

The following ACE heavy wall borosilicate glass Pressure Reactors have been designed and tested to provide the chemist with a system to perform low to moderate positive pressure reactions, synthesis, and catalysis; or simply to run reactions under inert gas conditions. Reactor capacities range from 500 mL to 5000 mL, and use Ace-Threds to achieve a leak-tight system.

Two types of Pressure Reactors are available:

1 – Two-Piece System, with a maximum pressure limit of 35psig @ 100°C

2 – One-Piece System, with a maximum pressure limit of 45psig @ 100°C

The **Two-Piece System** consists of a flanged flask and head with a shallow O-Ring groove, O-Ring, and quick-release clamp. Flange sizes range from 60 mm to 150 mm inside diameter, allowing the use of large agitators and facilitating product removal and clean-out.

The **One-Piece System** provides a #25 center opening, with smaller openings as side necks, and has a higher allowable operating pressure.

Both systems offer jacketed and unjacketed vessels, with or without bottom outlet valves. These jackets are heat-sealed. Complete systems and their components are listed on the following pages. Systems are available with:

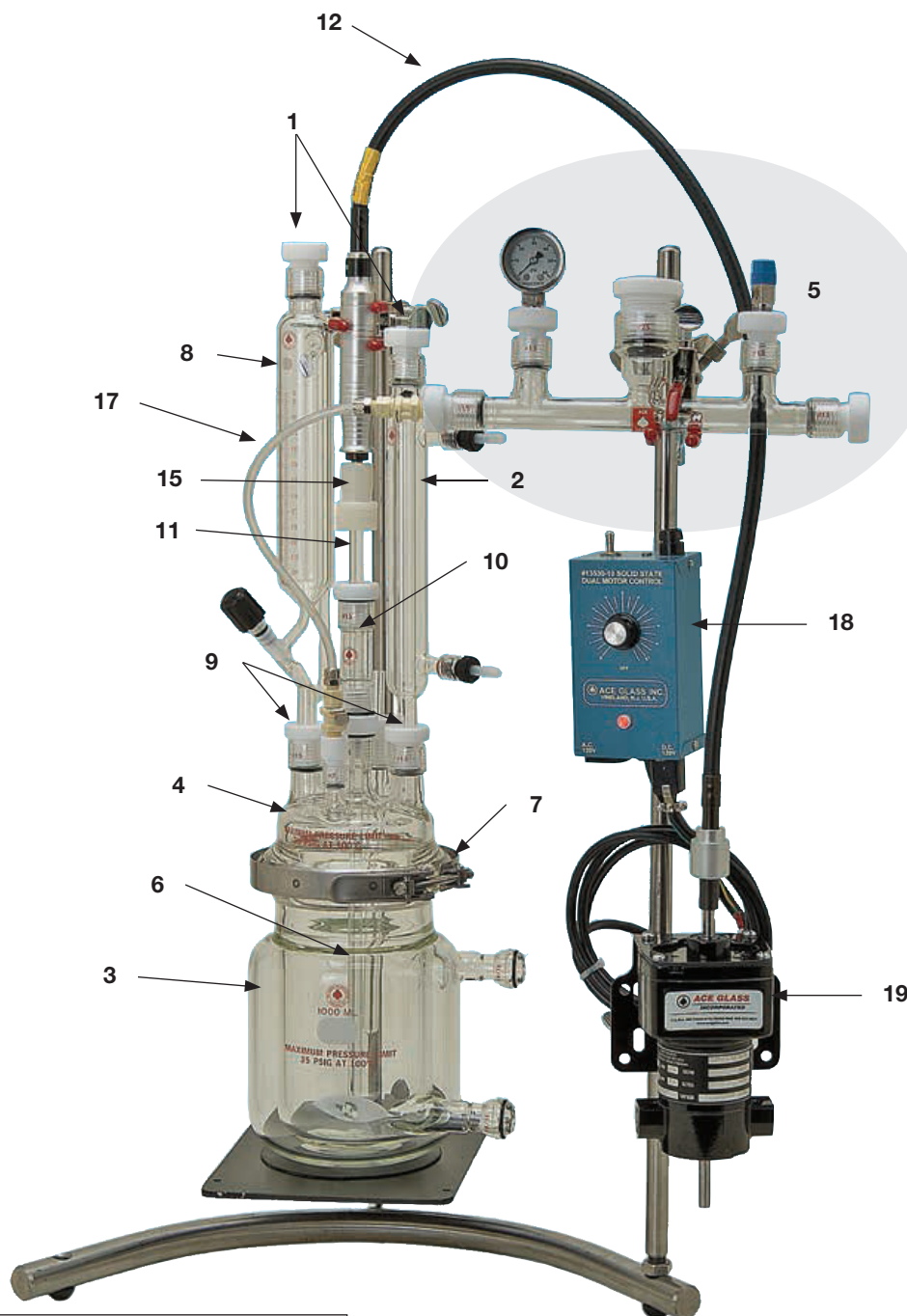
Due to varying conditions, ACE cannot guarantee glassware against breakage caused by pressure or vacuum.

- Liquid addition funnel
- Solid addition funnel
- Stirring motor, controller and flexible shaft
- Heating mantle and temperature control system
- Thermowell
- Moisture test receiver
- Temperature controller with thermocouple
- Pressure relief manifold
- Support

Safety is the foremost concern when operating pressurized glass reactors. With this in mind, ACE offers a separate manifold, 6448 (see photo), which MUST be used in conjunction with all pressure systems listed in this catalog. It consists of a glass manifold with Ace-Threds, PTFE adapters, a pressure gauge, a primary adjustable pressure release valve, and a secondary fixed pressure rupture disc. In addition, approved safety shields, eye and body protection should be used to avoid personal injury.

Jacketed Two-Piece Pressure Reactor

Two-piece systems with a maximum pressure limit of 35psig @ 100°C.



Stand (12841, 13568 or 13586), and Support Shelf (11173) not included. Shown without clamps for better visibility.

For safety, it is recommended that a pressure relief manifold be used on jacketed reactors.

No.	Complete System Components	Qty	Order Code	
500mL System (60mm Flange) ★				
6427-207				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 500mL, 60mm flange top	1	6427-09	♣
4	Head, 60mm, #15 center neck, three side necks	1	6433-23	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-04	♣
7	Clamp, 60mm, Quick-release	1	6517-22	★
8	Addition Funnel, 60mL	1	7299-06	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm wide	1	8082-02	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
18	Stirrer Motor Controller, Solid State	1	13530-10	★
19	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
20	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
500mL System (100mm Flange) ★				
6427-209				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 500mL, 100mm flange top	1	6427-13	♣
4	Head, 100mm, #15 center neck, four side necks	1	6433-35	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-10	♣
7	Clamp, 100mm, Quick-release	1	6517-25	★
8	Addition Funnel, 60mL	1	7299-06	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm wide	1	8082-04	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
18	Stirrer Motor Controller, Solid State	1	13530-10	★
19	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
20	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
1000mL System ★				
6427-212				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 1000mL, 100mm flange top	1	6427-16	♣
4	Head, 100mm, #15 center neck, four side necks	1	6433-35	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-14	♣
7	Clamp, 100mm, Quick-release	1	6517-25	★
8	Addition Funnel, 125mL	1	7299-12	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm wide	1	8082-04	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
18	Stirrer Motor Controller, Solid State	1	13530-10	★
19	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
20	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

