



## Universal reactor for laboratory "RV-12"

ADAPTABLE TO ALL THE STANDARDIZED GLASS ELEMENTS WITH A MOUTH OF 100 MM Ø.  
REACTOR CAPACITY: 12 LITRES.

NEW

### APPLICATIONS

Universal reactor suitable for all laboratory and pilot plant's operations.

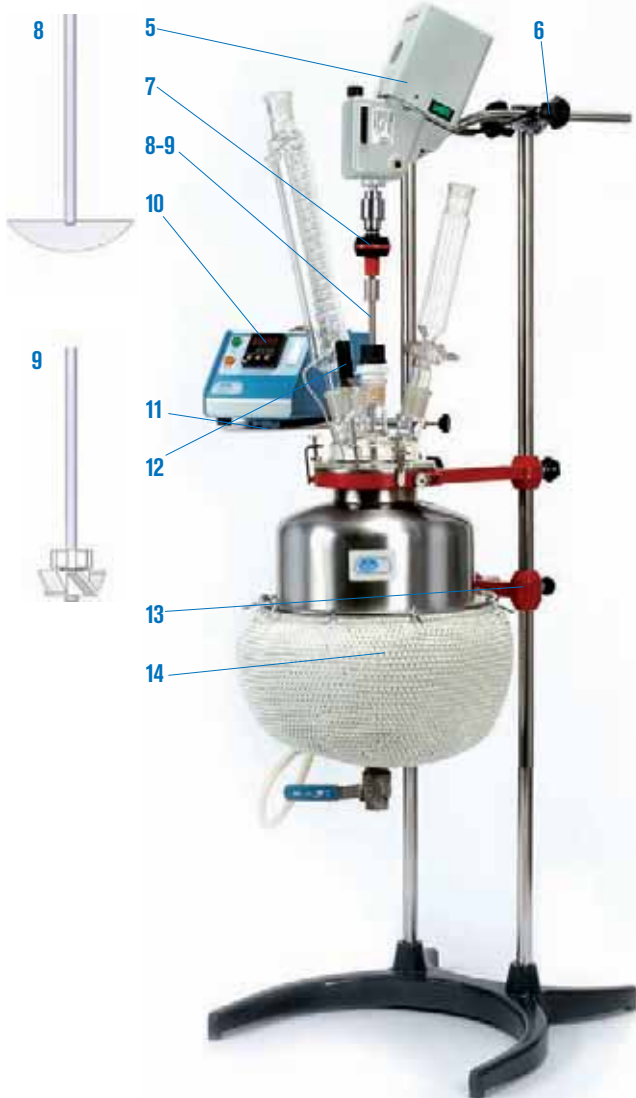
### FEATURES

Standard mouth for connection to DN100 glass reactor's covers.

Reactor in stainless steel AISI 316, with a capacity of 12 litres and with a drain tap.

### STANDARD EQUIPMENT

1. **Standard support.** Part No. **1001748**
2. **Clamp with support ring** for the reactor. Part No. **1001747**
3. **Reactor** in stainless steel AISI 316, capacity 12 litres with drain tap. External sizes: Height 38 cm. x 25 cm. Ø. Weight: 4,5 Kg Part No. **1001746**



### COMPLEMENTS

4. **Clasp** for fastening normalized flat gaskets for reactor "RV-12" or any glass reactor with normalized mouth of 100 mm. Ø. Part No. **1001758**
5. **Stirrer RZR-1** with adjustable speed. Part No. **5050111**
6. **Double bosshead MAXIM.** Part No. **7000408**
7. **Flexible shaft holder** for 8 mm. Ø stirring shaft. Part No. **5050903**
8. **Half-moon shape stirring shaft**, 8 mm. Ø stainless steel AISI 304 (length 90 x shovel width 12 cm). Part No. **1001754**
9. **Helix shape stirring shaft**, 8 mm. Ø stainless steel AISI 304 and PTFE shovel (length 90 x shovel width 4 cm). Part No. **1001757**
10. **Electronic controller ELECTEMP.** Part No. **3000887** with connector for inner temperature control, if the heating mantle is used.
11. **Support plate** with bosshead for Electemp regulator. Part No. **1001750**
12. **Pt100 probe** Part No. **1001749** 200 mm length x 4 mm. Ø, with connection cable to Electemp regulator.
13. **Ring holder** with double bosshead for heating mantle. Part No. **1001751**
14. **Heating mantle** with double heating elements for temperatures up to 400 °C. Power consumption 1400W. Part No. **3001752**

**Note: It is supplied without glass elements.**

### OPTIONAL

Aisi 316 stainless steel device, with standard double mouth and coil for liquid heating or refrigeration inside the reactor.

This device can be connected to the universal reactor part no. 1001746 or to glass reactors with a 10 l. capacity and with DN-100 standard mouth.

Coil measurement: A: 21 cm. B: 15 cm. C: 10 cm. Part No. **1001755**

**For reactors higher than 40 cm., it must be manufactured according to drawing.**

Note: Several tests have been made in the laboratory with the silicone oil "47V50" and with the **Ultraterm-200 thermostat.** Part No. **6000383** (See page 96), reaching temperatures up to 170 °C in 35' inside the reactor properly isolated with "durablanket120". With methanol fluid transmitter liquid and with **Frigiterm-30 thermostat.** Part No. **6001091** (see page 97), reaching temperatures up to -21 °C in 57' inside the reactor properly isolated with "durablanket120".

