

100L "Tall" System

CG-1968-MB6100

400mm Flange

400mm Flange Maximizes Interior Access

Brushless DC electric, air and explosion-proof motors available

Auto-centering 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

High Flow Manifold System Included

M30 x 1.5 circulator fittings and insulated hoses, -60 to +200°C

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

Heavy-duty, lockable casters

Open frame design provides excellent accessibility

Mechanical Seal Stirrer Bearing

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

**400mm
Better
Access!**

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

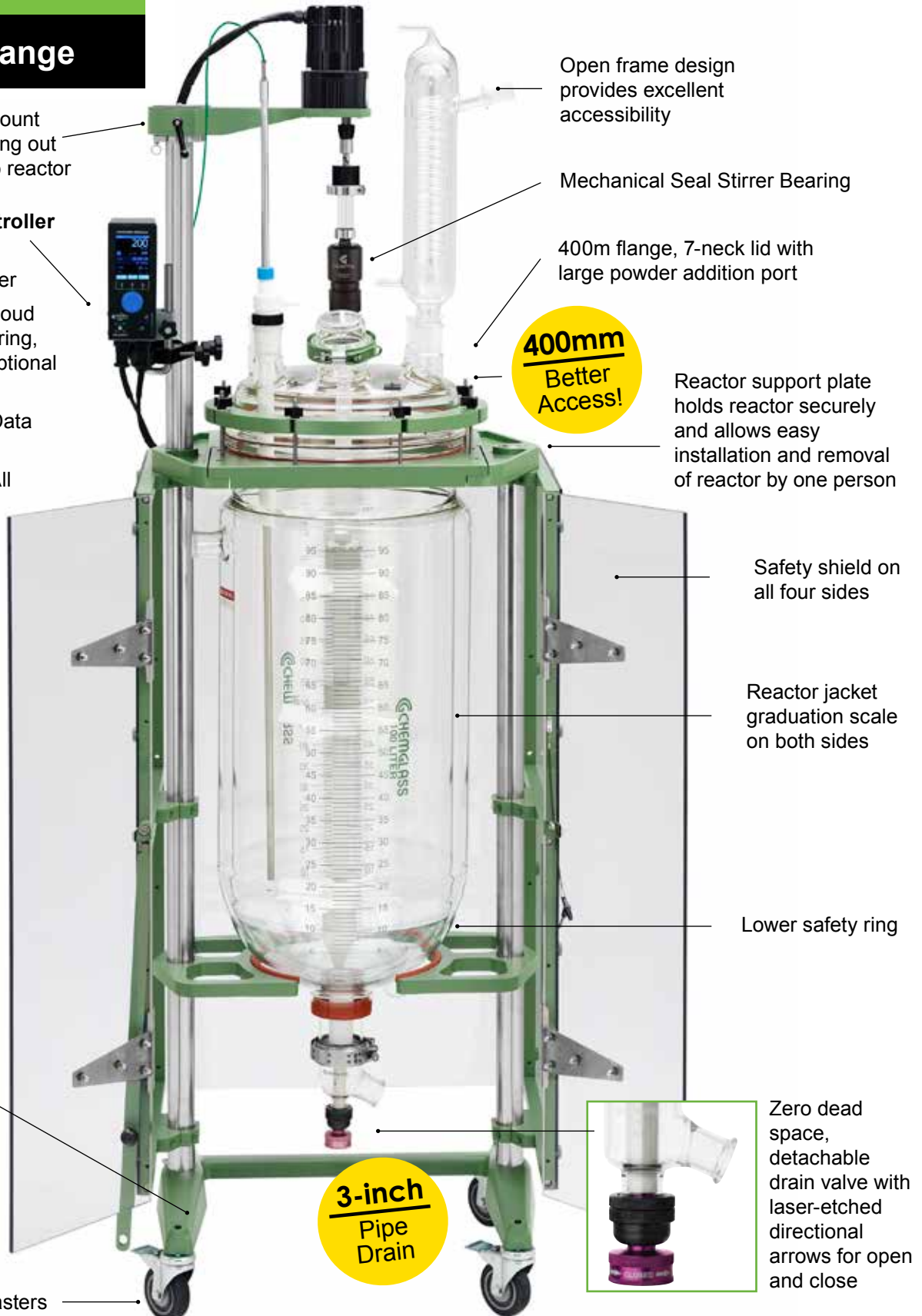
Safety shield on all four sides

Reactor jacket graduation scale on both sides

Lower safety ring

**3-inch
Pipe
Drain**

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



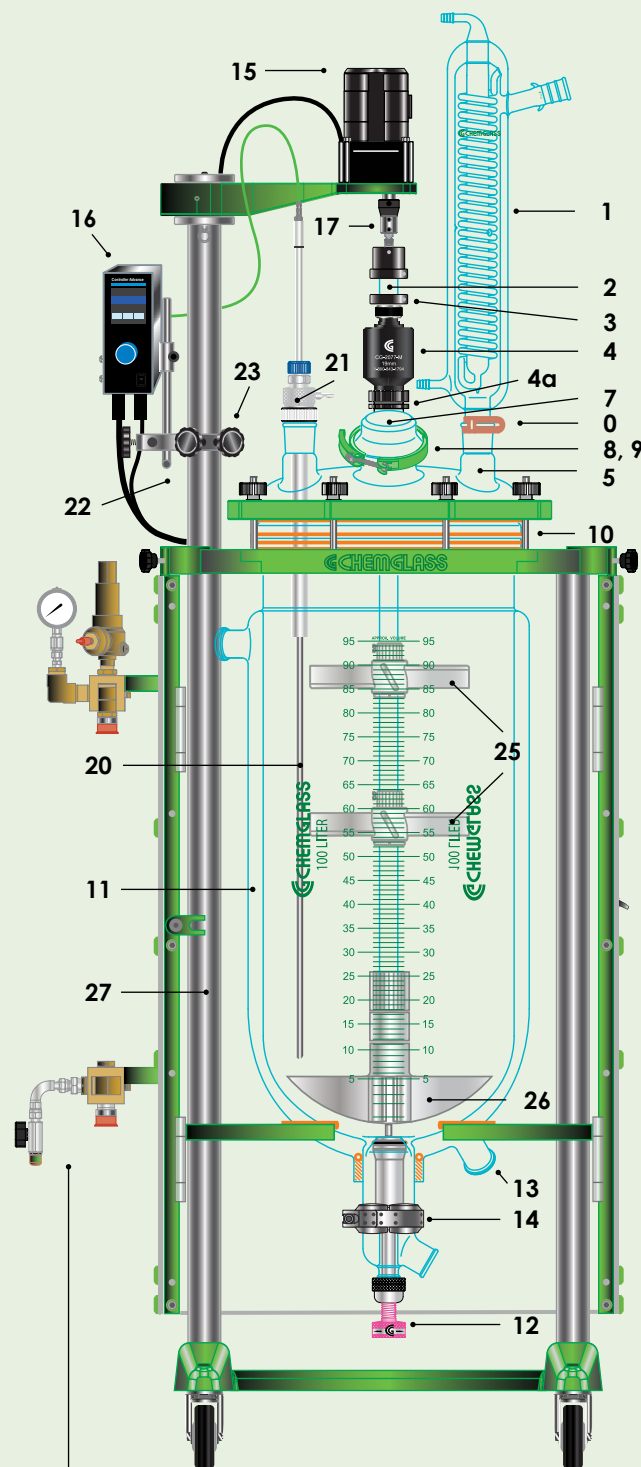
100L "Tall" System with 400mm Flange



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Complete System with Standard Components listed in the table below.

No.	Qty.	Part No.	Description
1	1	CG-1215-C-02	High Efficiency Condenser, 45/50
2	1	CG-2097-101	30mm Stirrer Shaft, Hollow, Lower Portion Sandblasted
3		CG-2048-04	30mm Stirrer Shaft Retainer, Nylon, Safety
4		CG-2077-M-05	31mm Mechanical Seal Stirrer Bearing
4a		CG-2077-M-33	31mm Lower Joint Adapter, 45/50
5	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
—	3	CG-3002-L-45	Stopper, PTFE, 45/50 with Loosening Ring
