

High pressure reactor RVD-1-50H



The standard equipment of the reactor RVD-1-50:

- Reactor vessel – 1 ea.
- Reactor lid – 1 ea.
- Mounting nut – 1 ea.
- PTFE sealing ring – 1 ea.
- Rupture disc with holder – 1 ea.
- Needle valve – 2 ea.
- Pressure measurement gauge (250 bar) – 1 ea.
- Wrench – 1 ea.

High-pressure reactor RVD 1-50 is designed for carrying out chemical reactions under high pressure conditions (up to 200 bar at 250 °C). Reaction mixture heating and stirring are carried out with a hot-plate magnetic stirrer. The heating temperature is regulated and controlled by magnetic stirrer controller with external temperature probe. For safe operation reactor is fitted with a rupture disc.

RVD-1-50	Specifications
Volume	50 ml
Operating pressure	200 bar
Max. temperature	250 °C
Vessel and lid material	SS Hastelloy C-276
Number of connections	1
Heating	Hotplate
Stirring	Magnetic hotplate stirrer
Cooling	Natural
Dimensions (h × w)	435 x 350 mm
Internal vessel diameter	23,5 mm
Vessel depth	117 mm
Weight	3,26 kg

Accessories and options:

- Passive heating jacket.
- Magnetic hotplate stirrer.
- Mounting stand.