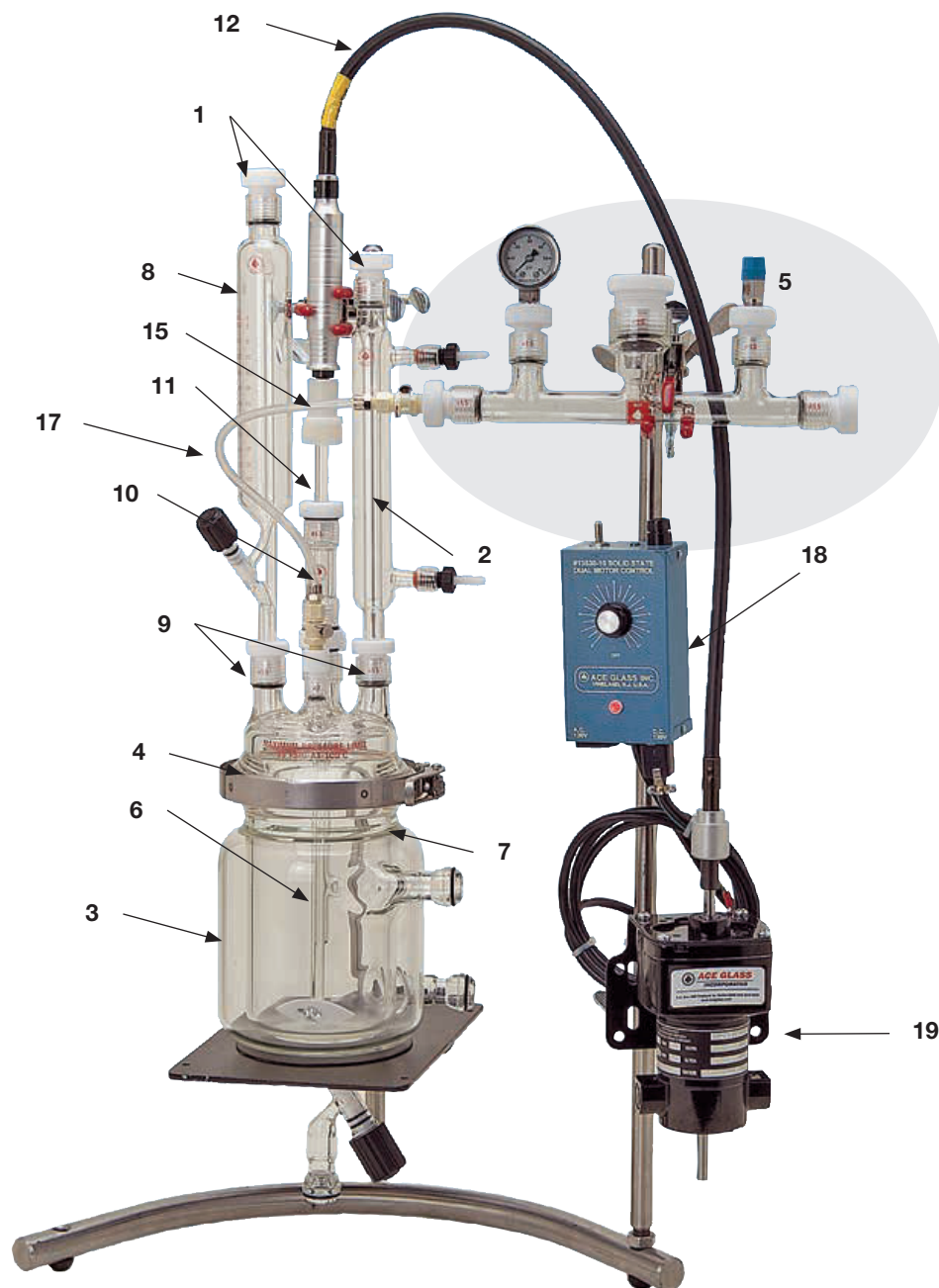
No.	Complete System Components	Qty	Order Code	
2000mL System ★				
6427-217				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 2000mL, 100mm flange top	1	6427-18	♣
4	Head, 100mm, #15 center neck, four side necks	1	6433-35	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-14	♣
7	Clamp, 100mm, Quick-release	1	6517-25	★
8	Addition Funnel, 150mL	1	7299-25	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm wide	1	8082-04	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
18	Stirrer Motor Controller, Solid State	1	13530-10	★
19	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
20	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
3000mL System ★				
6427-223				
1	#15 PTFE Plug	3	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 3000mL, 150mm flange top	1	6427-23	♣
4	Head, 150mm, #15 center neck, five side necks	1	6433-44	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-22	♣
7	Clamp, 150mm, Quick-release	1	6517-27	★
8	Addition Funnel, 150mL	1	7299-25	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 24mm wide	1	8082-06	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
18	Stirrer Motor Controller, Solid State	1	13530-10	★
19	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
20	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
5000mL System ★				
6427-228				
1	#15 PTFE Plug	3	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 5000mL, 150mm flange top	1	6427-26	♣
4	Head, 150mm, #15 center neck, five side necks	1	6433-44	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-24	♣
7	Clamp, 150mm, Quick-release	1	6517-27	★
8	Addition Funnel, 500mL	1	7299-34	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-14	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 24mm wide	1	8082-06	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
18	Stirrer Motor Controller, Solid State	1	13530-10	★
19	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
20	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

Jacketed Two-Piece Pressure Reactor w/Bottom Outlet

Two-piece systems with a maximum pressure limit of 35psig @ 100°C.



Stand (12841, 13568 or 13586), and Support Shelf (11173) not included. Shown without clamps for better visibility.

For safety, it is recommended that a pressure relief manifold be used on jacketed reactors.

No.	Complete System Components	Qty	Order Code	
500mL System (60mm Flange) ★				
			6429-229	
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 500mL, 60mm flange top, bottom outlet	1	6429-09	♣
4	Head, 60mm, #15 center neck, three side necks	1	6433-23	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-04	♣
7	Clamp, 60mm, Quick-release	1	6517-22	★
8	Addition Funnel, 60mL	1	7299-06	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm wide	1	8082-02	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
18	Stirrer Motor Controller, Solid State	1	13530-10	★
19	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
20	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
500mL System (100mm Flange) ★				
			6429-232	
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 500mL, 100mm flange top, bottom outlet	1	6429-14	♣
4	Head, 100mm, #15 center neck, four side necks	1	6433-35	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-10	♣
7	Clamp, 100mm, Quick-release	1	6517-25	★
8	Addition Funnel, 60mL	1	7299-06	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm wide	1	8082-04	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
18	Stirrer Motor Controller, Solid State	1	13530-10	★
19	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
20	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
1000mL System ★				
			6429-235	
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 1000mL, 100mm flange top, bottom outlet	1	6429-20	♣
4	Head, 100mm, #15 center neck, four side necks	1	6433-35	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-14	♣
7	Clamp, 100mm, Quick-release	1	6517-25	★
8	Addition Funnel, 125mL	1	7299-12	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm wide	1	8082-04	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
18	Stirrer Motor Controller, Solid State	1	13530-10	★
19	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
20	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

