



High-Pressure Reactors



cs@irisanalytical.com



+1 706 760 4500



www.irisanalytical.com

Large Scale Pressure Reactor IPR-4000 Series allows excellent control of high-pressure reactions up to 100 bar. The system is ideal for universal experiment reactions, where elevated pressures are required.

Automating your pressure reactions could not be easier. We offer Overhead stirrer with magnetic clutch and stirrer drives of different performance classes. Constructed with SUS 316L stainless steel and sophisticated with or with bottom outlet and the reactor capacities ranging from 300 ml and 2,000 ml.

Options include the internal heating/cooling coil and thermocouple. We provide safety by setting 100 bar maximum pressure burst disc and maximum temperature cut-outs to ensure that your reaction does not fall outside suitable factors.

- Suitable for valuable reagents
- O-seal ring made of PTFE insert or completely made of SUS 316LTI or Hastelloy
- Heating and stirring by laboratory hot-plate with integrated magnetic stirrer
- Provide high-pressure range up to 100 bar along with high temperature 250 to 300 °C
- The reactor accommodate different capacities ranging from 300 ml, 500 ml, 1000 ml and 2000 ml
- Build-I special design of magnetic clutch to prevent leakage of fluid with low maintenance
- Provide maximum yield with zero impurities
- Design with excellent corrosion and stress resistance, providing high stability
- The reactor designs with strong and robust construction ensuring high consistency and stability
- Note: When using PTFE inserts the maximum allowable temperature is 230°C and The number of free ports can be enlarged by the use of T-connections

Model	IPR-1300	IPR-1500	IPR-1700	IPR-1900
Material	SUS 316L			
Reactor Volume	300 ml	500 ml	1,000 ml	2,000 ml
Temperature Range	300?	250?	300?	250?
Pressure Range	100 bar			
No. of Tube Connection	8 mm			
Ports (total)	7			
Ports (free)	3			
Reactor Dimension	68x108 mm	68x175 mm	90x193 mm	90x352 mm
Reactor Weight	4 kg	6 kg	11 kg	16 kg
Catalogue No.	2302005-04	2302010-04	2302015-04	2302020-04

