

# 100L "Squatty" System

CG-1968-W9100

**400mm Flange**

## Squatty Design Maximizes Space Below for Draining

Brushless DC electric, air and explosion-proof motors available

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

Open frame design provides excellent accessibility

### 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

**400mm**  
Better Access!

Reactor jacket graduation scale on both sides

Safety shield on all four sides

Lower safety ring

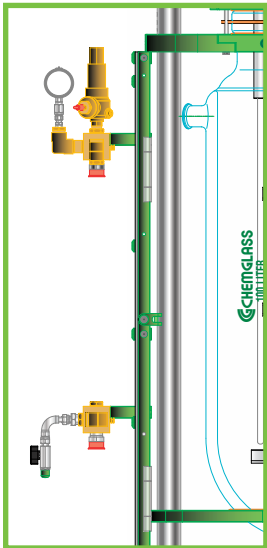
**3-inch**  
Pipe Drain

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

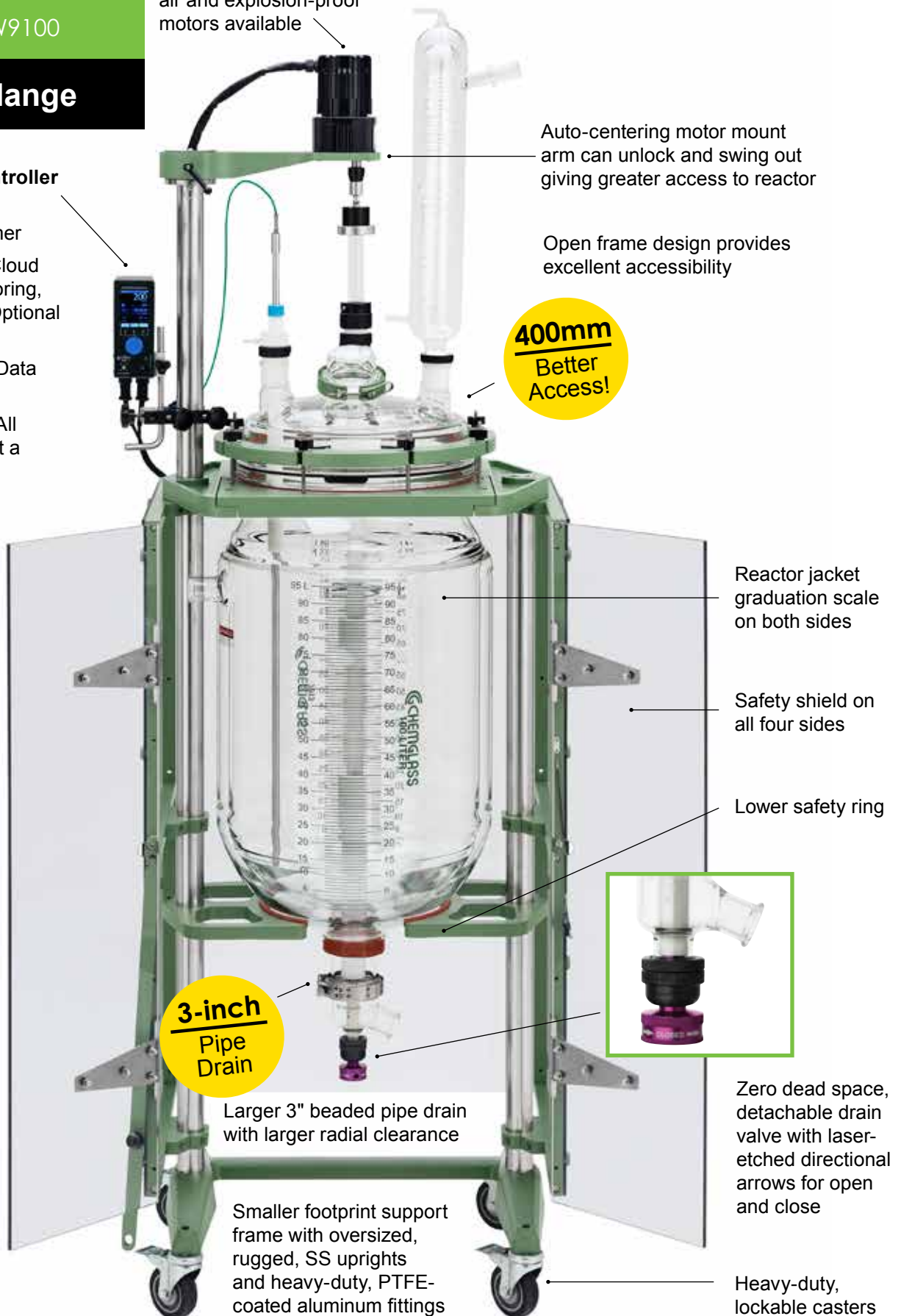
Heavy-duty, lockable casters



### 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



# 100L "Squatty" System with 400mm Flange

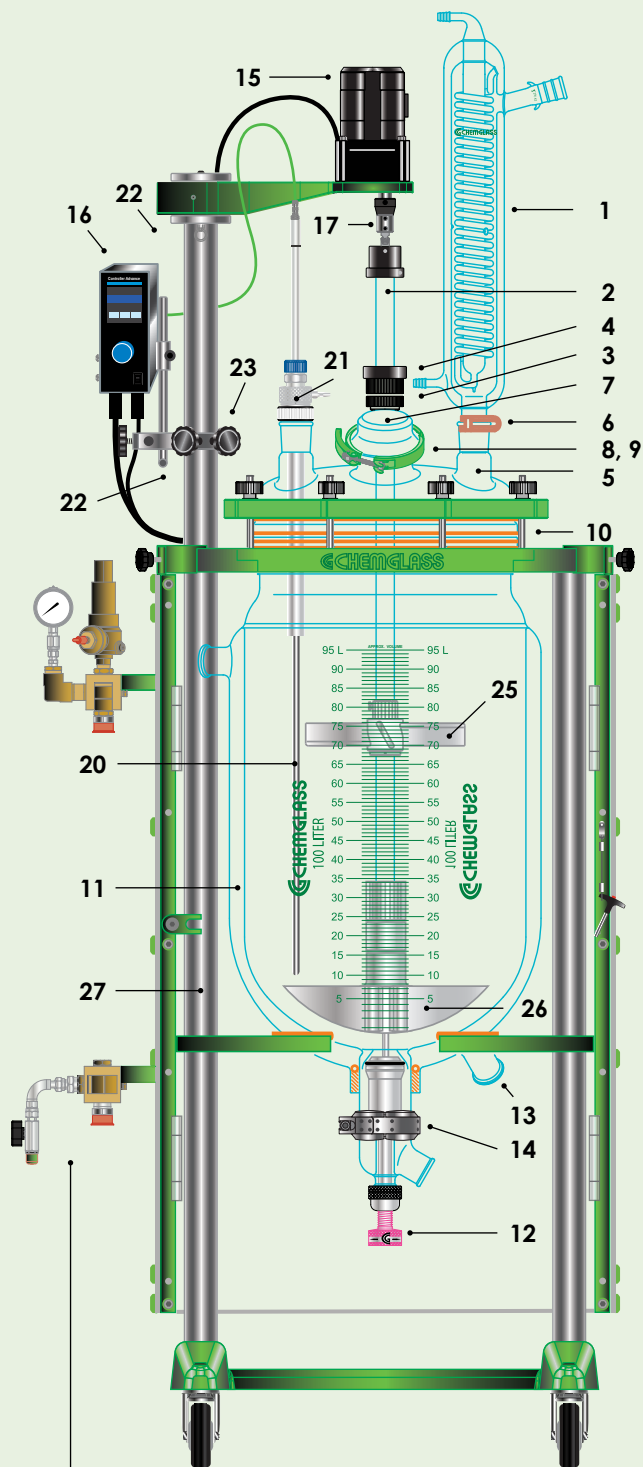


**CG-1968-W9100**

Complete System with Standard Components listed in the table below.

No.	Qty.	Part No.	Description
1	1	<b>CG-1215-C-02</b>	High Efficiency Condenser, 45/50
2	1	<b>CG-2097-102</b>	30mm Stirrer Shaft, Hollow, Lower Portion Sandblasted
3	1	<b>CG-2077-H-07</b>	30mm PTFE Stirrer Bearing
4	1	<b>CG-2048-04</b>	30mm Stirrer Shaft Retainer, Nylon
5	1	<b>CG-1968-E-400</b>	400mm Reaction Vessel Lid, 7 Neck, 45/50 CN, 5-45/50 SN, 1-Angled 80mm Flat O-Ring Flange SN
—	3	<b>CG-3002-L-45</b>	Stopper, PTFE, 45/50 with Loosening Ring
6	1	<b>CG-145-09</b>	Clamp, Keck, Brown, Standard Taper, Fits Joint Size 45/50, 10 / Pkg
7	1	<b>CG-149-06</b>	80mm Glass Cap
