

# 50L "Squatty" System

CG-1968-W651

## 400mm Flange

## Squatty Design Maximizes Space Below for Draining

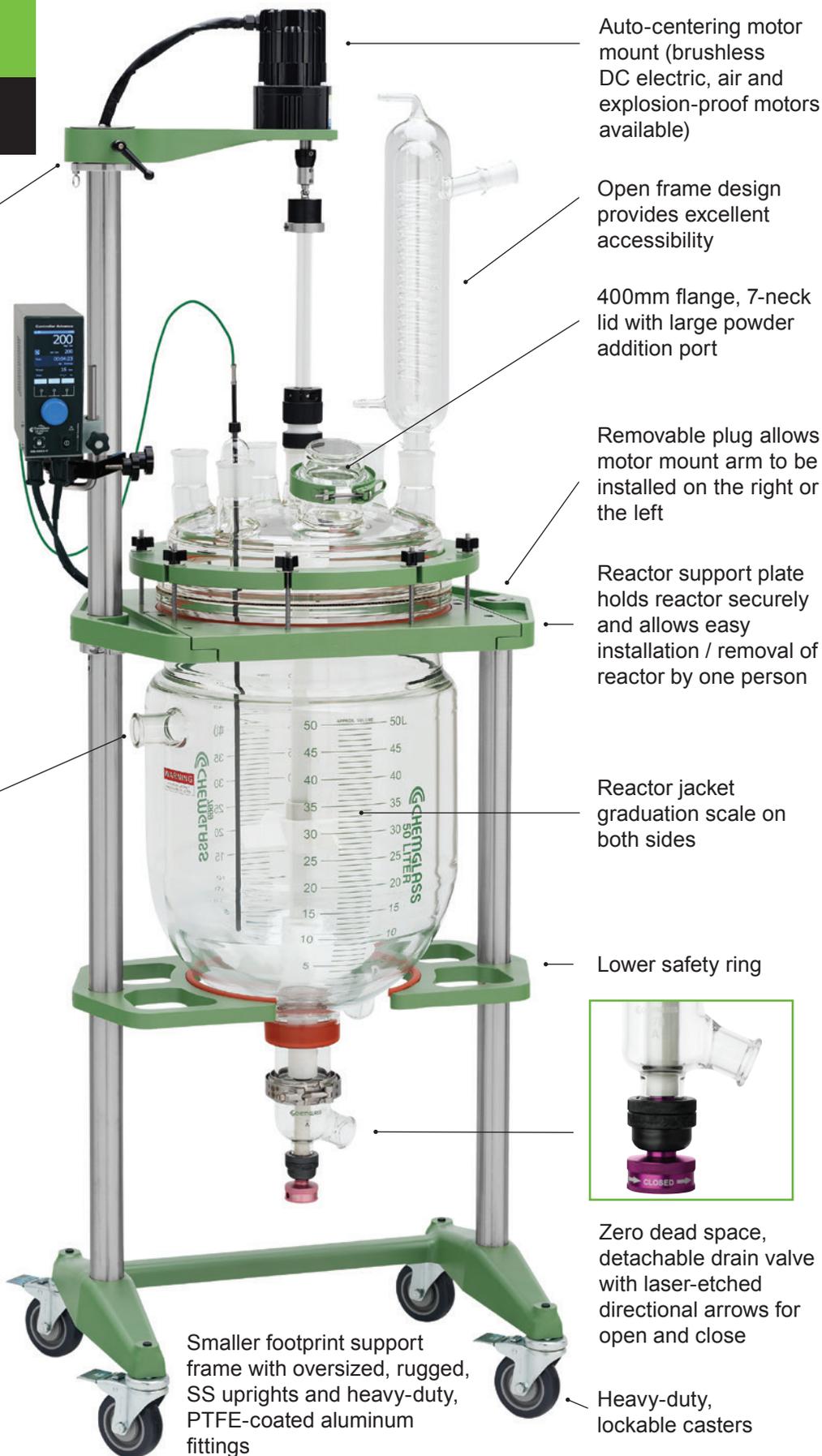
Motor mount arm can unlock and swing out giving greater access to reactor

