

# 150L System with Shield

CG-1968-W6150

## 400mm Flange

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

## 400mm Flange Maximizes Interior Access

Brushless DC electric motor, air and explosion-proof motors available

Open frame design provides excellent accessibility

Mechanical Seal Stirrer Bearing

400mm 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

Safety shield on all four sides

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

**3-inch  
Pipe  
Drain**

Heavy-duty, lockable casters

# 150L System with 400mm Flange & Shield

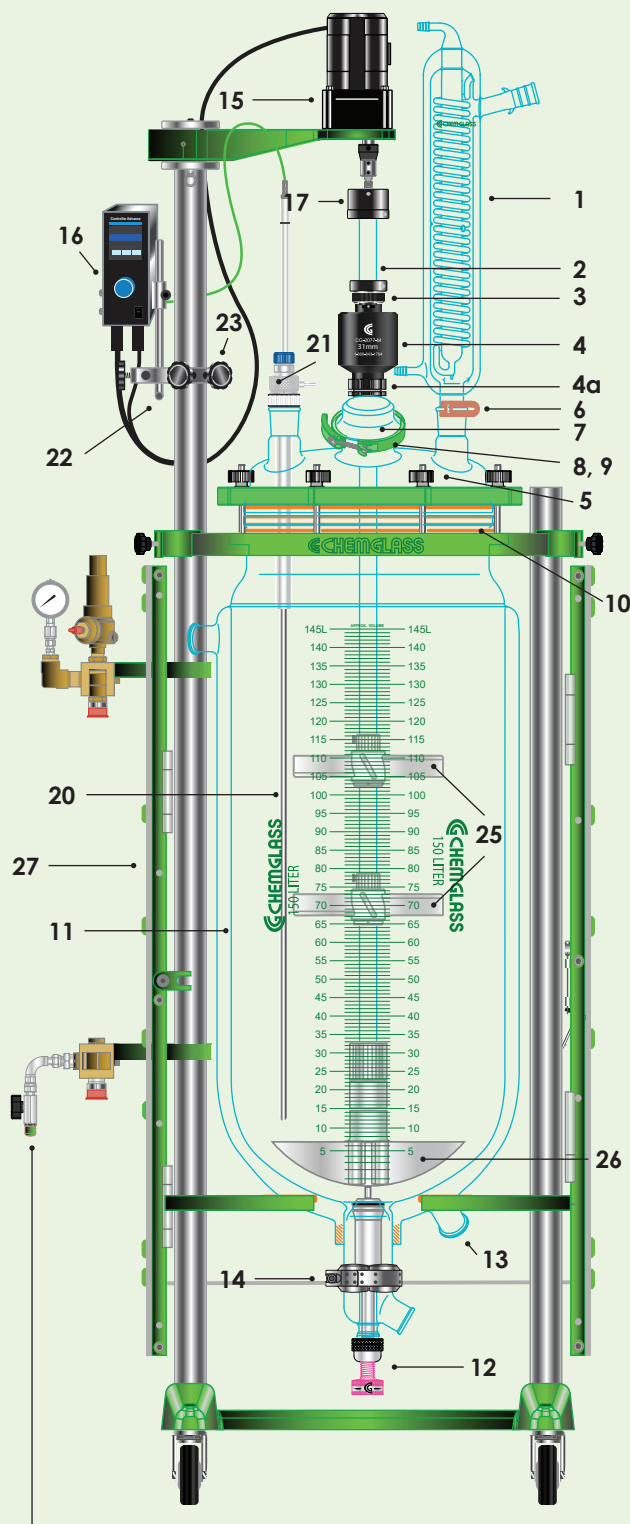


**CG-1968-W6150**

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-X-150</b>	30mm Stirrer Shaft, Solid Top, Lower Portion Sandblasted, with Indents
3		<b>CG-2048-04</b>	30mm Stirrer Shaft Retainer, Nylon, Safety
4		<b>CG-2077-M-05</b>	31mm Mechanical Seal Stirrer Bearing
4a		<b>CG-2077-M-33</b>	31mm Lower Joint Adapter, 45/50
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-W150</b>	150 Liter Reaction Vessel, Large Scale, 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-39</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, WiFi
17	1	<b>CG-2046-X-130</b>	30mm Stirrer Shaft Split Coupling
20	1	<b>CG-1978-P1150</b>	PT100 Temp. Probe, 1/2" Dia. x 60" Long
21	1	<b>CG-1971-88</b>	45/50 PTFE Thermocouple Stabilizer, Complete with 1/2" Pipe Probe
22	1	<b>CG-3498-03</b>	90° Support Rod, 1/2" OD, Stainless Steel
23	1	<b>CG-9253-20</b>	Large Kwik Klamp II, Hardcote & PTFE Anodized Finish
25	2	<b>CG-2095-R50</b>	10" Diameter Upper Agitator, PTFE
26	1	<b>CG-2095-M-55</b>	13" Diameter Lower Agitator, PTFE, with Stabilizing Bushing
27	1	<b>CG-1968-Z-150</b>	Open Air Support Frame with Safety Shield Assembly, 28.25" W x 20" D x 92" OAH, with High Flow Manifold
—	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	100.1	12.1



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