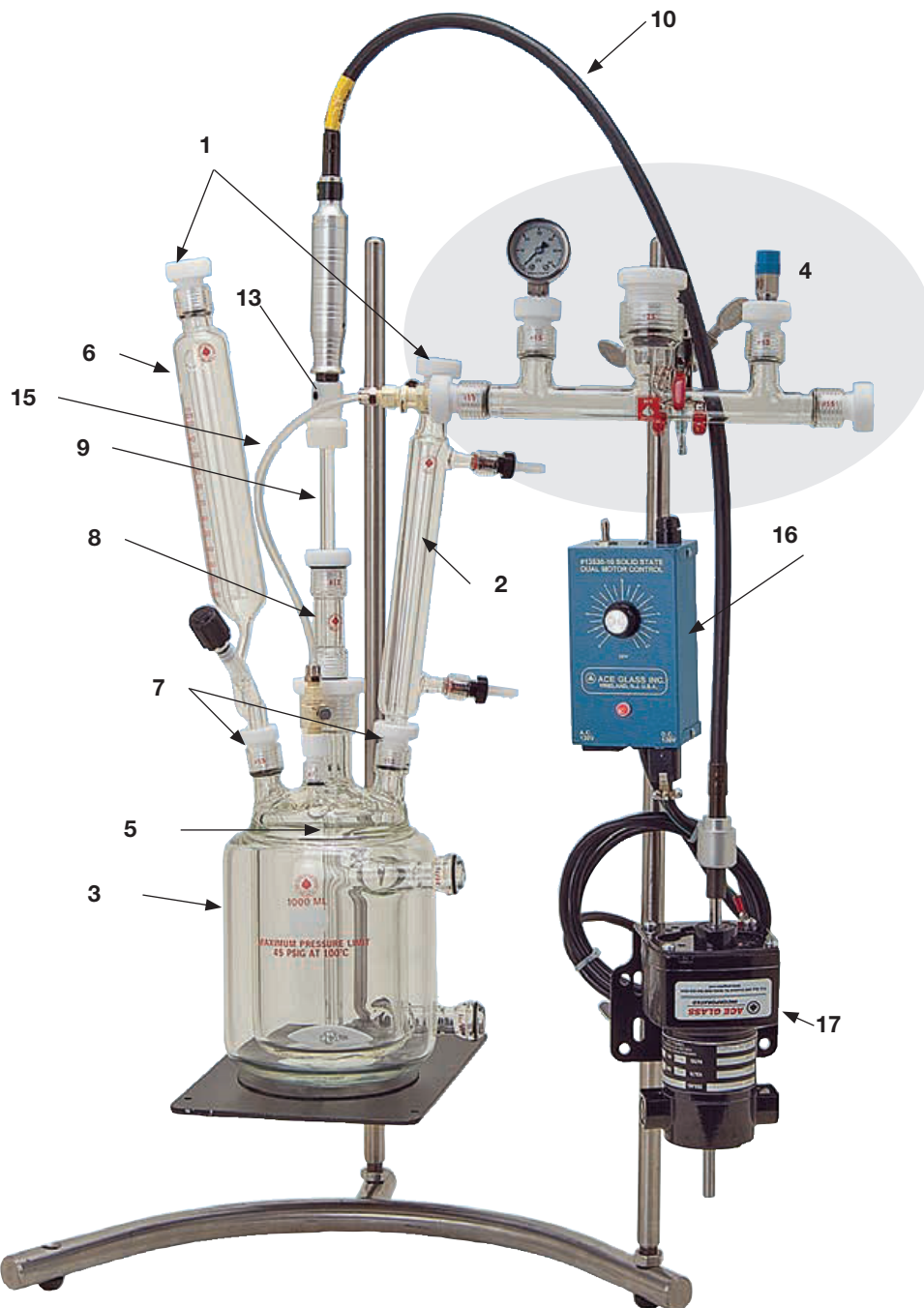
No.	Complete System Components	Qty	Order Code	
2000mL System ★				
			6429-237	
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 2000mL, 100mm flange top, bottom outlet	1	6429-24	♣
4	Head, 100mm, #15 center neck, four side necks	1	6433-35	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-14	♣
7	Clamp, 100mm, Quick-release	1	6517-25	★
8	Addition Funnel, 150mL	1	7299-25	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm wide	1	8082-04	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
18	Stirrer Motor Controller, Solid State	1	13530-10	★
19	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
20	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
3000mL System ★				
			6429-242	
1	#15 PTFE Plug	3	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 3000mL, 150mm flange top, bottom outlet	1	6429-28	♣
4	Head, 150mm, #15 center neck, five side necks	1	6433-44	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-22	♣
7	Clamp, 150mm, Quick-release	1	6517-27	★
8	Addition Funnel, 150mL	1	7299-25	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 24mm wide	1	8082-06	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
18	Stirrer Motor Controller, Solid State	1	13530-10	★
19	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
20	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
5000mL System ★				
			6429-245	
1	#15 PTFE Plug	3	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 5000mL, 150mm flange top, bottom outlet	1	6429-33	♣
4	Head, 150mm, #15 center neck, five side necks	1	6433-44	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-24	♣
7	Clamp, 150mm, Quick-release	1	6517-27	★
8	Addition Funnel, 500mL	1	7299-34	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-14	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 24mm wide	1	8082-06	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
18	Stirrer Motor Controller, Solid State	1	13530-10	★
19	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
20	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

Jacketed One-Piece Pressure Reactor

One-piece systems with a maximum pressure limit of 45psig @ 100°C.



Stand (12841, 13568 or 13586), and Support Shelf (11173) not included. Shown without clamps for better visibility.

For safety, it is recommended that a pressure relief manifold be used on jacketed reactors.

No.	Complete System Components	Qty	Order Code	
500mL System ★				
6438-240				
1	#15 PTFE Plug	2	5846-48	♠
2	West Condenser w/Ace-Threds	1	6024-20	♠
3	Flask, 500mL	1	6438-14	♠
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-41	♠
6	Addition Funnel, 60mL	1	7299-06	♠
7	#15 PTFE Bushing)	2	7506-27	♠
8	Bearing, complete, w/Ace-Threds	1	8044-55	♠
9	Stir Shaft, 10mm	1	8075-12	♠
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♠
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♠
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♠
15	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
16	Stirrer Motor Controller, Solid State	1	13530-10	★
17	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
18	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
1000mL System ★				
6438-247				
1	#15 PTFE Plug	2	5846-48	♠
2	West Condenser w/Ace-Threds	1	6024-20	♠
3	Flask, 1000mL	1	6438-17	♠
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-43	♠
6	Addition Funnel, 125mL	1	7299-12	♠
7	#15 PTFE Bushing	2	7506-27	♠
8	Bearing, complete, w/Ace-Threds	1	8044-55	♠
9	Stir Shaft, 10mm	1	8075-12	♠
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♠
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♠
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♠
15	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
16	Stirrer Motor Controller, Solid State	1	13530-10	★
17	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
18	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

