

**General:**

- JENNY CP21 panel is the smallest and most compact control panel in the Belach range of fermentation equipment.
- It is a computer-controlled unit that can handle reactors in the range 0.2-2 L and can be operating in groups off up to 6 units.

**Technical data:**
**Temperature**

Measuring range: 0-100 °C

Regulation range: 15-70°C

Temperature sensor: pT 100

Regulation: Proportional-time-regulator for heat and cool;

 $DB \pm 0.1$   $PB \pm 0.3^\circ C$ 

Heating element: 75W heating

Cooling element: Tap water max 12°C

**Stirrer**

Speed range: 150-1500rpm

Regulation: Transistor regulator

Motor: DC 30W / 0.2Nm

Magnet coupled stirrer

**Topstirrer (option)**

Speed range: 0-1500rpm

Motor: AC Servomotor 136W

**Level**

 Measuring range: 1K- $\infty\Omega$ 

 Probe: Resistivity type  $\varnothing 6\text{mm}$ 

Peristaltic pump for addition

Regulation: Adjustable-pause-time

**Po2-dissolved oxygen**

Measuring range: 0-200%

Electrode: Polarographic type

 pO<sub>2</sub> regulation by stirrer/pump/gas control

**pH**

Measuring range: 0-14pH

 Electrode: Gel electrode  $\varnothing 12\text{-Pg}13.5$ 

Peristaltic pump control for acid and base

Regulation: Two point proportional time regulation for acid/base

**Gas**

Mass flow meter with control

Air range: 0.1-2Nl/min

Pressure range: 0.5 Bar supply clean air

Outlet gas condenser

**Peristaltic pumps**

Built in peristaltic pumps acid-base-level

Speed adjustable range 10rpm

Hose type: 1.6 mm wall thickness

**Dim**

Dim: 330/3600/430 (W/H/D)

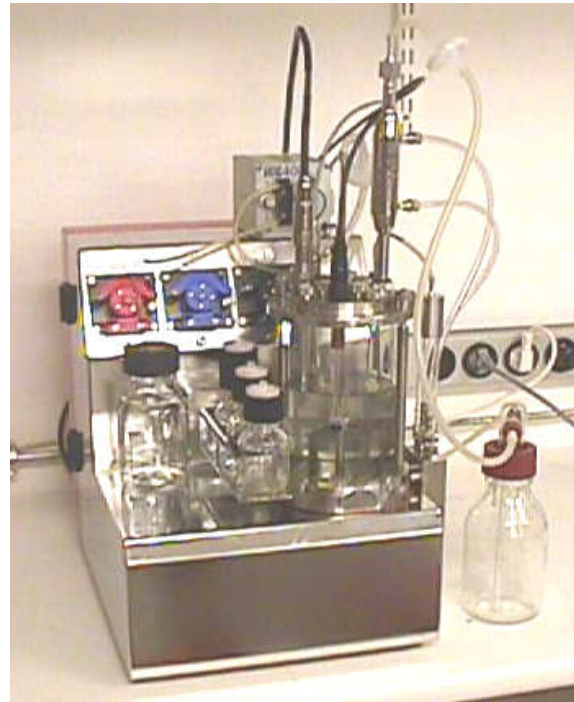
 Power supply: 230V AC  $\pm 10\text{V}$ 

Fuse: 6.3 A

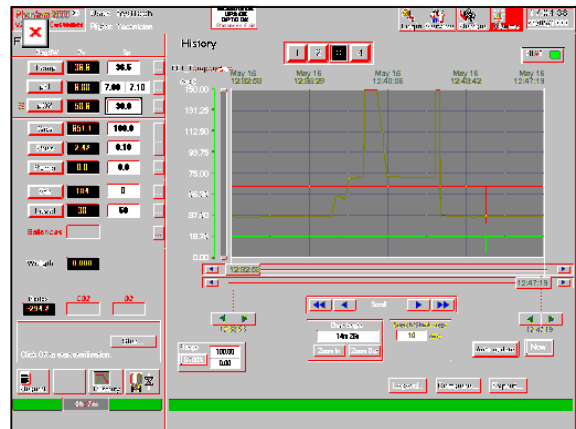
Tap water connection max 2 bar/R1/8"-6/4mm

Air: Max 1.5 bar

Weight: 16 kg



JENNY panel CP20 with BRJ-1 and P6 feed pump



JENNY computer control system

**Options:**

P6-Speed controlled feed pump

 CP460-O<sub>2</sub>/CO<sub>2</sub> gas reading

 CP470-Air/O<sub>2</sub>/CO<sub>2</sub>/N<sub>2</sub> gasmix station

top&amp;sparger

**Bioreactors that fit to CP20:**

BRJ-1.0 5759-1

BRJ-2.0 5740-1

BRJ-C-0.5 5792-1

BR2-B 5197-1

BR2-C 6110-1

**System JENNY computer control:**
**Order no: JENNY-CP21-BRx**