

Technical Information for Chemglass Large Scale Process Reactors

Reactor Capacity, Type and Part Number	Flange Size (mm)	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† (Torr)
10L Unjacketed (CG-1924-31)	200	CG-1965-X-150	19 x 19 x 66	70.1	67	15.3	---	10	2
15L Unjacketed (CG-1924-33)	200	CG-1965-X-150	19 x 19 x 66	70.1	67	15.3	---	10	2
20L Unjacketed (CG-1924-34)	200	CG-1965-X-150	19 x 19 x 66	70.1	67	15.3	---	10	2
30L Unjacketed (CG-1972-61)	300	CG-1968-X-12**	28.25 x 20 x 75.25	82.6	79	20.9	---	10	2
50L Unjacketed Tall (CG-1972-81)	300	CG-1968-X-14**	28.25 x 20 x 83.5	90.8	87.3	18.1	---	10	2
10L Jacketed (CG-1930-31)	200	CG-1965-X-150	19 x 19 x 66	70.1	67	15.3	12	10	2
15L Jacketed (CG-1930-33)	200	CG-1965-X-150	19 x 19 x 66	70.1	67	15.3	12	10	2
20L Jacketed (CG-1930-34)	200	CG-1965-X-150	19 x 19 x 66	70.1	67	15.3	12	10	2
30L Jacketed (CG-1968-61)	300	CG-1968-X-12	28.25 x 20 x 75.25	82.6	79	18.6	12	10	2
50L Jacketed Short (CG-1968-95)	300	CG-1968-X-12	28.25 x 20 x 75.25	82.6	79	15.2	12	10	2
50L Jacketed Tall (CG-1968-81)	300	CG-1968-X-14	28.25 x 20 x 83.5	90.8	87.3	16.2	12	10	2
50L Jacketed Squatty (CG-1968-W651)	400	CG-1968-Y-12	28.25 x 20 x 75.25	82.6	79	15.6	12	10	2
75L Jacketed (CG-1968-97)	300	CG-1968-X-24M	29.75 x 25 x 83.5	90.8	87.3	18.4	12	10	2
100L Jacketed (CG-1968-99)	300	CG-1968-X-24M	29.75 x 25 x 83.5	90.8	87.3	10.2	12	10	2
100L Jacketed (CG-1968-99)	300	CG-1968-X-26M	29.75 x 25 x 95.25	102.6	99	21.9	12	10	2
100L Jacketed Squatty (CG-1968-W9100)	400	CG-1968-Y-24M	29.75 x 25 x 83.5	91.6	87.3	19	12	10	2
100L Jacketed Tall (CG-1968-W6100)	400	CG-1968-Y-24M	29.75 x 25 x 83.5	91.6	87.3	13.2	12	10	2
150L Jacketed w/o shield (CG-1968-W6151)	400	CG-1968-Z-150	29.75 x 25 x 92	100.1	NA	12.1	12	10	2
150L Jacketed w/shield (CG-1968-W6150)	400	CG-1968-Z-151	29.75 x 25 x 92	100.1	NA	12.1	12	10	2

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.