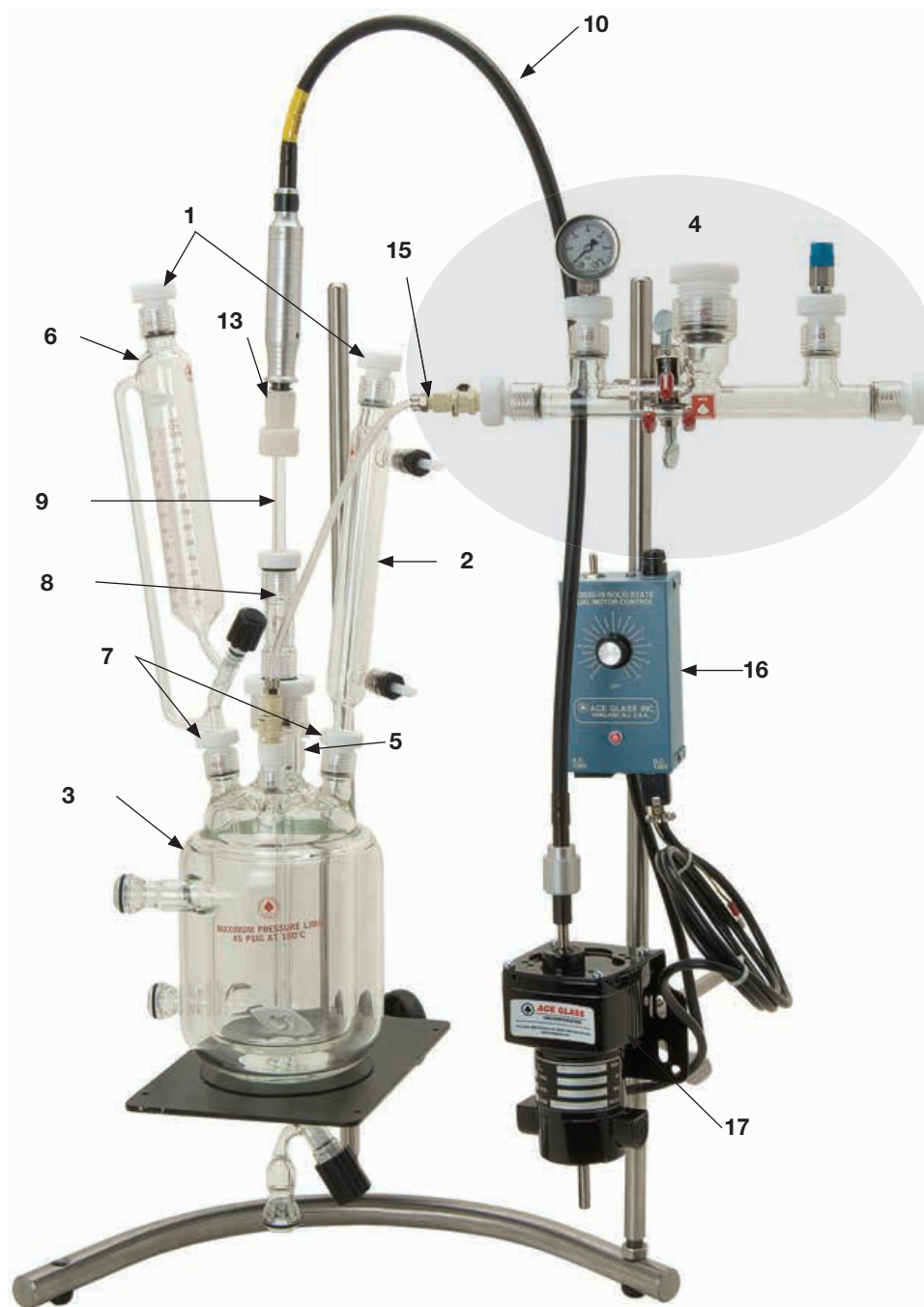
No.	Complete System Components	Qty	Order Code	
2000mL System ★				
6438-250				
1	#15 PTFE Plug	2	5846-48	♠
2	West Condenser w/Ace-Threds	1	6024-20	♠
3	Flask, 2000mL	1	6438-19	♠
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-43	♠
6	Addition Funnel, 150mL	1	7299-25	♠
7	#15 PTFE Bushing	2	7506-27	♠
8	Bearing, complete, w/Ace-Threds	1	8044-55	♠
9	Stir Shaft, 10mm	1	8075-12	♠
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♠
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♠
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♠
15	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
16	Stirrer Motor Controller, Solid State	1	13530-10	★
17	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
18	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
3000mL System ★				
6438-253				
1	#15 PTFE Plug	3	5846-48	♠
2	West Condenser w/Ace-Threds	1	6024-20	♠
3	Flask, 3000mL	1	6438-24	♠
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-47	♠
6	Addition Funnel, 150mL	1	7299-25	♠
7	#15 PTFE Bushing	2	7506-27	♠
8	Bearing, complete, w/Ace-Threds	1	8044-55	♠
9	Stir Shaft, 10mm	1	8075-12	♠
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♠
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♠
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♠
15	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
16	Stirrer Motor Controller, Solid State	1	13530-10	★
17	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
18	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
5000mL System ★				
6438-255				
1	#15 PTFE Plug	3	5846-48	♠
2	West Condenser w/Ace-Threds	1	6024-20	♠
3	Flask, 5000mL	1	6438-29	♠
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-49	♠
6	Addition Funnel, 500mL	1	7299-34	♠
7	#15 PTFE Bushing	2	7506-27	♠
8	Bearing, complete, w/Ace-Threds	1	8044-55	♠
9	Stir Shaft, 10mm	1	8075-14	♠
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♠
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♠
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♠
15	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
16	Stirrer Motor Controller, Solid State	1	13530-10	★
17	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
18	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

Jacketed One-Piece Pressure Reactor w/Bottom Outlet

One-piece systems with a maximum pressure limit of 45psig @ 100°C.



Stand (12841, 13568 or 13586), and Support Shelf (11173) not included. Shown without clamps for better visibility.

For safety, it is recommended that a pressure relief manifold be used on jacketed reactors.

No.	Complete System Components	Qty	Order Code	
500mL System ★				
6439-243				
1	#15 PTFE Plug	2	5846-48	♠
2	West Condenser w/Ace-Threds	1	6024-20	♠
3	Flask, 500mL w/bottom outlet	1	6439-15	♠
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-41	♠
6	Addition Funnel, 60mL	1	7299-06	♠
7	#15 PTFE Bushing	2	7506-27	♠
8	Bearing, complete, w/Ace-Threds	1	8044-55	♠
9	Stir Shaft, 10mm	1	8075-12	♠
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♠
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♠
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♠
15	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
16	Stirrer Motor Controller, Solid State	1	13530-10	★
17	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
18	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
1000mL System ★				
6439-248				
1	#15 PTFE Plug	2	5846-48	♠
2	West Condenser w/Ace-Threds	1	6024-20	♠
3	Flask, 1000mL w/bottom outlet	1	6439-21	♠
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-43	♠
6	Addition Funnel, 125mL	1	7299-12	♠
7	#15 PTFE Bushing	2	7506-27	♠
8	Bearing, complete, w/Ace-Threds	1	8044-55	♠
9	Stir Shaft, 10mm	1	8075-12	♠
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♠
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♠
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♠
15	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
16	Stirrer Motor Controller, Solid State	1	13530-10	★
17	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
18	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

