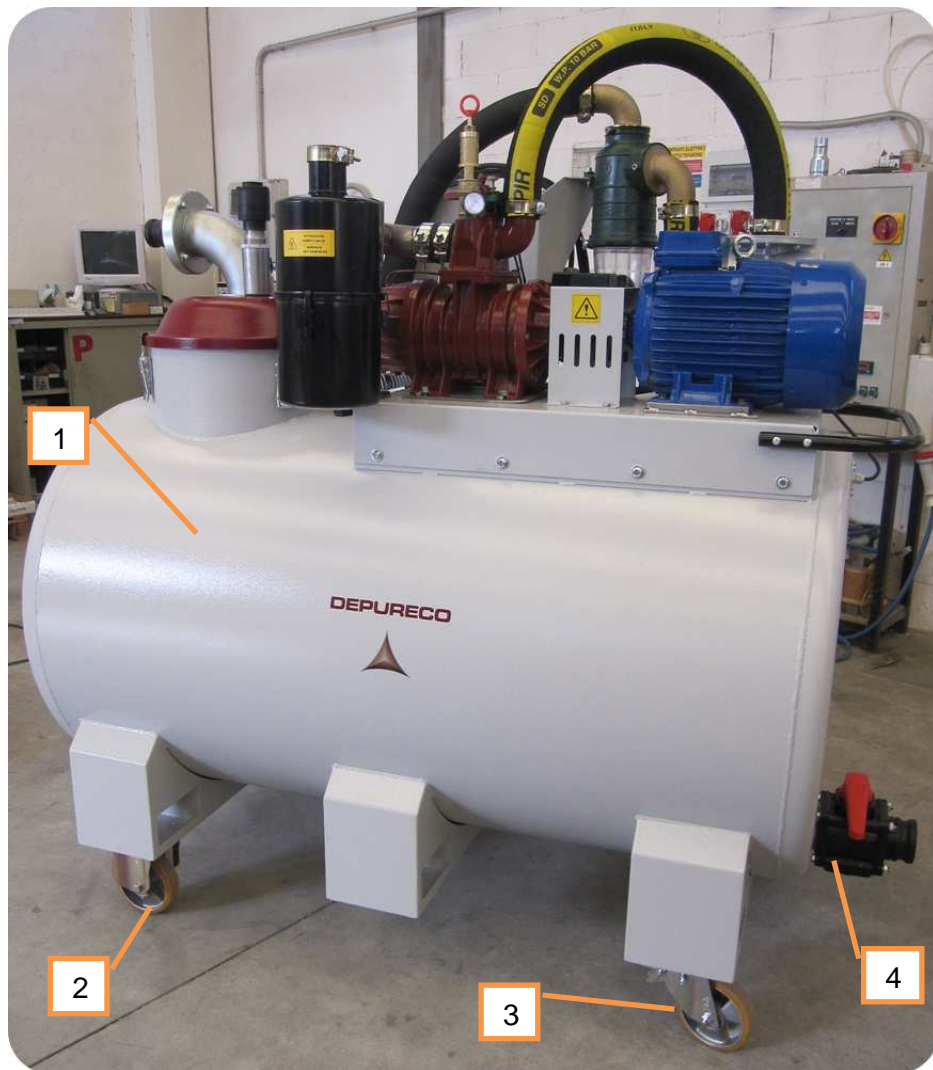
This manual is an integral part of the vacuum.
Carefully read this manual and its attachments. Knowing the instructions contained in it is
crucial for using the vacuum and carry out maintenance operations under full safety
conditions.

