

## CHEMRxnHUB

YOUR  $R_x$  FOR PROCESS CHEMISTRY



### CONVENIENCE:



Tool-Free Jacket fittings with hose hanger incorporated into CHEMRxnHUB.



Unique clamp and support system provides simple installation and quick change-out.

**COMPLETE REACTOR AND CIRCULATOR PACKAGES ARE AVAILABLE!**

**Universal Motor Mount:**

Bearing assisted design offers smooth horizontal and vertical motor adjustment

**Digital Overhead Stirrer:**

Features torque compensation and is suitable for up to 50,000 CPS, RS232 interface

**High Efficiency Coil Condenser:**

Unique lower hose connections provide clean and simple routing and connection of tubing

**CHEMRxnHUB Support Frame:**

Stainless Steel Uprights and PTFE Coated Aluminum Cross members

**Hose Hanger:**

Convenient storage of disconnected hoses

**Flake Free PTFE Bearing Design:**

Vacuum down to 5mm Hg/5 torr

**Support Crossbeam:**

Allows vertical adjustment of reaction vessel

**Tool-Free Jacket Connections:**

Hoses can be attached or removed by hand

**Insertable Baffle:**

PTFE Jacketed stainless steel baffle and adapter

**Stainless Steel Support Clamp:**

Tool-Free installation, 100mm and 150mm flange sizes

**Bottom Outlet:**

Precision bore drain valve - zero dead space, Perfluoro o-rings

**Optional Manifold Connection System:**

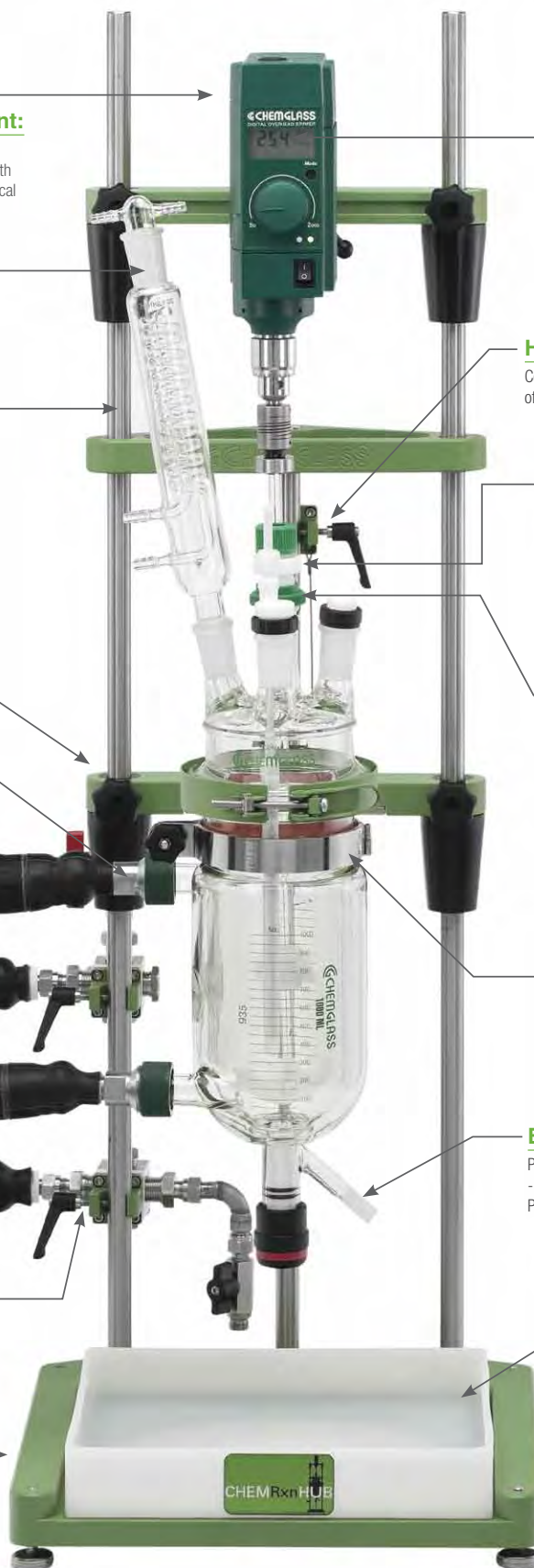
Stress Free glass connections and easy draining

