

100L "Squatty" System

CG-1968-MB9100

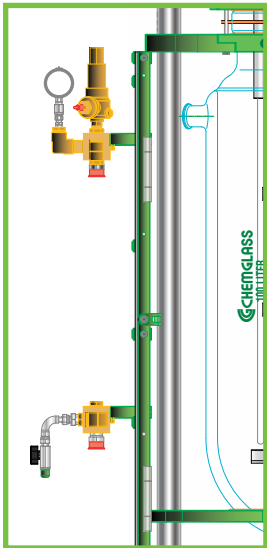
400mm Flange

Squatty Design Maximizes Space Below for Draining

Brushless DC electric, air and explosion-proof motors available

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 Included with 100L System

(Optional on 50L Squatty Systems)

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

Auto-centering motor mount arm can unlock and swing out giving greater access to reactor

Open frame design provides excellent accessibility

Mechanical Seal Stirrer Bearing

400mm
Better Access!

Reactor jacket graduation scale on both sides

Safety shield on all four sides

Lower safety ring

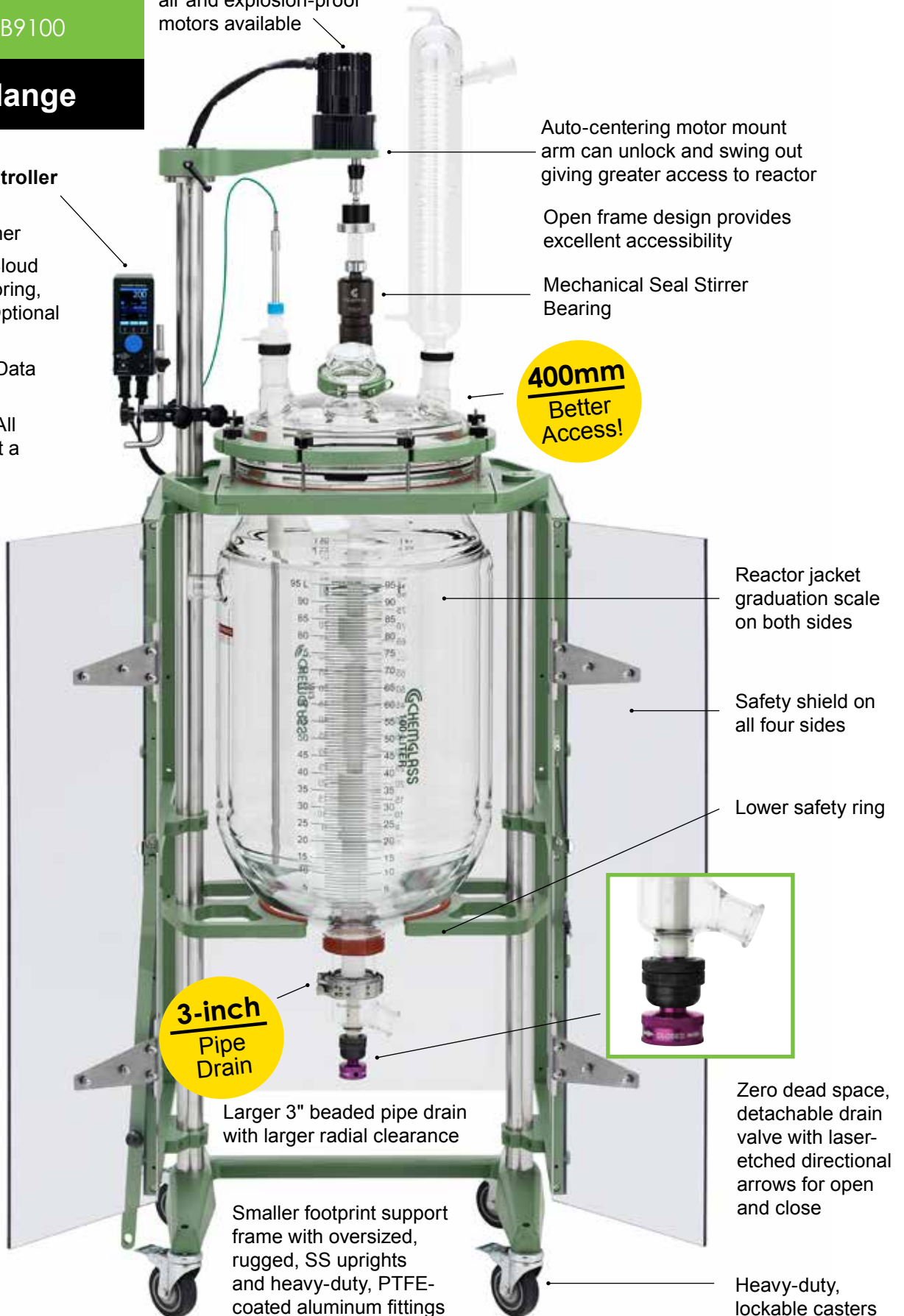
3-inch
Pipe Drain

Larger 3" beaded pipe drain with larger radial clearance

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

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

Heavy-duty, lockable casters



100L "Squatty" System with 400mm Flange

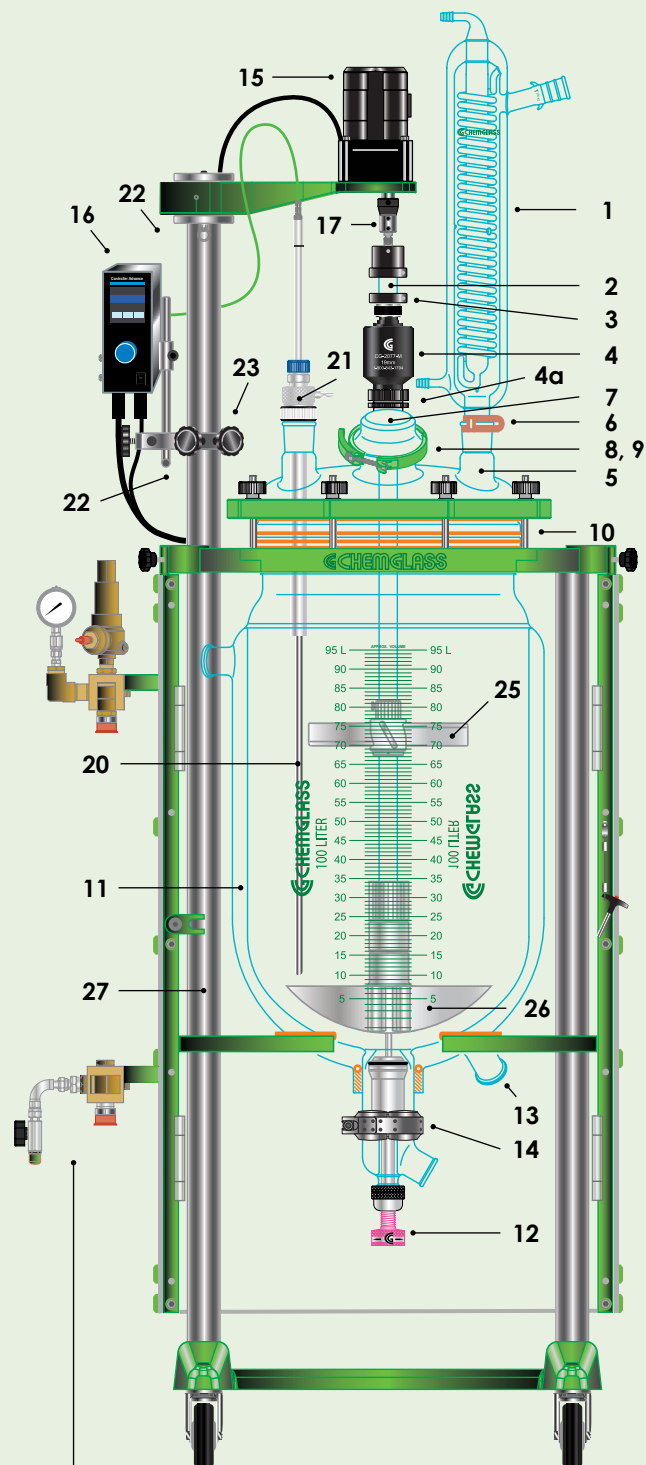


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Complete System with Standard Components listed in the table below.

No.	Qty.	Part No.	Description
1	1	CG-1215-C-02	High Efficiency Condenser, 45/50
2	1	CG-2097-102	30mm Stirrer Shaft, Hollow, Lower Portion Sandblasted
3	1	CG-2048-04	30mm Stirrer Shaft Retainer, Nylon, Safety
4	1	CG-2077-M-05	31mm Mechanical Seal Stirrer Bearing
4a	1	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
6	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-W101	100 Liter Jacketed Reaction Vessel, Squatty, 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-38	3/8 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-P946	PT100 Temp. Sensor, 1/2" Dia. x 45" 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 and PTFE Anodized Finish
25	1	CG-2095-R50	10" Diameter Upper Agitator, PTFE
26	1	CG-2095-M-55	13" High Viscosity 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

Motor Type	Approx. Overall Height with Motor (in.)	Clearance Below Drain Valve Side Arm (in.)
Electric	90.8	19



High Flow Manifold System Included

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