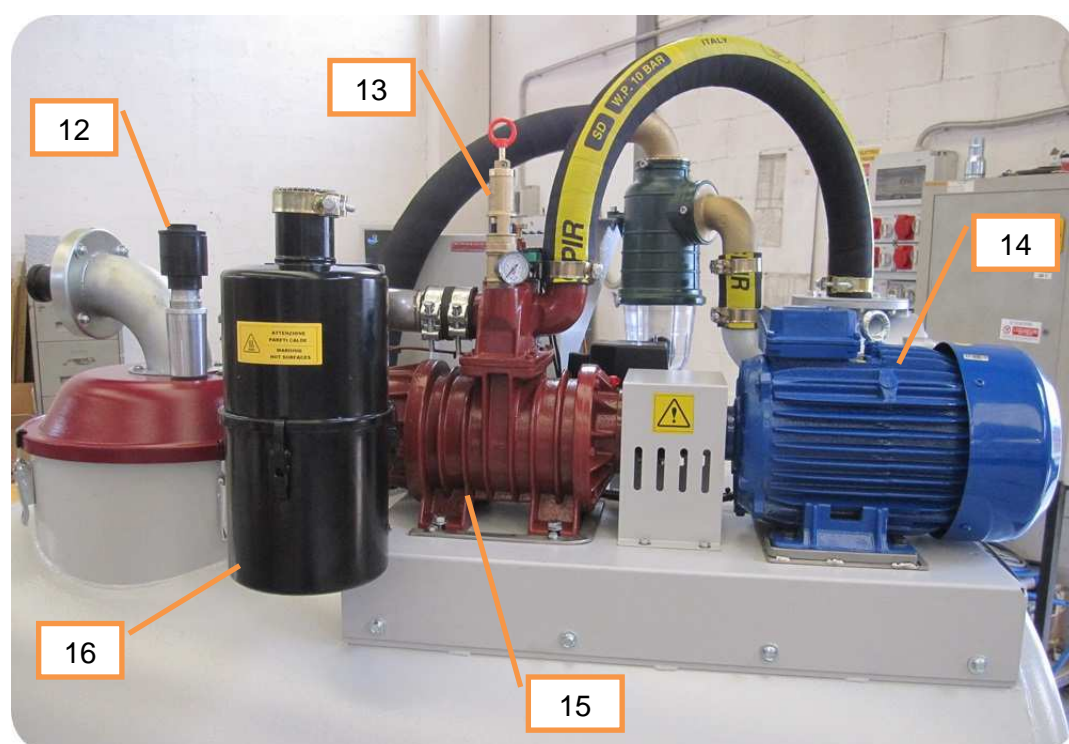
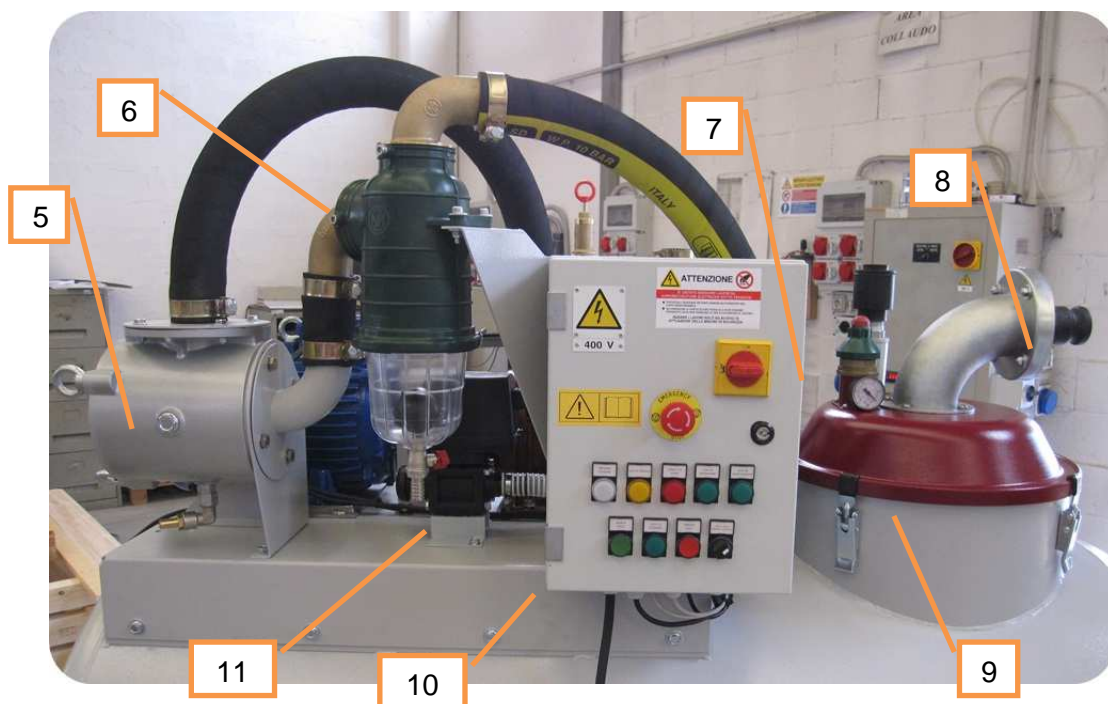
Rev. B / 15-12-2016