8	1	<b>CG-147-81</b>	O-Ring, Perfluoro, 80mm Flange, White
9	1	<b>CG-141-T-10</b>	80mm Quick Release Clamp, PTFE-Coated
10	1	<b>CG-1968-H-02</b>	Perfluoroelastomer Gasket, 400mm
11	1	<b>CG-1968-W101</b>	100 Liter Jacketed Reaction Vessel, Squatty, 3" Beaded Pipe, Detachable
12	1	<b>CG-1968-T-55</b>	3" Beaded Pipe, Zero Dead Space, Drain Valve with 1 1/2" Beaded Pipe Sidearm
13	2	<b>CG-1968-69</b>	1 1/2" Beaded Pipe Coupling
14	1	<b>CG-1968-T-75</b>	3" Beaded Pipe Coupling
15	1	<b>CG-2033-B-38</b>	3/8 HP Brushless DC Motor Only, 24v, 3/4" Shaft Diameter
16	1	<b>CG-2033-V-75</b>	Controller, Motor, Temp. and Time, Only for Brushless DC Motor, 120v
17	1	<b>CG-2046-X-130</b>	30mm Stirrer Shaft Split Coupling
20	1	<b>CG-1978-P946</b>	PT100 Temp. Sensor, 1/2" Dia. x 45" Long
21	1	<b>CG-1971-87</b>	45/50 PTFE Thermocouple Stabilizer, Complete with 14mm Compression Fitting
22	2	<b>CG-3498-03</b>	90° Support Rod, 1/2" OD, Stainless Steel
23	2	<b>CG-9253-20</b>	Large Kwik Klamp II, Hardcote and PTFE Anodized Finish
—	1	<b>CG-2093-22</b>	30mm PTFE Flake Catching Cup
25	1	<b>CG-2095-R50</b>	10" Diameter Upper Agitator, PTFE
26	1	<b>CG-2095-M-55</b>	13" High Viscosity Lower Agitator, PTFE, with Stabilizing Bushing
27	1	<b>CG-1968-Y-24M</b>	Open Air Support Frame, 28.25" W x 20" D x 83.5" H
—	1	<b>CG-1963-B-10</b>	Beam Torque Wrench
—	1	<b>CG-1963-B-15</b>	1/2" Deep Socket, 6 Point, 1/4" Drive
—	1	<b>CG-1963-B-14</b>	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