



Pressure Reaction Vessels

Accurately and safely observe your reactions!

- Inert borosilicate glass construction with PVC coating for safety
- Millimeter reference scale to mark changes in your sample volume

Lab-Crest pressure reaction vessels allow for full observation of chemical reactions in a safe vessel. These vessels are made from heavy wall, inert borosilicate glass with a PVC safety coating. Each vessel is graduated with a millimeter reference scale.

These pressure reaction vessels are ideal for viewing reactions of mixed compounds and viewing temperature and pressure changes of liquids or gasses. Typical applications include hydrolysis, hydrogenation, polymerization, catalysis, and isomerization. Other uses include corrosion studies, solubility studies, and spray and pressure characteristics of compounds.

All reaction vessels are pressure tested to 2x their pressure rating. The vessels can be purchased in three standard sizes with various options.

Caution: Safety precautions should be taken with glass under pressure. Maximum safe pressure depends on overall vessel condition. Additional shielding is strongly recommended.

Catalog number	Capacity (oz)	Internal liquid volume	Maximum operating pressure	Price
Reaction vessel				
TW-63400-00	3	88 mL	225 psi	\$244.00
TW-63400-02	6	170 mL	125 psi	260.00
TW-63400-04	12	355 mL	75 psi	232.00
Reaction vessel with coupling				
TW-63400-12	3	88 mL	225 psi	353.00
TW-63400-14	6	170 mL	125 psi	382.00
TW-63400-16	12	355 mL	75 psi	419.00
Reaction vessel with clear plastic shield and coupling				
TW-63400-24	3	88 mL	225 psi	572.00
TW-63400-26	6	170 mL	125 psi	1050.00
TW-63400-28	12	355 mL	75 psi	1080.00

Multiport Stirring Assembly

The multiport stirring assembly includes 12-oz reaction vessel, rugged stainless steel head, and stirrer assembly for gathering chemical reaction data. Unit features (5) 1/8" ports.

Assembly provides a controlled environment for constant stirring and handles highly viscous materials. It enables the use of pressure control gauges and temperature probes, and allows easy injection or extraction of samples.



63400-30

- TW-63400-30 Multiport stirring assembly with 12-oz reaction vessel \$2250.00
- TW-63400-90 Pressure gauge for use with 63400-30 \$303.00
- TW-63400-92 Reducing adapter for use with 63400-30 \$67.00

Find MORE!

Evaporators and Concentrators on pages 439-445.



63400-02

Reaction vessel 63400-26 with needle valve 63400-88

Accessories

Clear Acrylic Shields provide added safety without obstructing view of the reaction. These shields have holes in the bottom for increased air circulation or liquid circulation in immersion baths.

- TW-63400-52 Clear acrylic shield for 3-oz reaction vessel. \$359.00
- TW-63400-54 Clear acrylic shield for 6-oz reaction vessel. \$723.00
- TW-63400-56 Clear acrylic shield for 12-oz reaction vessel. \$723.00

Stainless Steel (SS) Protective Wire Mesh provides greater safety protection than the clear acrylic shield but limits view.

- TW-63400-58 Protective wire mesh for 3-oz reaction vessel. \$58.50
- TW-63400-62 Protective wire mesh for 12-oz reaction vessel. \$132.00

Coupling Components. A complete coupling consists of a female coupling (select aluminum or SS), male coupling (63400-66), insert, and O-ring. Use PFA insert and O-ring for high-temperature applications. For corrosive applications, use Viton® O-ring.

- TW-63400-64 Female coupling, aluminum \$94.00
- TW-63400-72 Female coupling, SS \$147.00
- TW-63400-66 Male coupling, SS \$170.00
- TW-63400-76 Male coupling, SS for use with 3-oz reaction vessel 63400-24 only. \$120.00
- TW-63400-68 Polyethylene insert \$30.00
- TW-63400-78 PFA insert. \$54.00
- TW-63400-70 Neoprene® O-ring. \$6.90
- TW-63400-74 PFA O-ring \$9.40
- TW-63400-86 Viton O-ring \$11.75

Needle Valve provides flow control of gases at inlet pressures up to 2000 psi. Useful for water, compressed air and vacuum conditions.

- TW-63400-88 Needle valve, 1/8" NPT(M), SS inlet and outlet \$443.00
- TW-63400-80 Needle valve adapter, 1/8" NPT. Includes rubber washer and neoprene O-ring \$145.00
- TW-63400-82 Replacement rubber washer \$9.40
- TW-63400-84 Replacement neoprene O-ring. \$5.00