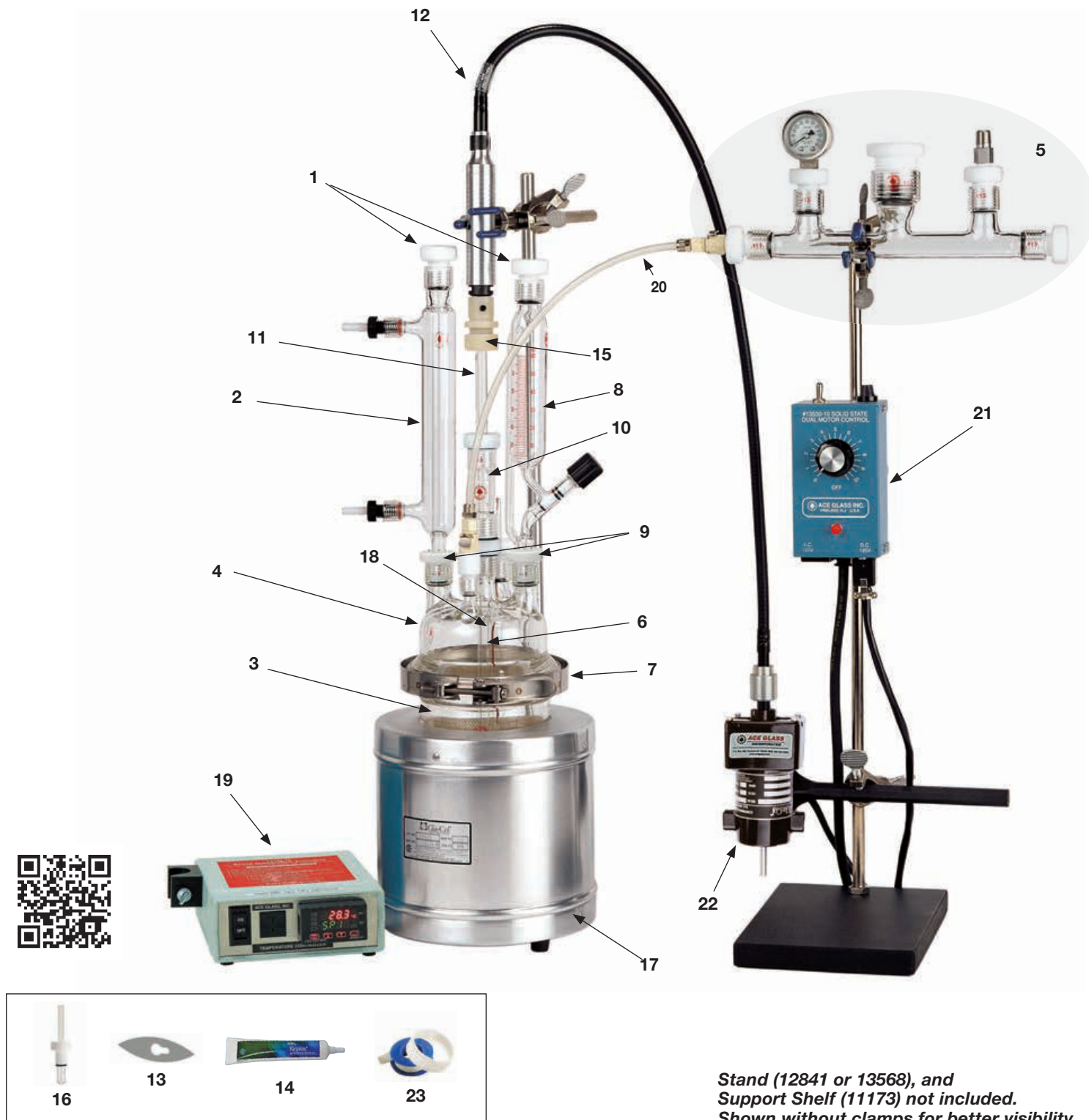
No.	Complete System Components	Qty	Order Code	
2000mL System ★				
6439-252				
1	#15 PTFE Plug	2	5846-48	♠
2	West Condenser w/Ace-Threds	1	6024-20	♠
3	Flask, 2000mL w/bottom outlet	1	6439-25	♠
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-43	♠
6	Addition Funnel, 150mL	1	7299-25	♠
7	#15 PTFE Bushing	2	7506-27	♠
8	Bearing, complete, w/Ace-Threds	1	8044-55	♠
9	Stir Shaft, 10mm	1	8075-12	♠
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♠
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♠
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♠
15	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
16	Stirrer Motor Controller, Solid State	1	13530-10	★
17	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
18	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
3000mL System ★				
6439-254				
1	#15 PTFE Plug	3	5846-48	♠
2	West Condenser w/Ace-Threds	1	6024-20	♠
3	Flask, 3000mL w/bottom outlet	1	6439-29	♠
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-47	♠
6	Addition Funnel, 150mL	1	7299-25	♠
7	#15 PTFE Bushing	2	7506-27	♠
8	Bearing, complete, w/Ace-Threds	1	8044-55	♠
9	Stir Shaft, 10mm	1	8075-12	♠
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♠
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♠
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♠
15	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
16	Stirrer Motor Controller, Solid State	1	13530-10	★
17	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
18	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
5000mL System ★				
6439-257				
1	#15 PTFE Plug (Complete contains THREE)	3	5846-48	♠
2	West Condenser w/Ace-Threds	1	6024-20	♠
3	Flask, 5000mL w/bottom outlet	1	6439-34	♠
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-49	♠
6	Addition Funnel, 500mL	1	7299-34	♠
7	#15 PTFE Bushing (Complete contains TWO)	2	7506-27	♠
8	Bearing, complete, w/Ace-Threds	1	8044-55	♠
9	Stir Shaft, 10mm	1	8075-14	♠
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♠
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♠
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♠
15	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
16	Stirrer Motor Controller, Solid State	1	13530-10	★
17	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
18	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

Unjacketed Two-Piece Pressure Reactor

Two-piece systems with a maximum pressure limit of 35psig @ 100°C.



For safety, it is recommended that a pressure relief manifold be used on jacketed reactors.

No.	Complete System Components	Qty	Order Code	
500mL System (60mm Flange) ★				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 500mL, 60mm flange top	1	6423-05	♣
4	Head, 60mm, #15 center neck, (3) side necks	1	6433-23	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-04	♣
7	Clamp, 60mm, Quick-release	1	6517-22	★
8	Addition Funnel, 60mL	1	7299-06	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm	1	8082-02	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Aluminum Heating Mantle	1	12058-03	♣
18	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
19	Digital Temperature Controller, "J" output	1	12125-14	★
20	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
21	Stirrer Motor Controller, Solid State	1	13530-10	★
22	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
23	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
500mL System (100mm Flange) ★				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 500mL, 100mm flange top	1	6423-07	♣
4	Head, 100mm, #15 center neck, (4) side necks	1	6433-35	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-10	♣
7	Clamp, 100mm, Quick-release	1	6517-25	★
8	Addition Funnel, 60mL	1	7299-06	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm	1	8082-04	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Aluminum Heating Mantle	1	12058-07	♣
18	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
19	Digital Temperature Controller, "J" output	1	12125-14	★
20	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
21	Stirrer Motor Controller, Solid State	1	13530-10	★
22	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
23	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
1000mL System ★				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 1000mL, 100mm flange top	1	6423-10	♣
4	Head, 100mm, #15 center neck, (4) side necks	1	6433-35	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-14	♣
7	Clamp, 100mm, Quick-release	1	6517-25	★
8	Addition Funnel, 125mL	1	7299-12	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm	1	8082-04	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Aluminum Heating Mantle	1	12058-12	♣
18	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
19	Digital Temperature Controller, "J" output	1	12125-14	★
20	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
21	Stirrer Motor Controller, Solid State	1	13530-10	★
22	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
23	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

