

High pressure reactor RVD-2-500



The standard equipment of the reactor RVD-2-500:

- Reactor vessel – 1 ea.
- Reactor lid – 1 ea.
- PTFE lid lining – 1 ea.
- PTFE sealing – 1 ea.
- PTFE insert – 1 ea.
- Pressure measurement gauge (250 bar) – 1 ea.
- Rupture disc with holder – 1 ea.
- Needle valve – 2 ea.
- Deep tube for temperature probe – 1 ea.
- Clamp – 1 ea.
- Sealing O-ring – 1 ea.

High-pressure reactor RVD-2-500 is designed for studies of processes under high pressure and temperature conditions (up to 200 bar at 250 °C) and for synthesis in vitro as well. The reactor is equipped with all necessary fittings. To protect the reactor vessel and lid from the effects of corrosive environment reactor vessel insert and lid cover are made of PTFE. Reaction mixture heating and stirring are carried out with a hot-plate magnetic stirrer. For uniform and controlled heating reactor can be supplied with a passive aluminum thermal jacket with temperature probe tube. For safe operation reactor is fitted with a rupture disc.

RVD-2-500	Specifications
Volume	500 ml
Insert volume	360 ml
Operating pressure	200 bar
Max. temperature	250 °C
Vessel and lid material	SS AISI 316 L
Number of connections	5
Heating	Hotplate
Stirring	Magnetic hotplate stirrer
Cooling	Natural
Dimensions (h × w)	348 x 182 mm
Internal vessel diameter	64 mm
Vessel depth	160 mm
Internal insert diameter	55 mm
Insert depth	152 mm
Weight	13,85 kg

Accessories and options:

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