**Spill Tray:**

Polyethylene Drip/Spill Tray

**CHEMRxnHUB Base:**

Heavy duty PTFE coated aluminum base with leveling feet  
**SMALL FOOTPRINT:**  
 15.25" W x 17.25" D x 40" H



# REACTORS, BENCHTOPS

## CG-1949-X-300 CHEMRXNHUB SYSTEM, JACKETED, 300ML

NEW ChemRxnHub process systems are complete with benchtop stand, overhead stirrer and glassware. Available with the optional manifold connection and heat transfer fluid draining system. The unique design of the ChemRxnHub support stand and clamping system allows for quick and easy installation/removal of glassware and fits into most benchtop hoods. System is supplied complete with the components listed below and numbered on the image below. Items in black are supplied with both systems. **PLEASE NOTE: CUSTOM GLASSWARE SETUPS ARE AVAILABLE. PLEASE CALL FOR PRICING.**

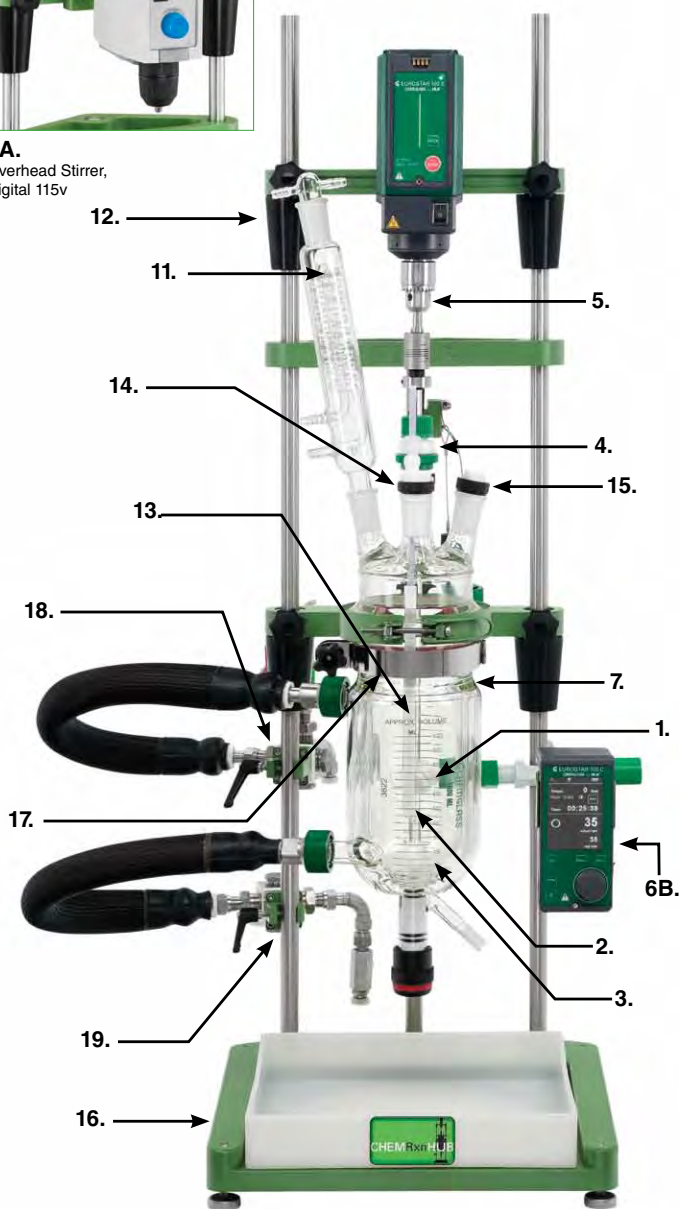
Part Number	Description
CG-1949-X-303	300mL ChemRxnHub Process System, Complete w/ Glassware & Stand, Digital Overhead Stirrer
CG-1949-X-300	300mL ChemRxnHub Process System, Complete with Glassware and Stand, Overhead with Removable Remote

Part Number	Description
CG-1949-X-303M	300mL ChemRxnHub Process System, Complete w/ Glassware & Stand, Manifold/ Drain System w/Digital Overhead Stirrer
CG-1949-X-300M	300mL ChemRxnHub Process System, Complete w/Glassware & Stand, Manifold/ Drain System w/ Removable Remote



