

LAB AND PILOT PRESSURE REACTORS



SCAN FOR MORE



CHEMICAL INDUSTRY



PHARMA INDUSTRY



COSMETICS



LABORATORIES



BIOTECHNOLOGY



ENVIRONMENTAL

**Siemens Simatic PLC**

with touch screen display and LCD control panel

Hand Crank

of the vessel lifting / lowering mechanism

Belt Drive**Magnetic Coupling**

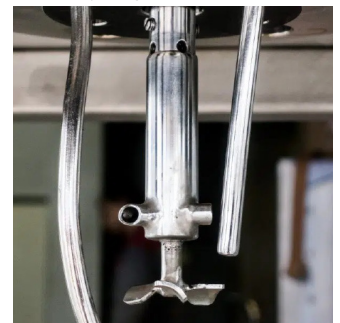
Büchi bmd 300

Swagelok®

Needle Valve

Cover Plate**AC Motor**
with variator**Anchor Stirrer**variable speed
0-1200 rpm**Pressure Vessel**- Hastelloy C22
- cooling jacket
- el. heater 1 kW**Stirrers:**anchor, blade, propeller, turbine,
impeller, spiral...

Hydrogenation stirrer

**PRESSURE REACTOR 0,5 L**

- max. pressure 182 bar(g)
- max. temperature 220 °C

KEY FEATURES

- **Vessel:**
 - » volumes: from 0,35 to 50 liters
 - » -1 to 200 bar / -20 °C to +250 (400) °C
 - » heating jacket or direct electric heating
 - » lateral sight glasses
 - » lifting/lowering the reactor
 - » drain valve
- **Stirrer drive:**
 - » direct electric motor or via belt transmission
 - » speed 0 – 2000 rpm stepless adjustable
 - » magnetic coupling with cooling
- **Cover plate:**
 - » 6 openings NPT 1/4
 - » Swagelok® fittings
 - » manometer, Pt-100,
 - » bursting disc

CONSTRUCTION

- **Custom made design**
- **Material of construction:**
 - » Stainless steel (AISI 316Ti, AISI 316, AISI 304)
 - » Nickel alloys (Hastelloy® C22, Hastelloy® C276, Hastelloy® C2000)
 - » Titanium
 - » Coating (Teflon™ PFA RubyRed, Halar E-CTFE,...)
- Designed in accordance with ATEX 2014/34/ EU for Zone 0 / Zone 1 / Zone 2
- Pressure vessel according to PED 2014/68/EU and EN 13445
- CE certificate and marking according to 2006/42/EU
- Optional electrochemical polishing of the inner surface



PRESSURE REACTOR 0,5 L, 200 BAR, C22



HYDROGENATION REACTOR 2L, 50 BAR



PRESSURE REACTOR 2L, 150 BAR, 150 °C



PRESSURE REACTOR 3 L, 25 BAR



PRESSURE REACTOR 5 L, 90 BAR



PRESSURE REACTOR 20 L, 90 BARG, 250 °C



HYDROGENATION REACTOR 50 L, 140 °C



STRIPPER 25 L, 5 BARG, 180 °C



PRESSURE REACTOR 50 L, 6 BARG