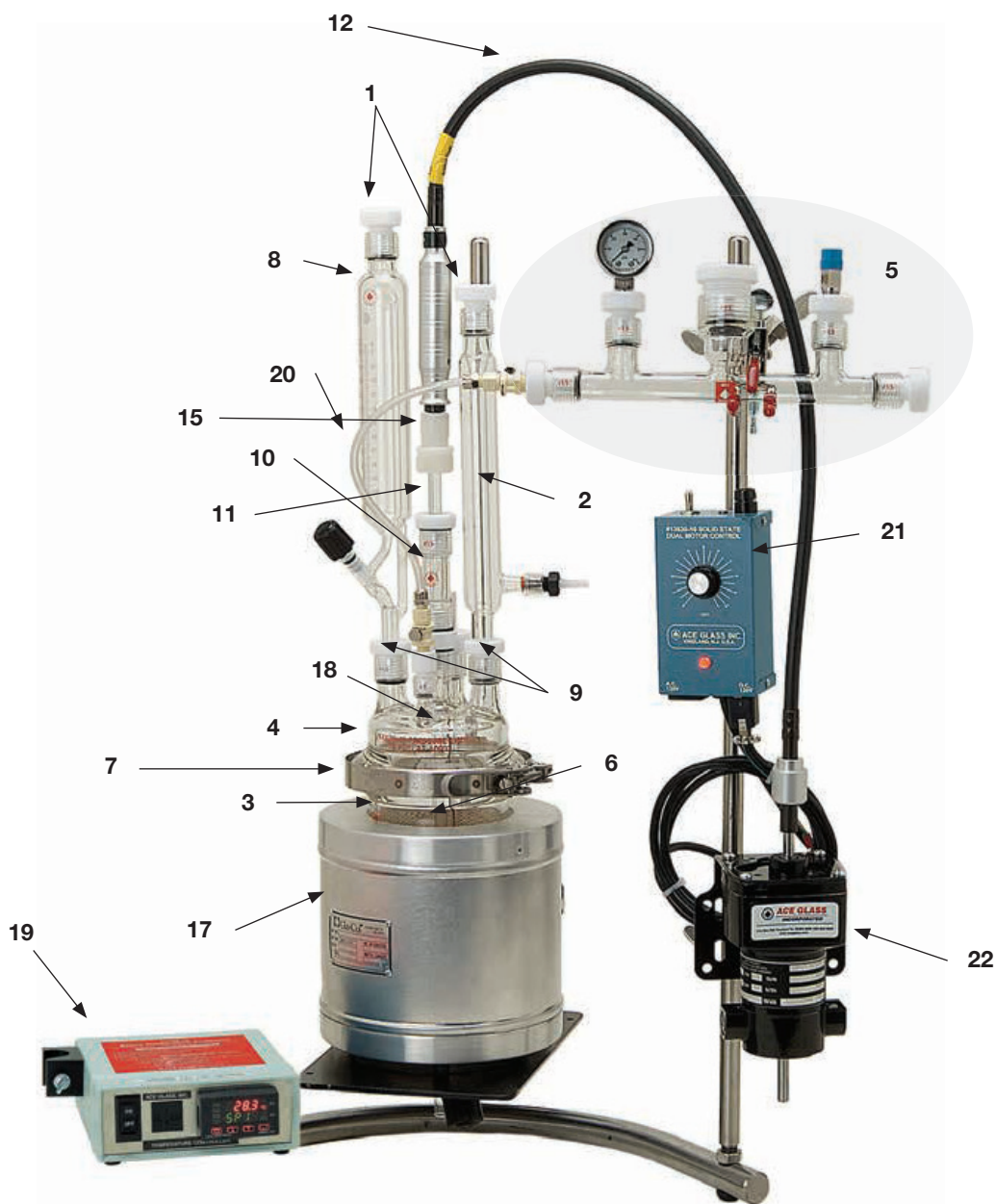
No.	Complete System Components	Qty	Order Code	
2000mL System ★				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 2000mL, 100mm flange top	1	6423-20	♣
4	Head, 100mm, #15 center neck, (4) side necks	1	6433-35	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-14	♣
7	Clamp, 100mm, Quick-release	1	6517-25	★
8	Addition Funnel, 250mL	1	7299-25	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm	1	8082-04	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Aluminum Heating Mantle	1	12058-16	♣
18	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
19	Digital Temperature Controller, "J" output	1	12125-14	★
20	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
21	Stirrer Motor Controller, Solid State	1	13530-10	★
22	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
23	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
3000mL System ★				
1	#15 PTFE Plug	3	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 3000mL, 150mm flange top	1	6423-30	♣
4	Head, 150mm, #15 center neck, (5) side necks	1	6433-44	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-22	♣
7	Clamp, 150mm, Quick-release	1	6517-27	★
8	Addition Funnel, 250mL	1	7299-25	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm	1	8082-06	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Aluminum Heating Mantle	1	12058-30	♣
18	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
19	Digital Temperature Controller, "J" output	1	12125-14	★
20	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
21	Stirrer Motor Controller, Solid State	1	13530-10	★
22	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
23	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
5000mL System ★				
1	#15 PTFE Plug	3	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 5000mL, 100mm flange top	1	6423-35	♣
4	Head, 150mm, #15 center neck, (5) side necks	1	6433-44	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-24	♣
7	Clamp, 150mm, Quick-release	1	6517-27	★
8	Addition Funnel, 500mL	1	7299-34	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-14	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm	1	8082-06	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Aluminum Heating Mantle	1	12058-33	♣
18	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
19	Digital Temperature Controller, "J" output	1	12125-14	★
20	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
21	Stirrer Motor Controller, Solid State	1	13530-10	★
22	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
23	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

Unjacketed Two-Piece Pressure Reactor w/Bottom Outlet

Two-piece systems with a maximum pressure limit of 35psig @ 100°C.



Stand (12841, 13568 or 13586), and Support Shelf (11173) not included. Shown without clamps for better visibility.

For safety, it is recommended that a pressure relief manifold be used on jacketed reactors.

No.	Complete System Components	Qty	Order Code	
500mL System (60mm Flange) ★				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 500mL, 60mm flange top w/bottom outlet	1	6425-04	♣
4	Head, 60mm, #15 center neck, (3) side necks	1	6433-23	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-04	♣
7	Clamp, 60mm, Quick-release	1	6517-22	★
8	Addition Funnel, 60mL	1	7299-06	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm wide	1	8082-02	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Aluminum Heating Mantle	1	12058-44	♣
18	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
19	Digital Temperature Controller, "J" output	1	12125-14	★
20	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
21	Stirrer Motor Controller, Solid State	1	13530-10	★
22	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
23	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

500mL System (100mm Flange) ★				
No.	Complete System Components	Qty	Order Code	
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 500mL, 100mm flange top w/bottom outlet	1	6425-06	♣
4	Head, 100mm, #15 center neck, (4) side necks	1	6433-35	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-10	♣
7	Clamp, 100mm, Quick-release	1	6517-25	★
8	Addition Funnel, 60mL	1	7299-06	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm wide	1	8082-04	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Aluminum Heating Mantle	1	12058-47	♣
18	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
19	Digital Temperature Controller, "J" output	1	12125-14	★
20	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
21	Stirrer Motor Controller, Solid State	1	13530-10	★
22	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
23	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

1000mL System ★				
No.	Complete System Components	Qty	Order Code	
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 1000mL, 100mm flange top w/bottom outlet	1	6425-12	♣
4	Head, 100mm, #15 center neck, (4) side necks	1	6433-35	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-14	♣
7	Clamp, 100mm, Quick-release	1	6517-25	★
8	Addition Funnel, 125mL	1	7299-12	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm wide	1	8082-04	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Aluminum Heating Mantle	1	12058-49	♣
18	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
19	Digital Temperature Controller, "J" output	1	12125-14	★
20	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
21	Stirrer Motor Controller, Solid State	1	13530-10	★
22	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
23	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

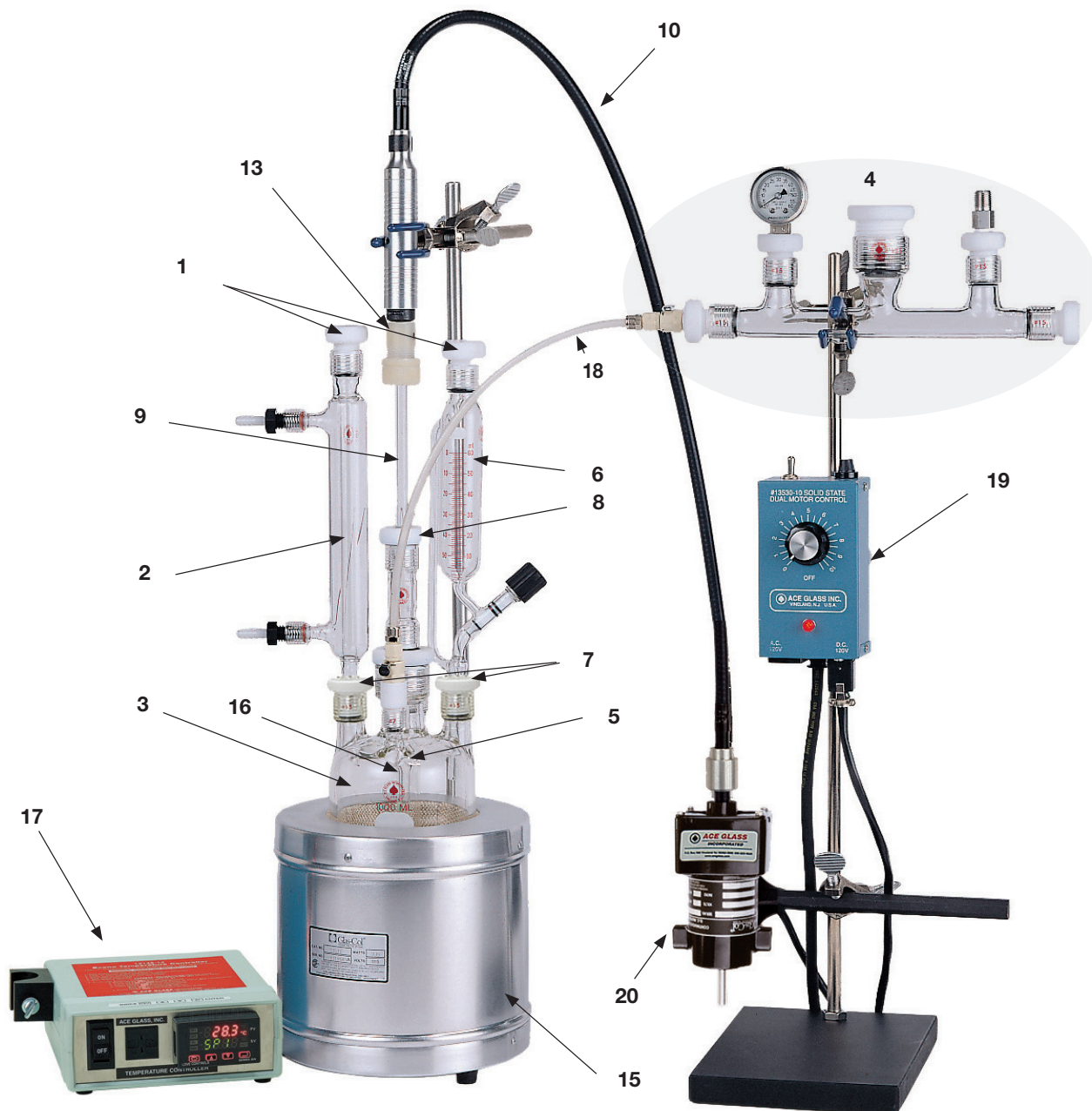
No.	Complete System Components	Qty	Order Code	
2000mL System ★				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 2000mL, 100mm flange top w/bottom outlet	1	6425-15	♣
4	Head, 100mm, #15 center neck, (4) side necks	1	6433-35	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-14	♣
7	Clamp, 100mm, Quick-release	1	6517-25	★
8	Addition Funnel, 250mL	1	7299-25	♣
9	#15 PTFE Bushing (Complete contains TWO)	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 19mm wide	1	8082-04	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Aluminum Heating Mantle	1	12058-51	♣
18	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
19	Digital Temperature Controller, "J" output	1	12125-14	★
20	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
21	Stirrer Motor Controller, Solid State	1	13530-10	★
22	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
23	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