6A. Overhead Stirrer, Digital 115v

Approx. Stand Dimensions:  
15.25 W x 17.25 D x 40" H



Standard Components Supplied With Complete Chemrxnhub Systems:			
No.	QTY	Part No.	Description
1	1	CG-2091-04	Stirrer Paddle for 10mm O.D., 50mm, 60°, PTFE
2	1	CG-2078-05	Stirring Shaft, 10mm, Polished
3	1	CG-2081-A-04	Anchor Style Stir Paddle, 81mm x 35mm, PTFE
4	1	CG-2077-G-21	24/40 Stirrer Bearing, PTFE
5	1	CG-2044-C-14	Compact Tru-Stir Stirrer Shaft Coupling
6a	1	CG-2024-10	Digital Overhead Stirrer, 115v
6b	1	CG-2035-20	Overhead Stirrer, Removable Remote 115v
7	1	CG-1929-X11	300mL Reaction Vessel, Jacketed
8	1	CG-1946-D-01	Lid, Reaction Vessel, 5-Neck, 100mm
9	1	CG-141-T-12	100mm Quick Release Clamp,
10	1	CG-147-76	O-Ring, FEP-encased Stainless
11	1	CG-1213-J-01	Condenser, Coil, Reflux
12	1	CG-1064-01	Adapter, Inert Gas, 24/40, 2- Hose Conn. 180°
13	1	CG-1971-M-09	PTFE jacketed S.S. Baffle, 360mm
14	1	CG-1971-M-20	24/40 Micro Baffle Adapter, PTFE
15	2	CG-3002-L-24	Stopper, PTFE, 24/40 with Loosening Ring
16	1	CG-1949-X-10	Reactor Support Frame, and LDPE Drip Tray
17	1	CG-1947-B100	S.S. Reactor Clamp, 100mm
18	1	CG-1969-X-12	Outlet Manifold Assembly (1949-X-300M, -303M Systems)
19	1	CG-1969-X-14	Inlet Manifold Assembly (1949-X-300M, -303M Systems)
20	2	CG-1969-V-10	30mm Flat Flange S.S. Jacket Adapter, 90°, M16 (1949-X-300 System only)
	1	CG-2040-C-01	Clamp, Heavy Duty (supplied with remote stirrer system)
	1	CG-2035-100	Remote Holder (supplied with remote stirrer system)

## CG-1949-X-500 CHEMRXNHUB SYSTEM, JACKETED, 500ML

NEW ChemRxnHub process systems are complete with benchtop stand, overhead stirrer and glassware. Available with the optional manifold connection and heat transfer fluid draining system. The unique design of the ChemRxnHub support stand and clamping system allows for quick and easy installation/removal of glassware and fits into most benchtop hoods. System is supplied complete with the components listed below and numbered on the image below. Items in black are supplied with both systems. **PLEASE NOTE: CUSTOM GLASSWARE SETUPS ARE AVAILABLE. PLEASE CALL FOR PRICING.**

Part Number	Description
CG-1949-X-505	500mL ChemRxnHub Process System, Complete with Glassware And Stand, Digital Overhead Stirrer
CG-1949-X-500	500mL ChemRxnHub Process System, Complete w/Glassware & Stand, Remote Control Overhead
CG-1949-X-505M	500mL ChemRxnHub Process System, Complete w/Glassware & Stand, Manifold/Drain System, Digital
CG-1949-X-500M	500mL ChemRxnHub Process System, Complete w/Glassware & Stand, Manifold/Drain System, Remote