0	1	CG-145-09	Clamp, Keck, Brown, Standard Taper, Fits Joint Size 45/50, 10 / Pkg
7	1	CG-149-06	80mm Glass Cap
8	1	CG-147-81	O-Ring, Perfluoro, 80mm Flange White
9	1	CG-141-T-10	80mm Quick Release Clamp, PTFE-Coated
10	1	CG-1968-H-02	Perfluoroelastomer Gasket, 400mm
11	1	CG-1968-W100	100 Liter Jacketed Reaction Vessel, Tall, 3" Beaded Pipe, Detachable
12	1	CG-1968-T-55	3" Beaded Pipe, Zero Dead Space, Drain Valve with 1 1/2" Beaded Pipe Sidearm
13	2	CG-1968-69	1 1/2" Beaded Pipe Coupling
14	1	CG-1968-T-75	3" Beaded Pipe Coupling
15	1	CG-2033-B-25	1/4 HP Brushless DC Motor Only, 24v, 3/4" Shaft Diameter
16	1	CG-2033-V-75	Controller, Motor, Temp. and Time, Only for Brushless DC Motor, 120v
17	1	CG-2046-X-130	30mm Stirrer Shaft Split Coupling
20	1	CG-1978-P955	PT100 Temp. Probe, 1/2" Dia. x 55" Long
21	1	CG-1971-87	45/50 PTFE Thermocouple Stabilizer, Complete with 14mm Compression Fitting
22	2	CG-3498-03	90° Support Rod, 1/2" OD, Stainless Steel
23	2	CG-9253-20	Large Kwik Klamp II, Hardcote & PTFE Anodized Finish
25	2	CG-2095-R50	10" Diameter Upper Agitator, PTFE
26	1	CG-2095-M-55	13" Diameter Lower Agitator, PTFE, with Stabilizing Bushing
27	1	CG-1968-Y-24M	Open Air Support Frame, 28.25" W x 20" D x 83.5" 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



High Flow Manifold System Included

M30 x 1.5 circulator fittings and insulated hoses, -60 to +200°C

Motor Type	Approx. Overall Height with Motor (in.)	Clearance Below Drain Valve Side Arm (in.)
Electric	90.8	13.2