



High-Pressure Reactors



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Small Scale Pressure Reactor IPR-2000 Series provides a wide range of high-pressure reactor configurations; options thermocouple, internal heating, and cooling coil. We provide the best range of your specification requirements with custom high-pressure reaction vessels. The reactors are supplied in stainless steel 316 as standard and Hastelloy with PTFE lining of all sides. The usable volume of the reactor can be varied between 310 ml and 600 ml using different reactor vessels. Corrosion-resistant materials PTFE lining on all sides.

- 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 200 bar along with high temperature 250 to 300 °C
- The reactor accommodate different capacities ranging from 390 ml and 630 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-2300 SUS316Ti or HC	IPR-2300 SUS316Ti + PTFE	IPR-2500 SUS316Ti or HC	IPR-2500 SUS316Ti + PTFE
Material	SUS316Ti or HC	SUS316Ti + PTFE	SUS316Ti or HC	SUS316Ti + PTFE
Reactor Volume	390 ml		630 ml	
Temperature Range	300?	250?	300?	250?
Pressure Range	200 bar			
No. of Tube Connection	8 mm			
Ports (total)	6			
Ports (free)	2			
Stirring	Overhead stirrer with magnetic clutch		Magnetic stirrer	
Reactor Dimension	68x108 mm		68x175 mm	
Reactor Weight	4 kg		6 kg	
TFMTM-PTFE Insert Volume	-	310 ml	-	500 ml
TFMTM-PTFE Insert Dimension	-	62.5x98 mm	-	62.5x165 mm
Catalogue No.	2301005-04	2301010-04	2301015-04	2301020-04