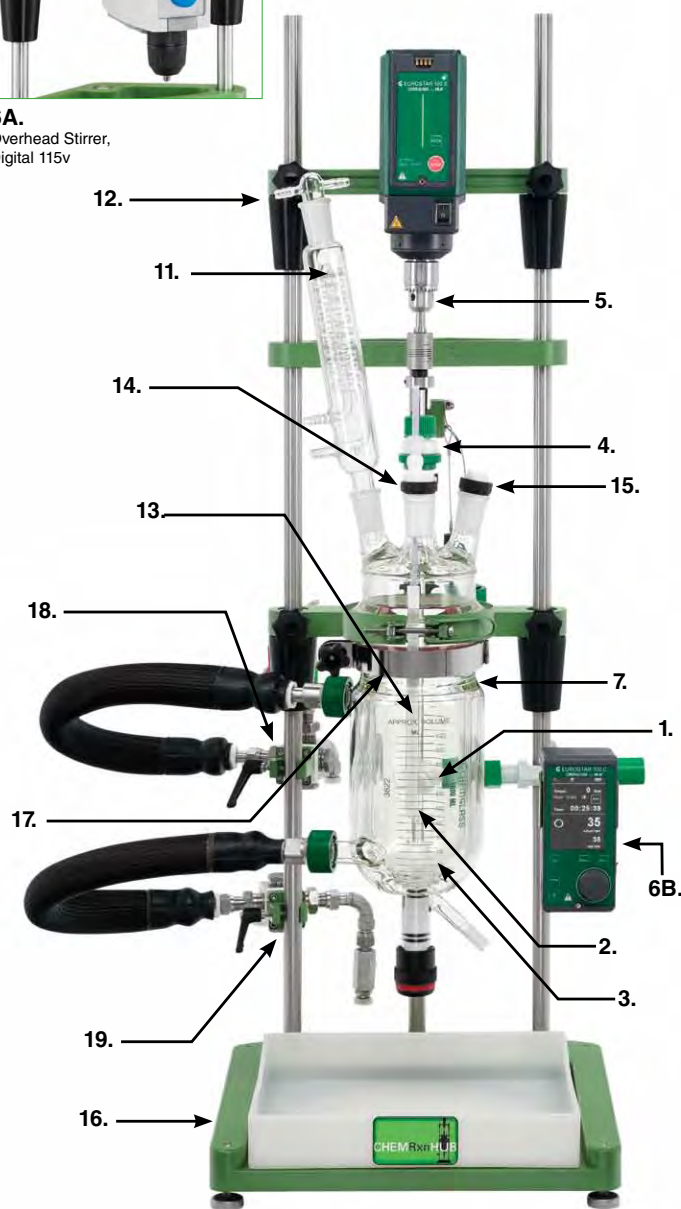
### Standard Components Supplied With Complete Chemrxnhub Systems:

No.	QTY	Part No.	Description
1	1	CG-2091-04	Stirrer Paddle for 10mm O.D., 50mm, 60°, PTFE
2	1	CG-2078-07	Stirring Shaft, 10mm, Polished
3	1	CG-2081-A-04	Anchor Style Stir Paddle, 81mm x 35mm, PTFE
4	1	CG-2077-G-21	24/40 Stirrer Bearing, PTFE
5	1	CG-2044-C-14	Compact Tru-Stir Stirrer Shaft Coupling
6a	1	CG-2024-10	Digital Overhead Stirrer, 115v
6b	1	CG-2035-20	Overhead Stirrer, Removable Remote 115v
7	1	CG-1929-X13	500mL Reaction Vessel, Jacketed
8	1	CG-1946-D-01	Lid, Reaction Vessel, 5-Neck, 100mm
9	1	CG-141-T-12	100mm Quick Release Clamp,
10	1	CG-147-76	O-Ring, FEP-encased Stainless
11	1	CG-1213-J-01	Condenser, Coil, Reflux
12	1	CG-1064-01	Adapter, Inert Gas, 24/40, 2- Hose Conn. 180°
13	1	CG-1971-M-09	PTFE jacketed S.S. Baffle, 360mm
14	1	CG-1971-M-20	24/40 Micro Baffle Adapter, PTFE
15	2	CG-3002-L-24	Stopper, PTFE, 24/40 with Loosening Ring
16	1	CG-1949-X-10	Reactor Support Frame, and LDPE Drip Tray
17	1	CG-1947-B100	S.S. Reactor Clamp, 100mm
18	1	CG-1969-X-12	Outlet Manifold Assembly (1949-X-500M, -505M Systems)
19	1	CG-1969-X-14	Inlet Manifold Assembly (1949-X-500M, -505M Systems)
20	2	CG-1969-V-10	30mm Flat Flange S.S. Jacket Adapter, 90°, M16 (1949-X-500 System only)



