

CORRIGENDUM

PDEU/ORSP/HPR/21-22/WT/152

1. Main reactor

of 1 liter capacity with water jacket for heating & cooling Max.200 bar pressure rating M.O.C SS316 (Wetted Parts)

Temperature range: - 20 deg C to 40 deg C

Reactor Internal control variation: +/- 2 deg C

Automatic control

Thermodynamic cell with top drive magnetic Stirrer

0.25 liters capacity

Max. 200 bar pressure rating M.O.C SS316 (Wetted Parts)\

Interchangeable with main reactor

Gas collector

1 liters capacity

Max. 200 bar pressure rating

M.O.C SS316 (Wetted Parts)

Removal Provision arrangement for sampling purpose

Isolation valve or Bypass arrangement

M.O.C SS316 (Wetted Parts)

Weight Balance

Max 12 kg capacity

Remote display, SS304 platform, IND indicator.

Readability = 0.01 to 1 gram, Accuracy = 0.1 gram.

Make: Percia Molen / Mettler Toledo/ Sortorius

Accumulator

500ml Volume

Max. 200 bar pressure rating

M.O.C SS316 (Wetted Parts)

Back Pressure Regulator

Rating 200bar (Spring operated OR Gas operated)

Features: Controlled Pressure Range: 10-200 Bar

Body Material: 316

Make: Tescom

Data Acquisition system

Computable with PC

Temperature sensors

Temperature measurement of main Reactor Cell & Gas Collector cell and thermodynamic cell.

Make: Honeywell/Eureka

Pressure Transmitter

Pressure measurement of main Reactor Cell & Gas Collector cell and thermodynamic cell.
Local display
Output 4-20 mA
Make: Wika/Ashcroft

Filter

size: 0.16mm
Size: 0.16 mm
Make: Swagelok /Autoclave

Valve, Fittings & Tubing

Robust high pressure Ball valves as per system requirement
Make: Swagelok/Autoclave