

Technical Information for Chemglass Large Scale Process Reactors

Reactor Capacity, Type and Part No.	Support Frame Part Number	Support Frame Dimensions W x D x H (in)	Approx. Height with Electric Motor (in)	Approx. Height with CG-2025-20 Air Motor (in)	Clearance Below Side Arm On Bottom Drain Valve (in)	MAX Jacket Pressure (PSI)	MAX Vessel Pressure (PSI)	MAX Vacuum*
10L Jacketed (CG-1930-31)	CG-1965-X-150	19 x 19 x 63.25	70.1	67	15.3	12	10	2 Torr
15L Jacketed (CG-1930-33)	CG-1965-X-150	19 x 19 x 63.25	70.1	67	15.3	12	10	2 Torr
20L Jacketed (CG-1930-34)	CG-1965-X-150	19 x 19 x 63.25	70.1	67	15.3	12	10	2 Torr
10L Unjacketed (CG-1924-31)	CG-1965-X-150	19 x 19 x 63.25	70.1	67	15.3	---	10	2 Torr
15L Unjacketed (CG-1924-33)	CG-1965-X-150	19 x 19 x 63.25	70.1	67	15.3	---	10	2 Torr
20L Unjacketed (CG-1924-34)	CG-1965-X-150	19 x 19 x 63.25	70.1	67	15.3	---	10	2 Torr
30L Jacketed (CG-1968-61)	CG-1968-X-12	28.25 x 20 x 75.25	82.6	79	18.6	12	10	2 Torr
50L Jacketed Short (CG-1968-95)	CG-1968-X-12	28.25 x 20 x 75.25	82.6	79	15.2	12	10	2 Torr
50L Jacketed Tall (CG-1968-81)	CG-1968-X-14	28.25 x 20 x 83.5	90.8	87.3	16.2	12	10	2 Torr
75L Jacketed (CG-1968-97)	CG-1968-X-24M	28.5 x 28.5 x 83.5	90.8	87.3	18.4	12	10	2 Torr
100L Jacketed (CG-1968-99)	CG-1968-X-24M	28.5 x 28.5 x 83.5	90.8	87.3	10.2	12	10	2 Torr
100L Jacketed (CG-1968-99)	CG-1968-X-26M	28.5 x 28.5 x 95.25	102.6	99	21.9	12	10	2 Torr
30L Unjacketed (CG-1972-61)	CG-1968-X-12**	28.25 x 20 x 75.25	82.6	79	20.9	---	10	2 Torr
50L Unjacketed Tall (CG-1972-81)	CG-1968-X-14**	28.25 x 20 x 83.5	90.8	87.3	18.1	---	10	2 Torr

ALL DIMENSIONS LISTED ABOVE ARE APPROXIMATE.

* Maximum ΔT for Jacketed Reactors is 60°C. Exceeding this can lead to vessel failure.

** Requires CG-1968-X-56 Lower Mantle Base (sold Separately)

Please Note: Reaction Vessels with Morton Indents Are Not Suitable for Vacuum and **DO NOT** Have a Pressure Rating.

Chemglass cannot assume responsibility for use of the above information for specific applications.

Chemglass does not guarantee the vessels from breaking under pressure/vacuum due to the nature of the material and conditions beyond our control.

Chemglass strongly recommends the use of safety shields and/or other safety equipment.