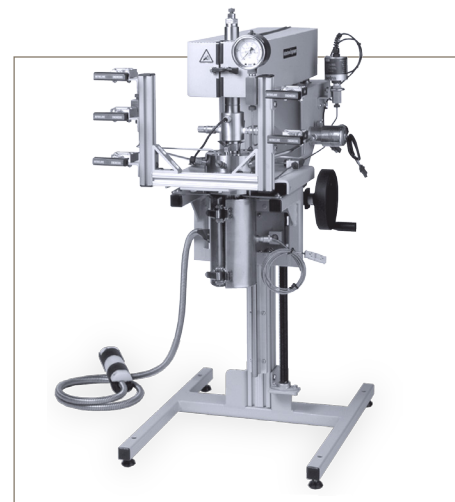


# ZipperClave®

## Stirred Reactors Ordering Guide

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



### Ordering Guide:

Model Code				Pressure Vessel						MagneDrive® Agitator					Internal Accessories				External Accessories					
Z	0	5	0	S	S	B	1	2	3	1	A	1	1	1	A	1	1	0	1	1	D	1	1	0
Volume				A	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U	V

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

#### Model Code

Volume	
050	500 ml Zipperclave Reactor
100	1,000 ml Zipperclave Reactor
200	2,000 ml Zipperclave Reactor
400	4,000 ml Zipperclave Reactor

#### Pressure Vessel

AA - Vessel Material	
SS	316 Stainless Steel
HC	Hastelloy® C-276 <sup>1</sup>

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

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

D - Approvals Available <sup>10</sup>	
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® with opening plugged

H - Bearings	
0	None <sup>5</sup>
1	Purebon® <sup>6</sup> (Carbon Graphite)
2	Fluoropolymer with graphite fiber <sup>7</sup>
3	Purebon® <sup>6</sup> 3310

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 <sup>5</sup>



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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:

- HASTELLOY® is a registered trademark of Haynes International Inc.
- Temperature limits are suggested. Actual performance will vary with chemical compatibility.
- Kalrez® is a registered trademark of DuPont.
- The drain valve is a "Flush" design (no dead volume) that extends approximately 8.25" (210 mm) below the vessel.
- Use this option only if X (No MagneDrive®) is selected as the model of MagneDrive® agitator
- Purebon® is a registered trademark of Morgan AM&T.
- Fluoropolymer bearings have a maximum recommended service temperature of 500°F (260°C).
- MROP may be further reduced by temperature and number of cycles.
- 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.
- 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) <sup>8</sup>
B	1,000 psi Gauge Only (750 psi MROP) <sup>8</sup>
C	2,000 psi Gauge Only (1,500 psi MROP) <sup>8</sup>
D	3,000 psi Gauge Only (1,880 psi MROP) <sup>8</sup>
G	600 psi Gauge/1 ksi Transducer (450 psi MROP) <sup>8</sup>
H	1,000 psi Gauge/1 ksi Transducer (750 psi MROP) <sup>8</sup>
J	2,000 psi Gauge/3 ksi Transducer (1,500 psi MROP) <sup>8</sup>
K	3,000 psi Gauge/3 ksi Transducer (1,880 psi MROP) <sup>8</sup>
N	600 psi Gauge/1 ksi IS Transducer (450 psi MROP) <sup>8</sup>
P	1,000 psi Gauge/1 ksi IS Transducer (750 psi MROP) <sup>8</sup>
Q	2,000 psi Gauge/ 3 ksi IS Transducer (1,500 psi MROP) <sup>8</sup>
R	3,000 psi Gauge/3 ksi IS Transducer (1,880 psi MROP) <sup>8</sup>

T - Heating and Cooling <sup>9</sup>	
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 450°F (232°C) 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

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