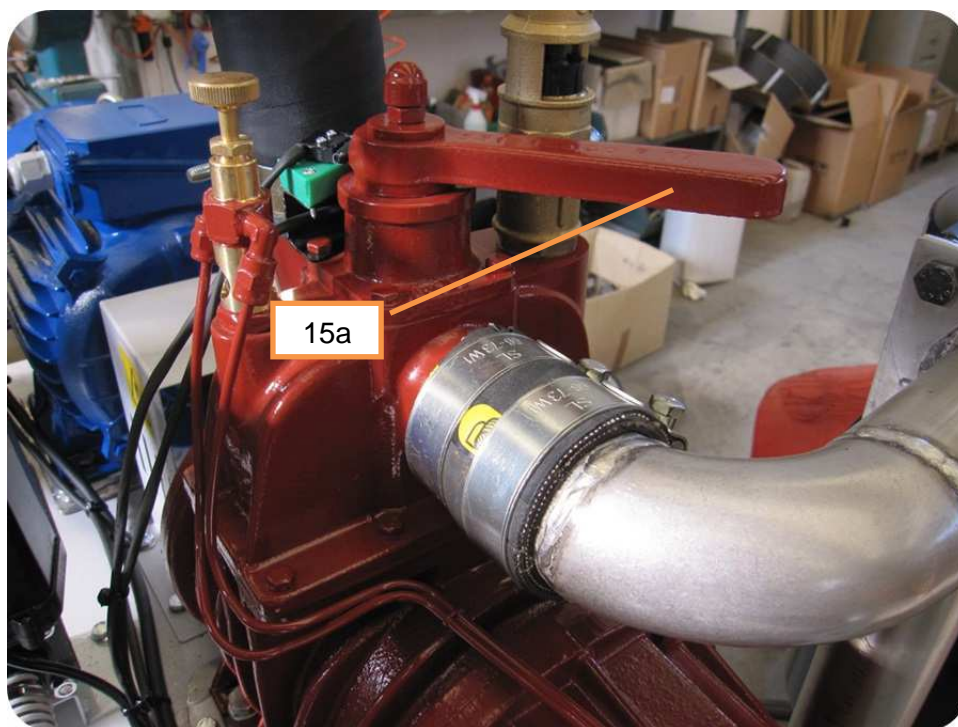


1. INFORMATION SECTION

1. Identification of the main parts









List of components

1. extracted liquid tank
2. fixed casters
3. swivel casters
4. extracted liquid escape valve
5. air-water filter
6. cleaner
7. vacuum limiting valve
8. suction hose inlet
9. cover
10. control panel
11. pressure reset valve
12. pressure limiting valve
13. pressure limiting valve
14. electric motor
15. pressure reducer
16. separator/silencer filter
17. grilled basket



2. Technical data

DATI TECNICI / TECHNICAL DATA		
POTENZA / POWER	KW	5,5
DEPRESSIONE / VACUUM	mbar	900
PORTATA D'ARIA / MAX AIR FLOW	mc/h	300
TENSIONE / VOLTAGE	V - HZ	400 50/60
CAPACITA' SERBATOIO / BIN CAPACITY	L	1000
CONTENITORE SOLIDI/SOLID BIN CAPACITY	L	40
BOCCA ASPIRANTE / INTAKE OPENING	mm	50
TEMPO DI ASPIRAZIONE / SUCTION TIME	L/sec	1000/220
TEMPO DI SCARICO / DUMPING TIME	L/sec	1000/240
LIVELLO SONORO / NOISE LEVEL	dBA	82
PESO / WEIGHT	Kg	460
DIMENSIONI / DIMENSIONS	Cm	94x165x188



3. Operation

3.1 Control panel





3.2 Operating cycle

Ensure that the power cord is intact and in perfect state.



