

VACUUM PUMP CONTROL FOR RVO 200 A

User manual

Producer : INGOS

Supplier and service : INGOS s.r.o. Tel: +420 2 96781683
K Nouzovu 2090 +420 2 96781692
14316 PRAHA 4 Fax: +420 2 44403051
e-mail:ingos@tnet.cz

INTRODUCTION

1

PUTTING INTO OPERATION

2

CONCLUSION

3

TABLE OF CONTENTS

4

1. INTRODUCTION

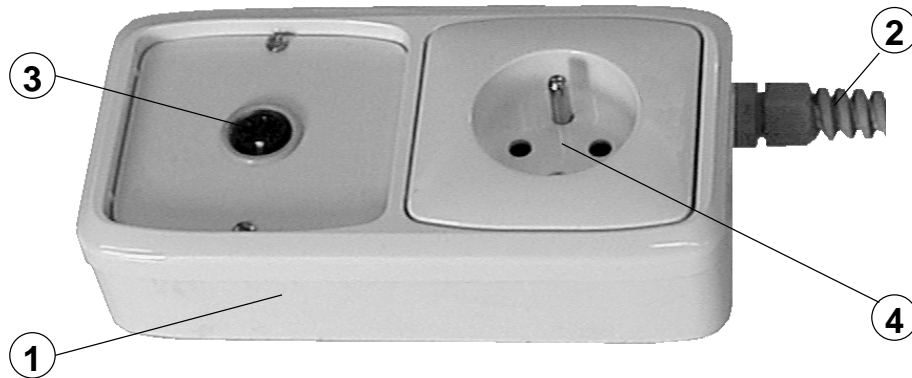
1.1 Apparatus use and specifications

The control system of the vacuum pump is an additional device to RVO 200A and is designed for controlling the operation of the motor vacuum pump. The control system of the vacuum pump, in connection with RVO 200A makes it possible to control the level of underpressure. This is very convenient for evaporation of heavily volatising substances.

1.2 Technical characteristics

Switching output	max. 650 VA
Power supply	230V, ±10%, 50Hz
Category of overvoltage in the installation .	II.
Weight without glass	0.5 kg
Dimensions (w x h x d)	160 x 80 x 50 mm
Fuse	T 3.15 A

1.3 Technical description



- 1. Box
- 2. Inlet cord
- 3. Socket for connection of the control signal
- 4. Switched socket

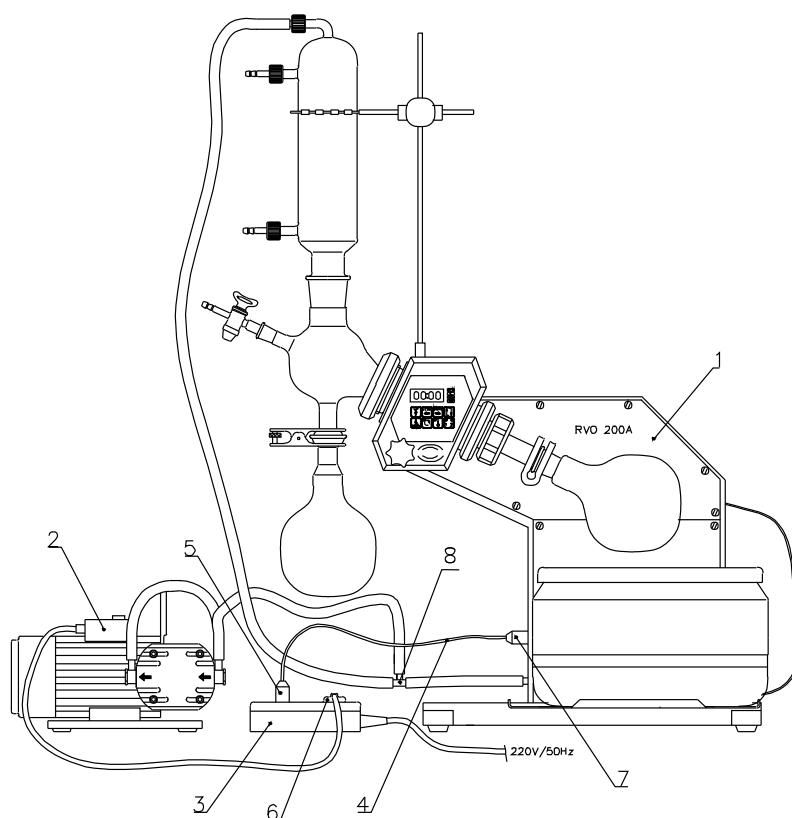
Fig. 1. Vacuum pump control

2. PUTTING INTO OPERATION

2.1 Unpacking

Take the control system out of the transportation package, check its surface and check the delivery for completeness by using the delivery note. If it is damaged or if an item is missing, contact the manufacturer or your supplier.

2.2 Assembly



- | | |
|--------------------------|-----------------------------------|
| 1. RVO | 5. Control socket |
| 2. Vacuum pump | 6. Switched socket |
| 3. Vacuum pump control | 7. Socket for vacuum pump control |
| 4. Interconnection cable | 8. "T" fitting |

Fig. 2. Interconnection

1. Make the assembly of the vacuum pump control system and interconnection between the control system and RVO 200A (fig. 2). Connect the interconnection cable (4) into the socket (7) RVO 200A and to the control socket of the control system (5). Connect the vacuum pump (7) to the switched socket (6) featuring a maximum power output of 650 VA.
2. Connect the mains cord.

Caution It is allowed to connect into the switched socket only the equipment complying with the requirements imposed on safety and electromagnetic compatibility according to ČSN and possibly ICE and CEE. It is allowed to connect into the interconnection cable socket (5 and 7) only the interconnection cable delivered by the manufacturer.

2.3 Control system

The control system of the vacuum pump is put into operation from the RVO 200A keyboard according to the RVO 200A instructions.

2.4 Maintenance

Do not allow that the surface be contaminated with corrosive substances. Clean the surface of the apparatus with a clean soft cloth. the cloth can be moistened but not wet. For cleaning purposes it is possible to use also ordinary washing means.

Caution: Before cleaning with a moistened piece of cloth, disconnect the system from the mains!

2.5 Operation conditions

The control system is designed for work under ordinary laboratory conditions at temperatures from 10 to 30°C and air humidity up to 80

3. CONCLUSION

3.1 Repairs

All warranty and after-warranty repairs shall be carried out by the manufacturer or by the organisation authorised by them. If the delivery note does not state otherwise, contact the manufacture for any repair requirements.

3.2 Warranty

The product is covered by the manufacturer's warranty lasting for one year from the day of the handing over to the customer of the product. The apparatus can only be used in the way specified in these instructions. The apparatus cannot be used in any other way than as provided for in these instructions, otherwise the operation safety could be interfered. If the conditions of these instructions are not met, the manufacturer will not be liable for damages which could arise.

3

4. TABLE OF CONTENTS

1. INTRODUCTION	4
1.1 Apparatus use and specifications	4
1.2 Technical characteristics	4
1.3 Technical description	4
2. PUTTING INTO OPERATION	5
2.1 Unpacking	5
2.2 Assembly	5
2.3 Control system	6
2.4 Maintenance	6
2.5 Operation conditions	6
3. CONCLUSION	7
3.1 Repairs	7
3.2 Warranty	7
4. TABLE OF CONTENTS	8
4.1 List of pictures and tables	8

4.1 List of pictures and tables

Fig. 1. Vacuum pump control	4
Fig. 2. Interconnection	5

