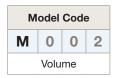
Mini-Reactor

Ordering Guide

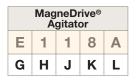
Base Reactors: 25, 50, 100, and 150 ml

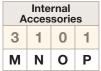


Ordering Guide:









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1	D	1	1	0
R	S	Т	U	V

Part Number Example: M002SSB3110E118A31011D110 (example selections indicated in yellow below)

Model Code

Volume		
002	25ml Mini-Reactor	
005	50ml Mini-Reactor	
010	100ml Mini-Reactor	
015	150ml Mini-Reactor	

Pressure Vessel

AA - Vessel Material	
SS	316 Stainless Steel
HC	Hastelloy® 1 C-276

B - Seal Material			
В	Nitrile O-ring (Max. Temp. 250°F/121°C) ²		
С	Ethylene-Propylene O-ring (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. 450°F /232°C) ²		
G	FFKM (Kalrez®) 3 (Max. Temp. 500°F /260°C) 2		
Н	Chemraz® 4 (Max. Temp. 600°F /315°C) 2		

C - Body Bottom Connection		
0	None (No Connection)	
3	1/8" SpeedBite	

D - App	D - Approvals Available		
0	None Required		
1	ASME Code Stamp		
2	CE Mark and PED		
3	Canadian Registration		

E - Stand		
0	None	
1	Bench Top	

F - Body Lift Mechanism	
0	None

MagneDrive® Agitator

G - N	MagneDrive [®] Agitator
Е	In-Line MagneDrive® III

H - Bearings		
1	Purebon ⁵	
2	Fluoropolymer with Graphite Fiber ⁶	

J - Speed Sensors	
0	None
1	General Purpose / Hall Effect

K - N	K - Motor	
8	DC 1/25 Hp	
9	DC 1/10 Hp	
F	Air, Manual Speed Adjust	
G	Air, Electronic Speed Adjust	

L - Ir	L - Impellers / Shaft / Baffles	
Α	Dispersimax ™ (6 blades)	
В	Turbine (6 blades)	
С	Axial-Up (4 blades)	
D	Axial-Down (4 blades)	
E	Hollow Shaft with Baffle	
F	Solid Shaft with Baffle	
G	Robinson-Mahoney Catalytic Internals	





Internal Accessories

M - Liquid Sample 9	
0	None, Plugged Connection
1	Sample Tube Only
2	Sample Tube with Manual Valve
3	Sample Port to Transducer
5	Sample Tube with Manual Valve and Filter

N - Blow Pipe ⁹	
0	None, Plugged Connection
1	Blow Pipe Only
2	Blow Pipe with Manual Valve

1	O - Sparge Tube		
Г	0	None	

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

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.
- 4. Chemraz® is a registered trademark of Greene, Tweed
- 5. Purebon $^{\scriptsize (\!g\!)}$ is a registered trademark of Morgan AM&T.
- 6. Fluoropolymer bearings have a maximum recommended service temperature of 500°F (260°C).
- 7. When heating/cooling are selected, the reactor is supplied with process Type K Thermocouple and external Type K Thermocouple. When NO heating/cooling is selected, the reactor will be supplied with a plugged connection for the process thermocouple.
- 8. MROP= Maximum Recommended Operating Pressure MROP may be further reduced by temperature and number of cycles.
- 9. Choose either sample tube or blow pipe.

External Accessories

R - Vent Valve	
0	None, Plugged Connection
1	Vent with Manual Valve
4	BPR Digital Valve (120 VAC)
5	BPR Digital Valve (240 VAC)

S - Pres	S - Pressure Gauge/Transducer (M.R.O.P) 8	
Α	0-600 psi Gauge (450 psi) ⁸	
В	0-1,000 psi Gauge (750 psi) ⁸	
С	0-2,000 psi Gauge (1,500 psi) ⁸	
D	0-3,000 psi Gauge (2,250 psi) ⁸	
E	0-5,000 psi Gauge (2,470 psi) ⁸	
G	0-600 psi Gauge/1ksi Transducer (450 psi) 8	
Н	0-1,000 psi Gauge/1ksi Transducer (750 psi) 8	
J	0-2,000 psi Gauge/3ksi Transducer (1,500 psi) 8	
K	0-3,000 psi Gauge/3ksi Transducer (2,250 psi) 8	
L	0-5,000 psi Gauge/5ksi Transducer (2,470 psi) 8	

T - Heating and Cooling 7	
0	None
1	120 VAC Furnace
2	220 VAC Furnace
3	Purgable Electric 120V
4	Purgable Electric 240V
5	Baffled Removable Jacket

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

V - Charging Valve	
0	None

WARNING

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Autoclave Engineers



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Bulletin SR-OGMR

Instrumentation Products Division

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