6A. Overhead Stirrer, Digital 115v

Approx. Stand Dimensions:  
15.25 W x 17.25 D x 40" H



# REACTORS, BENCHTOPS

## CG-1949-X-1L CHEMRXNHUB SYSTEM, JACKETED, 1000ML

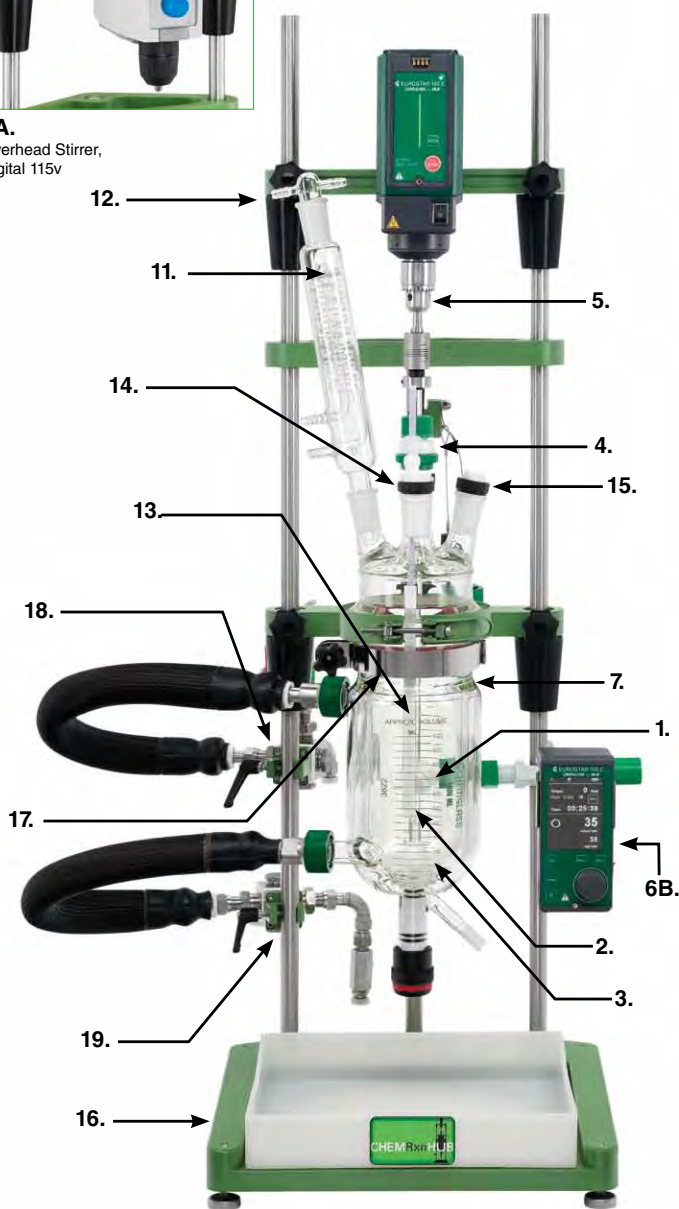
NEW ChemRxnHub process systems are complete with benchtop stand, overhead stirrer and glassware. Available with the optional manifold connection and heat transfer fluid draining system. The unique design of the ChemRxnHub support stand and clamping system allows for quick and easy installation/removal of glassware and fits into most benchtop hoods. System is supplied complete with the components listed below and numbered on the image below. Items in black are supplied with both systems. **PLEASE NOTE: CUSTOM GLASSWARE SETUPS ARE AVAILABLE. PLEASE CALL FOR PRICING.**

Part Number	Description
CG-1949-X-1D	1000mL ChemRxnHub Process System, Complete with Glassware And Stand, Digital Overhead Stirrer
CG-1949-X-1L	1000mL ChemRxnHub Process System, Complete with Glassware And Stand, Overhead with Removable Remote
CG-1949-X-1DM	1000mL ChemRxnHub Process System, Complete w/Glassware & Stand, Manifold/Drain System, Digital
CG-1949-X-1LM	1000mL ChemRxnHub Process System, Complete w/Glassware & Stand, Manifold/Drain System, Remote