Attention!

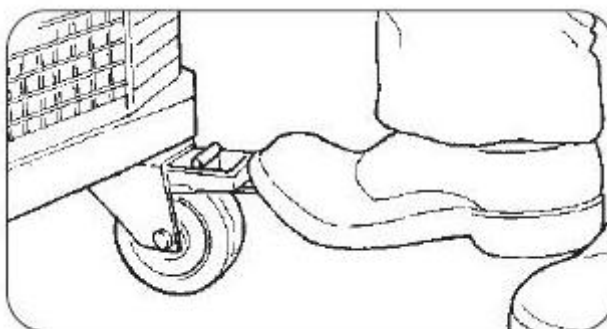
Before inserting the plug, ensure that the voltage of the power supply line corresponds to that indicated on the equipment's identification plate.

Ensure that the power plug is inserted correctly into the socket.

Ensure that the hose is inserted properly and locked into the appropriate inlet.

Ensure that the refuse collection gridded basket is properly locked to the vacuum.

Block the vacuum using the brakes on the swivel casters, as shown in the figure.



Attention!

Do not shift the vacuum while it is operating.

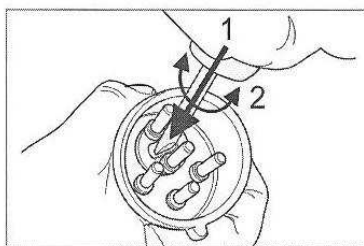


3.2.1 Vacuum

1. Insert the plug and turn the cut-out switch to 0
2. turn the operation reversing lever (no. 15a in the figure) and make sure the LEVER IN VACUUM light is on
3. check the operation of the pressure limiting valve (no. 13 in the figure), pulling the red top eyelet upwards to verify the plate lifts without obstruction
4. turn the CYCLE CHOICE selector to VACUUM
5. press the CYCLE START button: the motor starts and the CYCLE IN OPERATION light switches on

If, upon switching the machine on, the hose blows instead of vacuuming,

1. switch the machine off by pressing the CYCLE STOP button
2. wait for the CYCLE IN OPERATION light to switch-off
3. switch-off the control panel by turning the cut-out switch to 0
4. disconnect the plug and reverse poles on the equipment plug by means of the inverter.



Warning!

Before turning the vacuum on again, ensure that the pump has fully stopped.



Warning!

During operation, prevent the hose from rolling up or bending.



Press the CYCLE STOP button to stop vacuuming. The CYCLE IN OPERATION light remains on for a few seconds during which the pressure reset valve (no. 11 in the figure) opens to balance the pressures inside and outside the tank. The control panel can be disconnected after the light switches off.

It is recommended, before stopping the machine, to extract the suction hose from the liquid for the following reasons:

- any residual depression inside the tank would prolong vacuuming for an indefinite time beyond the intentional stop
- extracting the hose just before allows draining its liquid and avoid accidental subsequent spills.

Upon reaching the maximum level admitted inside the tank, vacuum automatically stops (in this case also with the opening of the pressure reset valve) and the FULL TANK alarm light switches on. It is now only possible to run the machine in draining mode.

3.2.2 Draining

1. Insert the plug and turn the cut-out switch to 0
2. turn the operation reversing lever (no. 15a in the figure) and make sure the LEVER IN DRAINING light is on
3. turn the CYCLE CHOICE selector to DRAIN.
4. open the escape valve (no. 4 in the figure)
5. press the CYCLE START button: the motor starts and the CYCLE IN OPERATION light switches on.

Press the CYCLE STOP button at the end.



4. Periodical checks

Pressure reducer oil levels: for details refer to the use and maintenance manual for the specific model (PN 33 D)

Cleaning the air-water filter: for details refer to the relative technical sheet.