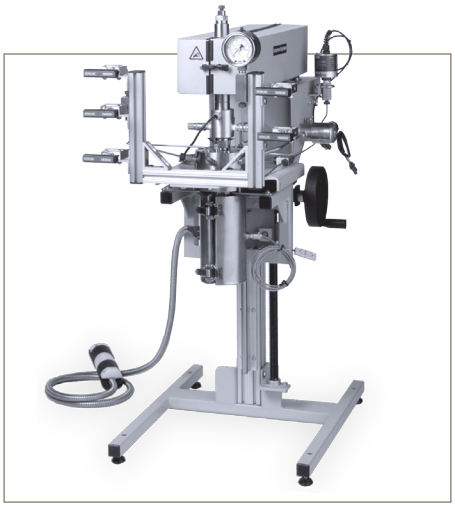
ZipperClave®

Stirred Reactors Ordering Guide

500, 1,000, 2,000, and 4,000 ml



Ordering Guide:

Volume			
Z	0	5	0
Base Reactor			

Pressure Vessel						
S	S	B	1	2	3	1
A		B	C	D	E	F

MagneDrive				
A	1	1	1	A
G	H	J	K	L

Internal Accessories			
1	1	0	1
M	N	O	P

External Accessories				
1	D	1	1	0
R	S	T	U	V

Part Number Example: **Z050SSB1231A111A11011D110** (example selections indicated in yellow below)

Base Reactor

Base Reactors	
Z050	500 ml Zipperclave Reactor
Z100	1,000 ml Zipperclave Reactor
Z200	2,000 ml Zipperclave Reactor
Z400	4,000 ml Zipperclave Reactor

Pressure Vessel

A - Vessel Material	
SS	316 Stainless Steel
HC	Hastelloy® C-276 [1]

B - O-ring Seal Material	
B	Nitrile (Max. Temp. 250°F/121°C) [2]
C	Ethylene-Propylene (Max. Temp. 300°F/149°C) [2]
D	PTFE (PTFE Encapsulated FKM) (Max. Temp. 400°F / 204°C) [2]
E	FKM (Max. Temp. 450°F /232°C) [2]
F	Silicone (Max. Temp. 400°F /204°C) [2]
G	Kalrez® [3] (Max. Temp. 500°F /260°C) [2]

C - Body Bottom Connection	
0	None (No Connection)
1	1/2" Port Manual valve (requires Floor Stand) [4]
2	AE "Flat Bottom" Connection

D - Approvals Available [10]	
0	None Required
2	CE Mark and PED
3	Canadian Registration

E - Stand	
0	None
2	Tall Bench Top (500 and 1,000 ml ONLY)
3	Floor

F - Body Lift Mechanism	
0	None
1	Manual Jack
2	Manual Jack (CE)

MagneDrive® Agitator

G - MagneDrive® Agitator	
A	MAG075-01 Belt Driven
B	iMAG075 Inline
C	MAG075-02 Belt Driven
X	No MagneDrive® and opening plugged

H - Bearings	
0	None [5]
1	Purebon® [6] (Carbon Graphite)
2	Fluoropolymer with graphite fiber [7]

J - Speed Sensors	
0	None
1	General Purpose Hall Effect

K - Motors	
0	None
1	DC Variable Speed, 90 VDC, General Purpose
2	DC Variable Speed, 180 VDC, General Purpose
3	DC Variable Speed, 90 VDC, XP (Non-CE Mark)
4	DC Variable Speed, 180 VDC, XP (Non-CE Mark)
5	Air with Manual Speed Adjust
6	Air with Electronic Speed Adjust
7	AC Motor, XP CE Mark
C	Belt & Guard WITHOUT MOTOR
D	1/8 HP 0-130 VDC Variable Speed GP Inline
E	1/3 HP 0-130 VDC Variable Speed GP Inline
F	Air Motor - Manual Speed Adjust Inline
G	Air Motor - Electronic Speed Adjust Inline

L - Impellers / Shaft / Baffles	
A	AE Dispersimax™ (6 blades) with Baffle Bar
B	Turbine (6 blades) with Baffle Bar
C	Axial-Up (4 blades) with Baffle Bar
D	Axial-Down (4 blades) with Baffle Bar
X	None[5]

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Internal Accessories

M - Liquid Sample	
0	None, Plugged Connection
1	Sample Tube Only
2	Sample Tube with Manual Valve
5	Sample Tube with Manual Valve & Filter