**6A.**  
Overhead Stirrer,  
Digital 115v

**Approx. Stand Dimensions:  
15.25 W x 17.25 D x 40”H**



Standard Components Supplied With Complete Chemrxnhub Systems:			
No.	QTY	Part No.	Description
1	1	CG-2091-04	Stirrer Paddle for 10mm O.D., 50mm, 60°, PTFE
2	1	CG-2078-07	Stirring Shaft, 10mm, Polished
3	1	CG-2081-A-04	Anchor Style Stir Paddle, 81mm x 35mm, PTFE
4	1	CG-2077-G-21	24/40 Stirrer Bearing, PTFE
5	1	CG-2044-C-14	Compact Tru-Stir Stirrer Shaft Coupling
6a	1	CG-2024-10	Digital Overhead Stirrer, 115v
6b	1	CG-2035-20	Overhead Stirrer, Removable Remote 115v
7	1	CG-1929-X15	1000mL Reaction Vessel, Jacketed
8	1	CG-1946-D-01	Lid, Reaction Vessel, 5-Neck, 100mm
9	1	CG-141-T-12	100mm Quick Release Clamp,
10	1	CG-147-76	O-Ring, FEP-encased Stainless
11	1	CG-1213-J-01	Condenser, Coil, Reflux
12	1	CG-1064-01	Adapter, Inert Gas, 24/40, 2- Hose Conn. 180°
13	1	CG-1971-M-10	PTFE jacketed S.S. Baffle, 410mm
14	1	CG-1971-M-20	24/40 Micro Baffle Adapter, PTFE
15	2	CG-3002-L-24	Stopper, PTFE, 24/40 with Loosening Ring
16	1	CG-1949-X-10	Reactor Support Frame, and Drip Tray
17	1	CG-1947-B100	S.S. Reactor Clamp, 100mm
18	1	CG-1969-X-12	Outlet Manifold Assembly (1949-X-1LM, -1DM Systems)
19	1	CG-1969-X-14	Inlet Manifold Assembly (1949-X-1LM, -1DM Systems)
20	2	CG-1969-V-10	30mm Flat Flange S.S. Jacket Adapter, 90°, M16 (1949-X-1L System only)

## CG-1949-X-2L CHEMRXNHUB SYSTEM, JACKETED, 2000ML

NEW ChemRxnHub process systems are complete with benchtop stand, overhead stirrer and glassware. Available with the optional manifold connection and heat transfer fluid draining system. The unique design of the ChemRxnHub support stand and clamping system allows for quick and easy installation/removal of glassware and fits into most benchtop hoods. System is supplied complete with the components listed below and numbered on the image below. Items in black are supplied with both systems. **PLEASE NOTE: CUSTOM GLASSWARE SETUPS ARE AVAILABLE. PLEASE CALL FOR PRICING.**

Part Number	Description
CG-1949-X-2D	2000mL ChemRxnHub Process System, Complete w/Glassware & Stand, Digital Overhead Stirrer
CG-1949-X-2L	2000mL ChemRxnHub Process System, Complete w/Glassware & Stand, Overhead w/Removable Remote
CG-1949-X-2DM	2000mL ChemRxnHub Process System, Complete w/Glassware & Stand, Manifold/Drain System, Digital
CG-1949-X-2LM	2000mL ChemRxnHub Process System, Complete w/Glassware & Stand, Manifold/Drain System, Remote

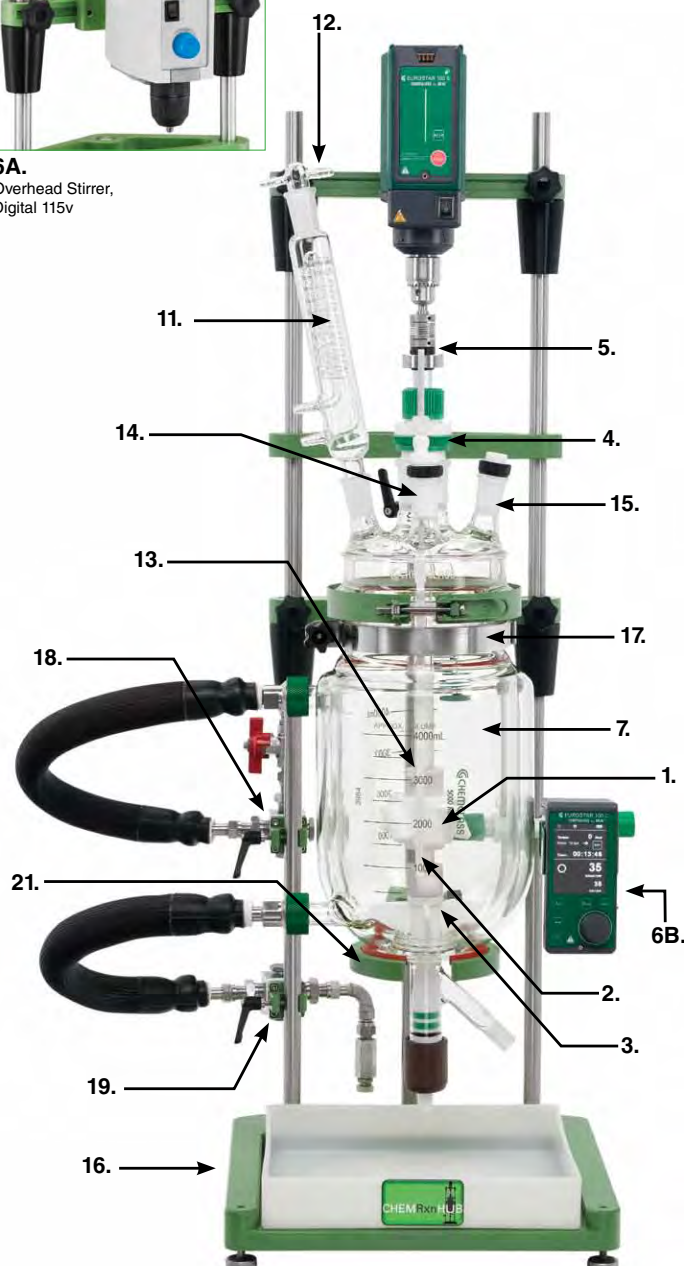
### Standard Components Supplied With Complete Chemrxnhub Systems:

No.	QTY	Part No.	Description
1	1	CG-2096-07	5" OD Agitator, 19mm, High Viscosity, PTFE
2	1	CG-2097-08	Stirring Shaft, 19mm, Polished
3	1	CG-2095-04	4" OD Agitator, 19mm, 60°, PTFE
4	1	CG-2077-G-24	45/50 Stirrer Bearing, PTFE
5	1	CG-2044-C-16	Compact Tru-Stir Stirrer Shaft Coupling, 19mm
6a	1	CG-2024-10	Digital Overhead Stirrer, 115v
6b	1	CG-2035-20	Overhead Stirrer, Removable Remote 115v
7	1	CG-1929-X18	2000mL Reaction Vessel, Jacketed
8	1	CG-1946-D-11	Lid, Reaction Vessel, 5-Neck, 150mm
9	1	CG-141-T-14	150mm Quick Release Clamp,
10	1	CG-147-77	O-Ring, FEP-encased Stainless, 150mm
11	1	CG-1213-J-01	Condenser, Coil, Reflux
12	1	CG-1064-01	Adapter, Inert Gas, 24/40, 2- Hose Conn. 180°
13	1	CG-1971-M-10	PTFE Jacketed S.S. Baffle, 410mm
14	1	CG-1971-M-20	24/40 Micro Baffle Adapter, PTFE
15	2	CG-3002-L-24	Stopper, PTFE, 24/40 with Loosening Ring
16	1	CG-1949-X-10	Reactor Support Frame, and LDPE Drip Tray
17	1	CG-1947-B150	S.S. Reactor Clamp, 150mm
18	1	CG-1969-X-12	Outlet Manifold Assembly (1949-X-2LM, -2DM Systems)
19	1	CG-1969-X-14	Inlet Manifold Assembly (1949-X-2LM, -2DM Systems)
20	2	CG-1969-V-10	30mm Flat Flange S.S. Jacket Adapter, 90°, M16 (1949-X-2L System only)
21	1	CG-1949-X-13	Reactor Lower Support



