



## ■ 50 L PHARMA JACKETED GLASS REACTORS DN 450

### STEROGLASS

5936

Complete jacketed glass reactors for pharmaceutical use on our unique free standing movable frame. Industrial design, high performing industrial stirring system and connections.

#### Main features:

- Gmp compliant;
- Total safety: no residues or stagnant liquids;
- For pharmaceutical use, FDA compliant (PTFE and borosilicate glass in contact with products);
- Multi-purpose;
- Complete glass piping;
- Compact design;
- It can be placed under walk-in hoods
- Atex certification available on request.

#### WORKING CONDITIONS:

Design Temperature : -40 °C / 180 °C

T D : 80 °C

Design Pressure : -1mbar / 0,49 bar

Max vacuum: 5mbar

#### REACTION GROUP

- DN450 Jacketed vessel;
- 50L nominal capacity;
- DN400 Glass lid 7 necks:
  - a) DN50 Central for stirring;
  - b) DN80 with closure for solid loading;
  - c) DN25 for liquid inlet;
  - d) DN50 for vapour line;
  - e) DN40 closed and free (on request);
  - f) DN40 closed and free (on request);
  - g) DN40 closed and free (on request);
- AISI304 Stirring shaft, PTFE-coated;
- PTFE Stirring anchor blade;
- PTFE/glass mechanical seal ATSA50/26;
- 25mm discharge bottom valve, Gmp compliant.

#### POWER SUPPLY:

ELECTRICAL MOTOR 0,37Kw included

COMPRESSED AIR MOTOR air worn out 260l/min at 6 bar

#### ULTRA GMP VALVE

- Total safety
- Gmp/Pharma compliant;
- The valve completely drains leaving any stagnating liquid;
- Compact design;
- Constant valve closure pressure during temperature changes;
- Compensation of thermal expansion;
- Design helps preventing shutter head over-tightening.

#### Pt100 TEMPERATURE PROBE

- Product temperature can also be controlled with very low liquid levels;
- The probe is placed inside drain valve freeing up a nozzle;
- Quicker temperature reading when compared to sensor placed on lid;
- No risk of glass sensor breakages due to accidental impacts with solid suspensions;
- Pneumatic valve on request.

#### DIMENSIONS:

Reactor dimensions: mm1000x800x2400H

Box dimensions (fumigated wooden box) mm1500x1400x2000H

WEIGHT: APPROX 280 Kg

#### CERTIFICATIONS:

- Gmp certification for bottom valve;
- Machinery Directive



NOTE

The equipment can work in dangerous areas or with inflammable solutions only in ATEX version (available in request)

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Codice	Codice	Description
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SQHK083252	Steroglass Fornitore	COMPACT PHARMA REACTOR 50L DN450