N - Blow Pipe	
0	None, Plugged Connection
1	Blow Pipe Only
2	Blow Pipe with Manual Valve

O - Sparge Tube	
0	None, Plugged Connection
1	Sparge Tube Only
2	Sparge Tube with Manual Valve

P - Cooling Coil	
0	None, Plugged Connection
1	Cooling Coil Only
2	Cooling Coil with Manual Valve
3	Cooling Coil with Solenoid Valve (120 Volt)
4	Cooling Coil with Solenoid Valve (240 Volt)

NOTES:

1. HASTELLOY® is a registered trademark of Haynes International Inc.
2. Temperature limits are suggested. Actual performance will vary with chemical compatibility.
3. Kalrez® is a registered trademark of DuPont Dow Elastomers.
4. The drain valve is a “Flush” design (no dead volume) that extends approximately 8.25” (210 mm) below the vesssel.
5. Use this option only if X (No MagneDrive®) is selected as the model of MagneDrive® agitator
6. Purebon® is a registered trademark of Morgan AM & T Inc.
7. Fluoropolymer bearings have a maximum recommended service temperature of 500°F (260°C).
8. MROP may be further reduced by temperature and number of cycles.
9. When heating/cooling is selected, the reactor is supplied with a process Type K Thermocouple and Thermowell, and an external Type K Thermocouple. When no heating/cooling is selected, the reactor will be supplied with a plugged connection for the process thermocouple.
10. Consult factory for pricing and rating of code vessels.

External Accessories

R - Vent Valve	
0	None, Plugged Connection
1	Vent with Manual Valve
2	High Volume Vent with Solenoid Valve (120 Volt)
3	High Volume Vent with Solenoid Valve (240 Volt)
4	BPR Digital (120 Volt)
5	BPR Digital (240 Volt)
7	BPR Digital with High Volume Vent 120 VAC Solenoid
8	BPR Digital with High Volume Vent 240 VAC Solenoid

S - Pressure Gauge/Transducer (MROP = Max. Recommended Operating Pressure)	
A	600 psi Gauge Only (450 psi MROP) [8]
B	1,000 psi Gauge Only (750 psi MROP)[8]
C	2,000 psi Gauge Only (1,500 psi MROP) [8]
D	3,000 psi Gauge Only (1,900 psi MROP) [8]
G	600 psi Gauge/1 kpsi Transducer (450 psi MROP) [8]
H	1,000 psi Gauge/Transducer (750 psi MROP) [8]
J	2,000 psi Gauge/ 3 kpsi Transducer (1,500 psi MROP) [8]
K	3,000 psi Gauge/Transducer (1,900 psi MROP) [8]
N	600 psi Gauge/ 1 kpsi IS Transducer (450 psi MROP) [8]
P	1,000 psi Gauge/ IS Transducer (750 psi MROP) [8]
Q	2,000 psi Gauge/ 3 kpsi IS Transducer (1,500 psi MROP) [8]
R	3,000 psi Gauge/ IS Transducer (1,900 psi MROP) [8]

T - Heating and Cooling [9]	
0	None
1	Electric 120 VAC, Single Phase
2	Electric 240 VAC, Single Phase
3	120 VAC, Purgeable Furnace
4	240 VAC, Purgable Furnace
5	Baffled Removable Jacket, 1/4" FNPT Connections 450ºF (232ºC) Maximum

U - Gas Inlet	
0	None, Plugged Connection
1	Gas Inlet Line with One (1) Manual Valve
2	Gas Inlet Line with Two (2) Manual Valve (Shared Connection)
3	Forward Pressure Regulation (FPR) - Digital 120VAC
4	Forward Pressure Regulation (FPR) - Digital 240 VAC

V - Charging Valve	
0	None, Plugged Connection
1	3/8" Manual Charging Valve
2	Manual Valve with 8cc Charging Cartridge
3	Manual Valve with 20cc Charging Cartridge
4	Reflux Condenser

Parker Autoclave Engineers

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Caution! Do not mix or interchange component parts or tubing with those of other manufacturers. Doing so is unsafe and will void warranty.

Caution! Parker Autoclave Engineers Valves, Fittings, and Tools are not designed to interface with common commercial instrument tubing and are designed to only connect with tubing manufactured to Parker Autoclave Engineers AES specifications. Failure to do so is unsafe and will void warranty.