



11 Chemtron Reaction Solutions

Bench Top Glass Reactors

Chemtron reactor kits are selected by volume and comprise the basic components required for startup. For a complete application solution Chemtron is proud to offer a full range of glassware, accessories, and temperature control equipment to compliment our reactor kits.

Reactor kits include the following components:

- > Support Stand
- > Vessel with JRS Valve™
- > Shaft and agitator(s)
- > Bearing
- > Lid with clamp and o-ring
- > Overhead stirrer with shaft couplings
- > Spiral Condenser
- > Jacket adapters
- > RTD probe adapter

| Order No. | Capacity (mL) |
|-------------|---------------|
| JRS.1501.01 | 500 |
| JRS.1501.02 | 1000 |
| JRS.1501.03 | 2000 |
| JRS.1501.04 | 3000 |
| JRS.1501.05 | 4000 |
| JRS.1501.06 | 5000 |

* Not all items shown in photo are included with kit

* Can offer total reaction solution based on URS from our customers



Large Scale Process Reactors

- > Wiggins offers a wide range of pilot plants for research and production, the system are modular, flexible, user-friendly and can be integrated anytime with various accessories.
- > Easily configurable range of pilot plant from 10L to 100L of total volume.
- > Wiggins unique open air, auto-centered frame made of AISI 316 stainless steel allow the expansion of the basic configuration.

Reactor kits include the following components:

- > Support Stand
- > Vessel with KF-50 drain valve
- > Shaft and agitator(s)
- > Bearing
- > Lid with clamp and o-ring
- > Overhead stirrer with shaft couplings
- > Spiral Condenser
- > Jacket adapters
- > RTD probe adapter

| Order No. | Capacity (L) |
|-------------|--------------|
| JRS.1503.01 | 15 |
| JRS.1503.02 | 30 |
| JRS.1503.03 | 50 |
| JRS.1503.04 | 100 |

* Not all items shown in photo are included with kit

* Wiggins can offer total solution based on the URS from our customers.



Stainless Steel Reactors

Research, development, production and the laboratory always need reaction vessels from 0.1 to 100 litres capacity, capable of working under vacuum or pressures up to 150 Bar, at temperatures ranging from -80 °C to 400 °C .

The single name Chemtron brings together design and manufacture know-how, reasonable prices, and long-term reliability.

Its skills and years of experience in making reaction vessels and their accessories can bring your ideas to reality.

We specialise in the production of vessels of 0.5 to 128 L capacity working at

- > Vacuum - $10E^{-3}$ mBar
- > Pressure - 100 Bar
- > Temperatures -80 °C to 400 °C

The major components of a system comprise:

- > Reaction vessels and accessories
Stirrerheads, stirrers, connections and drains
- > Auxiliary equipment
Stirrer drive motors, lifting jacks, feeders, and condensers
- > Heating and cooling
Recirculating thermostats, heat exchangers, valves and controllers.

All these and a standard range of reaction vessels from 1 to 50 litres are described in this catalogue.

The company is licensed by TÜV Rheinland to manufacture pressure vessels in various materials.

We are experienced in the manufacture of vessels complying with GMP (Good Manufacturing Practice) for use in the food and pharmaceutical industries.



Skill and
Longstanding
Experience



Custom Design
and
Manufacture



Assured
Quality
and
Professional
Advice

Bench Top Reactor

0.5L to 5L



Pilot Plants

10L to 50L

