

«tinyclave steel» «miniclave steel» «miniclave drive» «picoclave» For safe small-scale pressure reactions



- Büchi quality
- economical
- safe and reliable
- modular and compact
- well designed
- corrosion resistant
- easy handling
- extensive accessories

Applications

- hydrogenation
- catalyst testing
- crystallization
- synthesis



Pressure reactors for small-scale experiments with agitator and heating jacket.
Heatable by circulating thermostat.



«picoclave»

B x T x H / W x Dx H 340 x 360 x 800 mm

- Housing with polycarbonate protection screen
- cyclone 075 agitator, manually adjustable 100 – 3000 rpm, with integrated magnetic coupling
- Glass vessels Type 1 and Type 1B, both with heating jacket
- Steel vessels Type 3 with heating jacket
- Cover plate with 6 openings and Swagelok fittings
- Setup with bursting disc, manometer, Pt100 sensor and 2 valves
- Fast action closure

¼



Type 1
Glass vessel with heating jacket
100/200/250/300 ml, 10 bar, 200° C



Type 1B
Glass vessel with heating jacket and bottom valve
100/200/250/300 ml, 6 bar, 200° C



Type 3
Metal vessel with heating jacket and bottom opening
100/200/300 ml, 60 bar, 250° C



«miniclave drive»

W x D x H 500 x 370 x 700 mm

- Stainless steel tripod with holding bracket
- cyclone 075 agitator, manually adjustable 100 – 3000 rpm, with integrated magnetic coupling
- Steel vessels Type 3 with heating jacket
- Cover plate with 6 openings and Swagelok fittings
- Setup with bursting disc, manometer, Pt100 sensor and 2 valves
- Fast action closure



Type 3
Metal vessel with heating jacket
and bottom opening
100/200/300 ml, 60 bar, 250° C

Pressure reactors for small-scale experiments without agitator and heating jacket. Both instruments can be heated by a bath thermostat and stirred by using a magnet bar mixer.

«tinyclave steel»

W x D x H 130 x 110 x 300 mm

- Glass vessels Type 1
- Vessel holder with protective mesh
- Screw closure
- Cover plate with 2 openings ¼" NPT
- Setup with Swagelok fittings, bursting manometer and valve



«miniclave steel»

W x D x H 180 x 120 x 320 mm

- Glass vessels Type 1
- Vessel holder with protective mesh
- Screw closure
- Cover plate with 4 openings ¼" NPT
- Setup with Swagelok fittings, bursting manometer, thermowell and valve



Type 1
Glass vessel
10/25 ml, 10 bar, 150° C



Type 1
Glass vessel
100/200/250/300 ml, 10 bar, 200° C

Design

- All Büchi reactors are manufactured according to the latest regulations and standards
- Manufactured and tested according to PED, AD2000
- Medium touched parts made of stainless steel 1.4435, 1.4571 or borosilicate glass 3.3

Options

- Materials like Hastelloy, Titanium, etc.
- Higher pressures and temperatures
- Special setup, sensors and instrumentation

Safety

Safety has the highest priority. Therefore all our glass pressure vessels are equipped with a safeguard to provide optimal operator safety.



Vessel holder with protective wire mesh



Housing with polycarbonate safety screen

Quick vessel change – no problem!

Standard on «picoclave» and on «miniclave drive»



1 Open quick action closure



2 Remove vessel



3 Insert new vessel



4 Close quick action closure



KEN KIMBLE (Reactor Vessels) Ltd
 85 Thomas Way, Lakesview International Business Park
 Hersden, Canterbury, Kent. CT3 4NH
 Tel: 01227 710274 Fax: 01227 258840
 Email: general@kenkimble.co.uk Web: www.kenkimble.com

