

REACTEX



A NEW RANGE OF
INTERCHANGEABLE
GLASS REACTORS
FROM 250ML TO 5 LITRE CAPACITY

The REACTEX Range

Using UK and German manufactured components, the REACTEX range offers the following features and benefits:

- Plain, jacketed and vacuum jacketed vessels, graduated as standard
- Easy drain down system in Stainless-steel and PTFE with bleed valve and insulated hoses
- Quick vessel changeover
- Spring loaded PTFE no dead space valve with FFKM o-ring
- Standard flange size DN100
- Temperature control from -90oC to +250oC
- Mechanical seal B29 to 10 mm shaft – 1mbar vacuum with Rodaviss fitting
- PTFE lid with self-locating securing ring

Quick Changeover Stand

The REACTEX quick changeover stand is manufactured in the UK using a black anodised frame and 34 mm diameter polished stainless steel supports.

A black PVC bund is supplied to contain any spillage. Mounted on the stand is the easy drain down system - 2 insulated hoses are included.



Vessels

Plain, jacketed and vacuum jacketed vessels are available from 250ml to 5 litre capacity. Vessels include a ground DN100 flange with a reduced height, graduations and a 10mm spring loaded no dead space valve with FFKM o-ring.

Vessels are supplied with PEEK and stainless-steel jacket connections suitable for M16 insulated hoses for connection to a suitable cooling/heating circulator.

As standard the outlet ends with a DN 15 flange. Other options are available, for example - straight tube, GL 18 thread.



Lids and Lid Accessories

A PTFE DN100 lid with self locating securing ring is supplied with 5 x ½" NPT threads for 4 x PTFE Rodaviss B29 sockets, including the centre joint, and 1 x 8 mm compression fitting for a PT100 probe.

The joints are Rodaviss type, ensuring secure fixing of accessories such as condensers and feed funnels.

A DIEHM mechanical seal provides vacuum capability to 1mbar. The mechanical seal is suitable for use with 10 mm shafts of any material with product contacting parts of borosilicate glass 3.3, FFKM and PTFE.

A PFA coated chemically resistant DN100 quick release clamp secures the lid.



Overhead Stirrers

REACTEX systems are supplied without an overhead stirrer as standard. Any available overhead stirrer can be used, and Labtex can quote for models from HEIDOLPH, IKA, CAT and CAFRAMO.



Impellers

A chemically inert fully moulded PTFE 4 blade propeller with stainless-steel shaft is included in every REACTEX system. Other designs are available, as well as adjustable rotors for mounting anywhere on the shaft.

Huber Temperature Control

Unparalleled quality and performance is guaranteed when using Huber products. Huber Ministats offer extremely compact temperature control solutions from -45°C to $+200^{\circ}\text{C}$ and for more demanding applications the Unistat range offers control from -90°C to $+250^{\circ}\text{C}$.



Automation



With the Hitec Zang LabBox® You Can Automate REACTEX Easily

The LabBox® system is the compact automation system, specially designed for workstations in laboratories or pilot plants.

Centralize the data acquisition and control of your laboratory equipment with LabBox®, for example - circulators, overhead stirrers, pumps, pH electrodes.

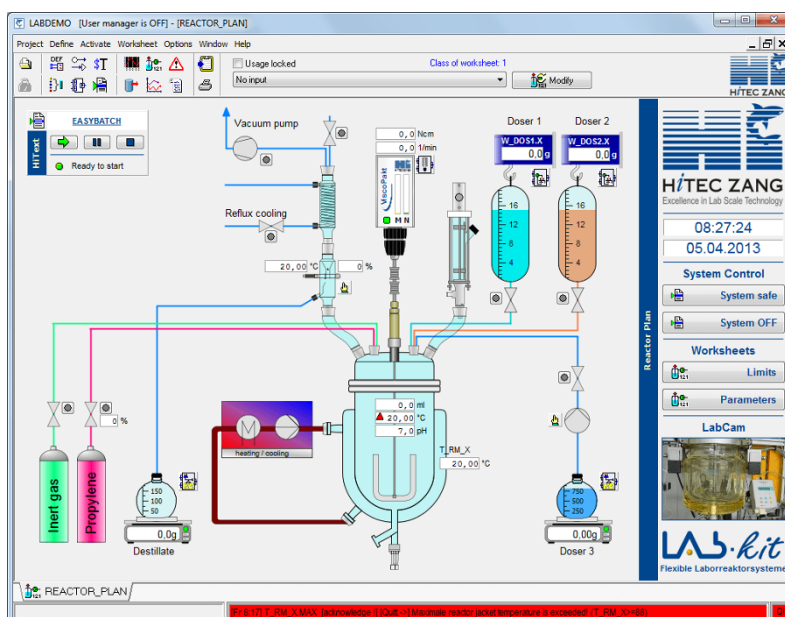
With the associated software LabVision® you can measure, visualise and control your experiment more easily than ever before!

LabVision® Process Visualisation and Control

LabVision® is the trend-setting, modular visualisation and automation software system for automation devices from HiTec Zang and other manufacturers. A process is monitored, controlled and regulated using LabVision® and all procedures are recorded and archived.

The processing system is shown on the display as a dynamic flow diagram for monitoring and operating. The online evaluation provides important information on your process at run time. The process data chain ranges from the definition of the experiment up to the laboratory information management system.