### Brushless Motor Controller

- RPM Torque, PT100 Temperature and Timer
- Wifi Connection for Cloud Data Logging, Monitoring, Alerts and Control (Optional with Ermes)
- USB Connection for Data Logging / Monitoring
- TFT 3.5" Display for All Setting Information at a Glance
- Quick Lockout Function
- Easy CW / CCW Direction Changes

SS inlet / outlet adapters, available in M16 x 1 and M30 x 1.5, allow connection to cooling / heating circulator

### Optional Manifold



Auto-centering motor mount (brushless DC electric, air and explosion-proof motors available)

Open frame design provides excellent accessibility

400mm flange, 7-neck lid with large powder addition port

Removable plug allows motor mount arm to be installed on the right or the left

Reactor support plate holds reactor securely and allows easy installation / removal of reactor by one person

Reactor jacket graduation scale on both sides

Lower safety ring

Zero dead space, detachable drain valve with laser-etched directional arrows for open and close

Smaller footprint support frame with oversized, rugged, SS uprights and heavy-duty, PTFE-coated aluminum fittings

Heavy-duty, lockable casters



## 50L "Squatty" System with 400mm Flange



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Complete System with Standard Components listed in the table below.

No.	Qty.	Part No.	Description
1	1	CG-1215-C-10	High Efficiency Condenser, 45/50
—	3	CG-3002-L-45	PTFE Stopper, 45/50 with Loosening Ring
2	1	CG-145-09	Clamp, Keck, Brown, Standard Taper, Fits Joint Size 45/50, 10 / Pkg
3	1	CG-2097-58	25.4mm Polished Stirrer Shaft, 43 3/8" OAL
4	1	CG-2095-25	10" PTFE Agitator, Blades Angled 60°
5	1	CG-2096-M-12	Agitators, PTFE, High Viscosity, 25.4mm, 10" Blades, Solid, One-Piece Design
—	1	CG-2093-21	PTFE Flake Catching Cup
7	1	CG-2077-H-06	25.4mm PTFE Stirrer Bearing
8	1	CG-2048-03	25.4mm Safety Collar
9	1	CG-1968-E-400	400mm Reaction Vessel Lid, 7-Neck, 45/50 CN, 5-45/50 SN, 1-Angled 80mm Flat O-Ring Flange SN
10	1	CG-149-06	80mm Glass Cap
11	1	CG-141-T-10	80mm Quick Release Clamp, PTFE-Coated
12	1	CG-147-81	O-Ring, Perfluoro, 80mm Flange, White
13	1	CG-1968-H-02	Perfluoroelastomer Gasket, 400mm
14	1	CG-1968-W050	50 Liter Jacketed Reaction Vessel, Squatty, 3" Beaded Pipe, Detachable
15	2	CG-1969-A-08	1 1/2" Beaded Pipe to M16 x 1 Male Thread S.S. Adapter
16	2	CG-1968-69	1 1/2" Beaded Pipe Coupling
17	1	CG-1968-T-75	3" Beaded Pipe Coupling
18	1	CG-1968-T-50	3" Beaded Pipe, Zero Dead Space, Drain Valve with 1 1/2" Beaded Pipe Sidearm
19	1	CG-2033-B-25	1/4 HP Brushless DC Motor Only, 24v, 3/4" Shaft Diameter
20	1	CG-2033-V-75	Controller, Motor, Temp. and Time, Only for Brushless DC Motor, 120v
21	1	CG-2046-90	25.4mm Stirrer Shaft Split Coupling
23	1	CG-1042-E-10	1/4" Thermocouple Adapter, 45/50
24	1	CG-1978-P932	PT100 Temp. Sensor, 1/4" Dia. x 32" Long
26	2	CG-3498-03	Stainless Steel Rod, Bent 90°, 1/2" OD
27	2	CG-9253-20	Large Kwik Klamp II, Hardcote and PTFE Anodized Finish
28	1	CG-1968-Y-12	Open Air Support Frame, 28.25" W x 20" D x 75.25" H
—	1	CG-1963-B-10	Beam Torque Wrench
—	1	CG-1963-B-15	1/2" Deep Socket, 6 Point, 1/4" Drive
—	1	CG-1963-B-14	7/16" Deep Socket, 6 Point, 1/4" Drive

Motor Type	Approx. Overall Height with Motor (in.)	Clearance Below Drain Valve Side Arm (in.)
Electric	82.6	15.6