3000mL System ★				
No.	Complete System Components	Qty	Order Code	
1	#15 PTFE Plug	3	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 3000mL, 150mm flange top w/bottom outlet	1	6425-19	♣
4	Head, 150mm, #15 center neck, (5) side necks	1	6433-44	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-22	♣
7	Clamp, 150mm, Quick-release	1	6517-27	★
8	Addition Funnel, 250mL	1	7299-25	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-12	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 24mm wide	1	8082-06	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Aluminum Heating Mantle	1	12058-53	♣
18	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
19	Digital Temperature Controller, "J" output	1	12125-14	★
20	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
21	Stirrer Motor Controller, Solid State	1	13530-10	★
22	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
23	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

5000mL System ★				
No.	Complete System Components	Qty	Order Code	
1	#15 PTFE Plug	3	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 5000mL, 150mm flange top w/bottom outlet	1	6425-23	♣
4	Head, 150mm, #15 center neck, (5) side necks	1	6433-44	♣
5	Pressure Reactor Manifold, complete	1	6448-54	★
6	Thermowell	1	6471-24	♣
7	Clamp, 150mm, Quick-release	1	6517-27	★
8	Addition Funnel, 500mL	1	7299-34	♣
9	#15 PTFE Bushing	2	7506-27	♣
10	Bearing, complete, w/Ace-Threds	1	8044-24	♣
11	Stir Shaft, 10mm	1	8075-14	♣
12	Flexible Shaft, complete, 91.4cm	1	8081-30	★
13	Stirrer Blade, PTFE, 24mm wide	1	8082-06	♣
14	Krytox® High Vacuum Grease	1	8116-10	★
15	Swivel Coupling	1	8126-10	♣
16	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
17	Aluminum Heating Mantle	1	12058-55	♣
18	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
19	Digital Temperature Controller, "J" output	1	12125-14	★
20	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
21	Stirrer Motor Controller, Solid State	1	13530-10	★
22	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	★
23	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

Unjacketed One-Piece Pressure Reactor

One-piece systems with a maximum pressure limit of 45psig @ 100°C.



Stand (12841 or 13568), and Support Shelf (11173) not included. Shown without clamps for better visibility.

For safety, it is recommended that a pressure relief manifold be used on jacketed reactors.

No.	Complete System Components	Qty	Order Code	
500mL System ★				
6436-233				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 500mL	1	6436-06	♣
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-41	♣
6	Addition Funnel, 60mL	1	7299-06	♣
7	#15 PTFE Bushing	2	7506-27	♣
8	Bearing, complete, w/Ace-Threds	1	8044-55	♣
9	Stir Shaft, 10mm	1	8075-12	♣
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♣
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♣
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
15	Aluminum Heating Mantle	1	12058-07	
16	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
17	Digital Temperature Controller, "J" output	1	12125-14	★
18	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
19	Stirrer Motor Controller, Solid State	1	13530-10	★
20	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	
21	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
1000mL System ★				
6436-236				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 1000mL	1	6436-09	♣
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-43	♣
6	Addition Funnel, 125mL	1	7299-12	♣
7	#15 PTFE Bushing	2	7506-27	♣
8	Bearing, complete, w/Ace-Threds	1	8044-55	♣
9	Stir Shaft, 10mm	1	8075-12	♣
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♣
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♣
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
15	Aluminum Heating Mantle	1	12058-12	
16	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
17	Digital Temperature Controller, "J" output	1	12125-14	★
18	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
19	Stirrer Motor Controller, Solid State	1	13530-10	★
20	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	
21	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