LabVision® is, in the opinion of many users, currently the most powerful and most prestigious research process control system (RPCS) software. It is particularly suited for the visualisation and automation of flow and batch processes in laboratory, pilot plant, mini-plant and production areas in the chemical, pharmaceutical, biotechnology and foodstuffs technology industries.



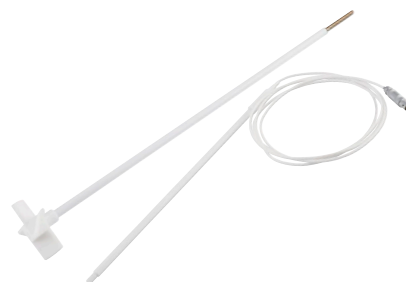
Components and Accessories



Condensers and feed funnels
with 'Safe-Lab' nuts



Insulated hoses -60°C
to +260°C



Impeller and PT100
probe

REACTEX

**A NEW RANGE OF
INTERCHANGEABLE
GLASS REACTORS**
FROM 250ML TO 5 LITRE CAPACITY

Exclusive in the UK from

LABTEX™



Specifications

Order code	Standard Specification
REACTEX/0.25LTR	250 ml REACTEX system including graduated 250ml jacketed vessel with spring loaded PTFE valve & FFKM o-ring, quick changeover stand with drain down system, PTFE DN100 lid with 4 x Rodaviss B29 sockets & 1 x 8mm compression fitting for PT100, FEP coated DN100 o-ring, PFA coated quick release clamp, M16x1 insulated hoses (vessel to drain down), mechanical seal to 1mbar, PTFE PT100, 4 blade PTFE propeller impeller, PEEK & stainless steel jacket connections & polypropylene bund tray
REACTEX/0.50LTR	500 ml REACTEX system including graduated 500 ml jacketed vessel with spring loaded PTFE valve & FFKM o-ring, quick changeover stand with drain down system, PTFE DN100 lid with 4 x Rodaviss B29 sockets & 1 x 8mm compression fitting for PT100, FEP coated DN100 o-ring, PFA coated quick release clamp, M16x1 insulated hoses (vessel to drain down), mechanical seal to 1mbar, PTFE PT100, 4 blade PTFE propeller impeller, PEEK & stainless steel jacket connections & polypropylene bund tray
REACTEX/1LTR	1 litre REACTEX system including graduated 1 litre jacketed vessel with spring loaded PTFE valve & FFKM o-ring, quick changeover stand with drain down system, PTFE DN100 lid with 4 x Rodaviss B29 sockets & 1 x 8mm compression fitting for PT100, FEP coated DN100 o-ring, PFA coated quick release clamp, M16x1 insulated hoses (vessel to drain down), mechanical seal to 1mbar, PTFE PT100, 4 blade PTFE propeller impeller, PEEK & stainless steel jacket connections & polypropylene bund tray
REACTEX/2LTR	2 litre REACTEX system including graduated 2 litre jacketed vessel with spring loaded PTFE valve & FFKM o-ring, quick changeover stand with drain down system, PTFE DN100 lid with 4 x Rodaviss B29 sockets & 1 x 8mm compression fitting for PT100, FEP coated DN100 o-ring, PFA coated quick release clamp, M16x1 insulated hoses (vessel to drain down), mechanical seal to 1mbar, PTFE PT100, 4 blade PTFE propeller impeller, PEEK & stainless steel jacket connections & polypropylene bund tray
REACTEX/3LTR	3 litre REACTEX system including graduated 3 litre jacketed vessel with spring loaded PTFE valve & FFKM o-ring, quick changeover stand with drain down system, PTFE DN100 lid with 4 x Rodaviss B29 sockets & 1 x 8mm compression fitting for PT100, FEP coated DN100 o-ring, PFA coated quick release clamp, M16x1 insulated hoses (vessel to drain down), mechanical seal to 1mbar, PTFE PT100, 4 blade PTFE propeller impeller, PEEK & stainless steel jacket connections & polypropylene bund tray
REACTEX/5LTR	5 litre REACTEX system including graduated 5 litre jacketed vessel with spring loaded PTFE valve & FFKM o-ring, quick changeover stand with drain down system, PTFE DN100 lid with 4 x Rodaviss B29 sockets & 1 x 8mm compression fitting for PT100, FEP coated DN100 o-ring, PFA coated quick release clamp, M16x1 insulated hoses (vessel to drain down), mechanical seal to 1mbar, PTFE PT100, 4 blade PTFE propeller impeller, PEEK & stainless steel jacket connections & polypropylene bund tray

Specifications may change without prior notice. Variations on the above are possible, please ask.

REACTEX

MANUFACTURING PARTNERS



High Precision
Thermoregulation



Overhead and
Magnetic Stirrers



Magnetic Stirrers,
Overhead Stirrers,
Dispersers and Rotary
Evaporators



Canadian
Overhead Stirrers



Automation for
the Laboratory and
Pilot Plant



Glass Reaction
and Distillation
Systems



PTFE Laboratory
Equipment



Fluoroplastic (eg
PTFE, PFA) Labware



Vacuum Pumps
and Networks



Lab Automation
Out of the Box

Please call now for more information

LABTEX™

New Mills, Brougham Road,
Marsden, Huddersfield, West Yorkshire
HD7 6AZ, United Kingdom

Tel: 01484 600200
Email: info@labtex.co.uk

www.labtex.co.uk