**6A.**  
Overhead Stirrer,  
Digital 115v

**Approx. Stand Dimensions:  
15.25 W x 17.25 D x 40" H**



# REACTORS, BENCHTOPS

## CG-1949-X-5L CHEMRXNHUB SYSTEM, JACKETED, 5000ML

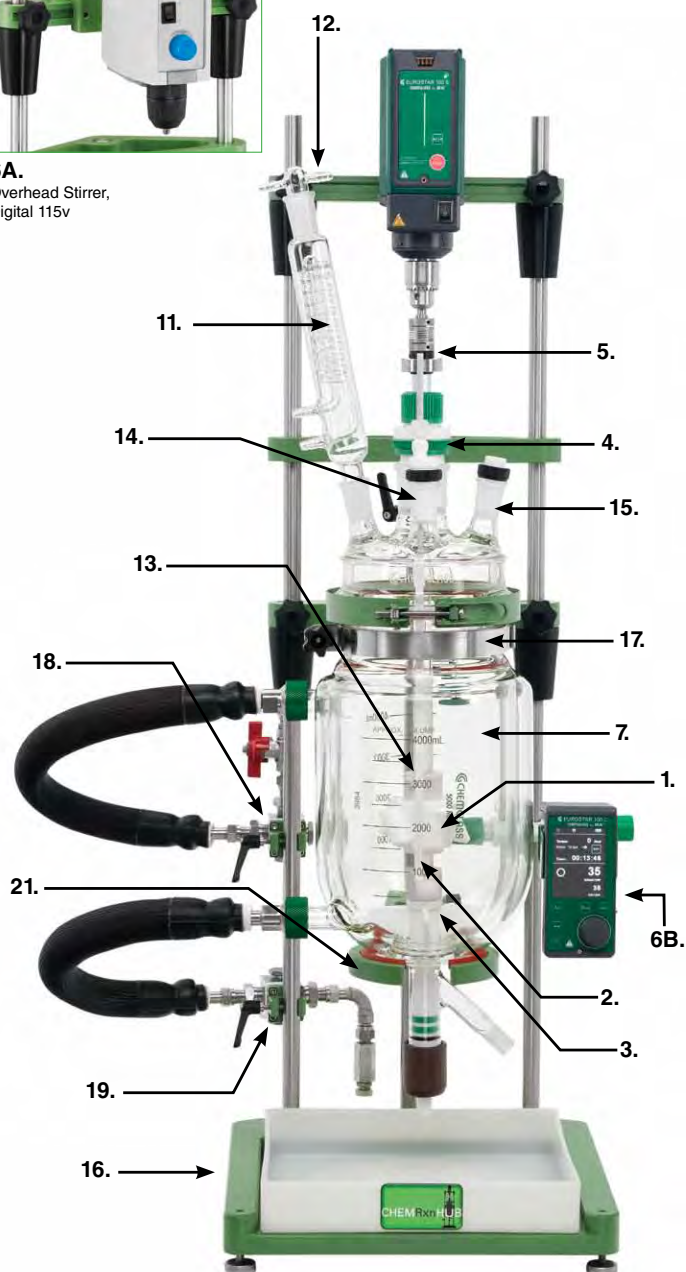
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Part Number	Description
CG-1949-X-5D	5000mL ChemRxnHub Process System, Complete w/Glassware & Stand, Digital Overhead
CG-1949-X-5L	5000mL ChemRxnHub Process System, Complete w/Glassware & Stand, Overhead with Removable Remote
CG-1949-X-5DM	5000mL ChemRxnHub Process System, Complete w/Glassware & Stand, Manifold/Drain System, Digital
CG-1949-X-5LM	5000mL ChemRxnHub Process System, Complete w/Glassware & Stand, Manifold/Drain System, Remote



**6A.**  
Overhead Stirrer,  
Digital 115v

**Approx. Stand Dimensions:  
15.25 W x 17.25 D x 40”H**



Standard Components Supplied With Complete Chemrxnhub Systems:			
No.	QTY	Part No.	Description
1	1	CG-2096-07	5" OD Agitator, 19mm, High Viscosity, PTFE
2	1	CG-2097-08	Stirring Shaft, 19mm, Polished
3	1	CG-2095-04	4" OD Agitator, 19mm, 60°, PTFE
4	1	CG-2077-G-24	45/50 Stirrer Bearing, PTFE
5	1	CG-2044-C-16	Compact Tru-Stir Stirrer Shaft Coupling, 19mm
6a	1	CG-2024-10	Digital Overhead Stirrer, 115v
6b	1	CG-2035-20	Overhead Stirrer, Removable Remote 115v
7	1	CG-1929-X28	5000mL Reaction Vessel, Jacketed
8	1	CG-1946-D-11	Lid, Reaction Vessel, 5-Neck, 150mm
9	1	CG-141-T-14	150mm Quick Release Clamp,
10	1	CG-147-77	O-Ring, FEP-encased Stainless, 150mm
11	1	CG-1213-J-01	Condenser, Coil, Reflux
12	1	CG-1064-01	Adapter, Inert Gas, 24/40, 2- Hose Conn. 180°
13	1	CG-1971-M-12	PTFE Jacketed S.S. Baffle, 515mm
14	1	CG-1971-M-20	24/40 Micro Baffle Adapter, PTFE
15	2	CG-3002-L-24	Stopper, PTFE, 24/40 with Loosening Ring
16	1	CG-1949-X-10	Reactor Support Frame, and LDPE Drip Tray
17	1	CG-1947-B150	S.S. Reactor Clamp, 150mm
18	1	CG-1969-X-12	Outlet Manifold Assembly (1949-X-5LM, -5DM Systems)
19	1	CG-1969-X-14	Inlet Manifold Assembly (1949-X-5LM-5DM Systems)
20	2	CG-1969-V-10	30mm Flat Flange S.S. Jacket Adapter, 90°, M16 (1949-X-5L System only)
21	1	CG-1949-X-13	Reactor Lower Support