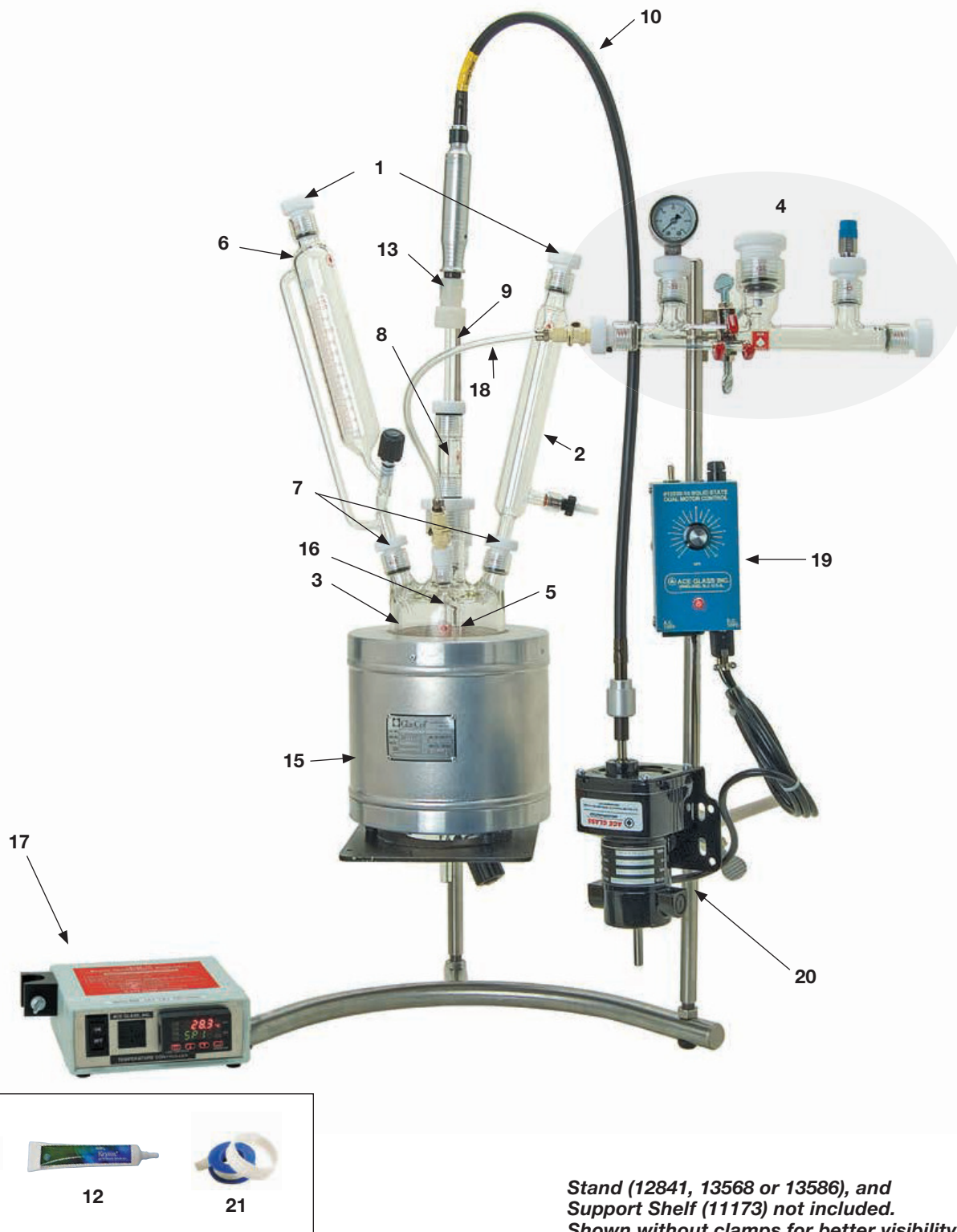
No.	Complete System Components	Qty	Order Code	
2000mL System ★				
6436-239				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 2000mL	1	6436-22	♣
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-43	♣
6	Addition Funnel, 150mL	1	7299-25	♣
7	#15 PTFE Bushing	2	7506-27	♣
8	Bearing, complete, w/Ace-Threds	1	8044-55	♣
9	Stir Shaft, 10mm	1	8075-12	♣
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♣
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♣
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
15	Aluminum Heating Mantle	1	12058-16	
16	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
17	Digital Temperature Controller, "J" output	1	12125-14	★
18	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
19	Stirrer Motor Controller, Solid State	1	13530-10	★
20	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	
21	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
3000mL System ★				
6436-243				
1	#15 PTFE Plug	3	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 3000mL	1	6436-31	♣
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-47	♣
6	Addition Funnel, 150mL	1	7299-25	♣
7	#15 PTFE Bushing	2	7506-27	♣
8	Bearing, complete, w/Ace-Threds	1	8044-55	♣
9	Stir Shaft, 10mm	1	8075-12	♣
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♣
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♣
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
15	Aluminum Heating Mantle	1	12058-30	
16	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
17	Digital Temperature Controller, "J" output	1	12125-14	★
18	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
19	Stirrer Motor Controller, Solid State	1	13530-10	★
20	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	
21	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
5000mL System ★				
6436-245				
1	#15 PTFE Plug (Complete contains THREE)	3	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 5000mL	1	6436-37	♣
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-49	♣
6	Addition Funnel, 500mL	1	7299-34	♣
7	#15 PTFE Bushing (Complete contains TWO)	2	7506-27	♣
8	Bearing, complete, w/Ace-Threds	1	8044-55	♣
9	Stir Shaft, 10mm	1	8075-14	♣
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♣
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♣
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
15	Aluminum Heating Mantle	1	12058-33	
16	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
17	Digital Temperature Controller, "J" output	1	12125-14	★
18	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
19	Stirrer Motor Controller, Solid State	1	13530-10	★
20	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	
21	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

Unjacketed One-Piece Pressure Reactor w/Bottom Outlet

One-piece systems with a maximum pressure limit of 45psig @ 100°C.



Stand (12841, 13568 or 13586), and Support Shelf (11173) not included. Shown without clamps for better visibility.

For safety, it is recommended that a pressure relief manifold be used on jacketed reactors.

No.	Complete System Components	Qty	Order Code	
500mL System ★				
6437-235				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 500mL	1	6437-07	♣
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-41	♣
6	Addition Funnel, 60mL	1	7299-06	♣
7	#15 PTFE Bushing	2	7506-27	♣
8	Bearing, complete, w/Ace-Threds	1	8044-55	♣
9	Stir Shaft, 10mm	1	8075-12	♣
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♣
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♣
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
15	Aluminum Heating Mantle	1	12058-47	
16	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
17	Digital Temperature Controller, "J" output	1	12125-14	★
18	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
19	Stirrer Motor Controller, Solid State	1	13530-10	★
20	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	
21	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
1000mL System ★				
6437-238				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 1000mL	1	6437-13	♣
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-43	♣
6	Addition Funnel, 125mL	1	7299-12	♣
7	#15 PTFE Bushing	2	7506-27	♣
8	Bearing, complete, w/Ace-Threds	1	8044-55	♣
9	Stir Shaft, 10mm	1	8075-12	♣
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♣
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♣
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
15	Aluminum Heating Mantle	1	12058-49	
16	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
17	Digital Temperature Controller, "J" output	1	12125-14	★
18	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
19	Stirrer Motor Controller, Solid State	1	13530-10	★
20	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	
21	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
2000mL System ★				
6437-241				
1	#15 PTFE Plug	2	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 2000mL	1	6437-16	♣
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-43	♣
6	Addition Funnel, 150mL	1	7299-25	♣
7	#15 PTFE Bushing	2	7506-27	♣
8	Bearing, complete, w/Ace-Threds	1	8044-55	♣
9	Stir Shaft, 10mm	1	8075-12	♣
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♣
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♣
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
15	Aluminum Heating Mantle	1	12058-51	
16	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
17	Digital Temperature Controller, "J" output	1	12125-14	★
18	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
19	Stirrer Motor Controller, Solid State	1	13530-10	★
20	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	
21	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
3000mL System ★				
6437-244				
1	#15 PTFE Plug	3	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 3000mL	1	6437-20	♣
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-47	♣
6	Addition Funnel, 150mL	1	7299-25	♣
7	#15 PTFE Bushing	2	7506-27	♣
8	Bearing, complete, w/Ace-Threds	1	8044-55	♣
9	Stir Shaft, 10mm	1	8075-12	♣
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♣
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♣
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
15	Aluminum Heating Mantle	1	12058-53	
16	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
17	Digital Temperature Controller, "J" output	1	12125-14	★
18	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
19	Stirrer Motor Controller, Solid State	1	13530-10	★
20	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	
21	PTFE Sealing Tape, 1/2" Width	1	14120-18	★

No.	Complete System Components	Qty	Order Code	
5000mL System ★				
6437-246				
1	#15 PTFE Plug (Complete contains THREE)	3	5846-48	♣
2	West Condenser w/Ace-Threds	1	6024-20	♣
3	Flask, 5000mL	1	6437-24	♣
4	Pressure Reactor Manifold, complete	1	6448-68	★
5	Thermowell	1	6471-49	♣
6	Addition Funnel, 500mL	1	7299-34	♣
7	#15 PTFE Bushing (Complete contains TWO)	2	7506-27	♣
8	Bearing, complete, w/Ace-Threds	1	8044-55	♣
9	Stir Shaft, 10mm	1	8075-14	♣
10	Flexible Shaft, complete, 91.4cm	1	8081-30	★
11	Stirrer Blade, PTFE, 19mm	1	8082-04	♣
12	Krytox® High Vacuum Grease	1	8116-10	★
13	Swivel Coupling	1	8126-10	♣
14	Bushing, PTFE, #15 w/O-ring	1	8648-19	♣
15	Aluminum Heating Mantle	1	12058-55	
16	Type "J" Thermocouple Sensor, PTFE-clad	1	12110-25	★
17	Digital Temperature Controller, "J" output	1	12125-14	★
18	Polypropylene Tubing, 1/4" OD x 0.170" ID	1	12681-110	★
19	Stirrer Motor Controller, Solid State	1	13530-10	★
20	Stirrer Motor w/Mounting Rod, Solid State	1	13649-09	
21	PTFE Sealing Tape, 1/2" Width	1	14120-18	★