

M-SERIES

THE NEXT GENERATION IN CONDENSING BOILERS

M-SERIES

More Efficiency For You And Your Customers

Why the "M" Series? For maximum momentum. Using proven technology, these boilers are designed to keep your work day moving quickly and your customers happy.



THE ADVANTAGES



**EASY
INSTALLATION**

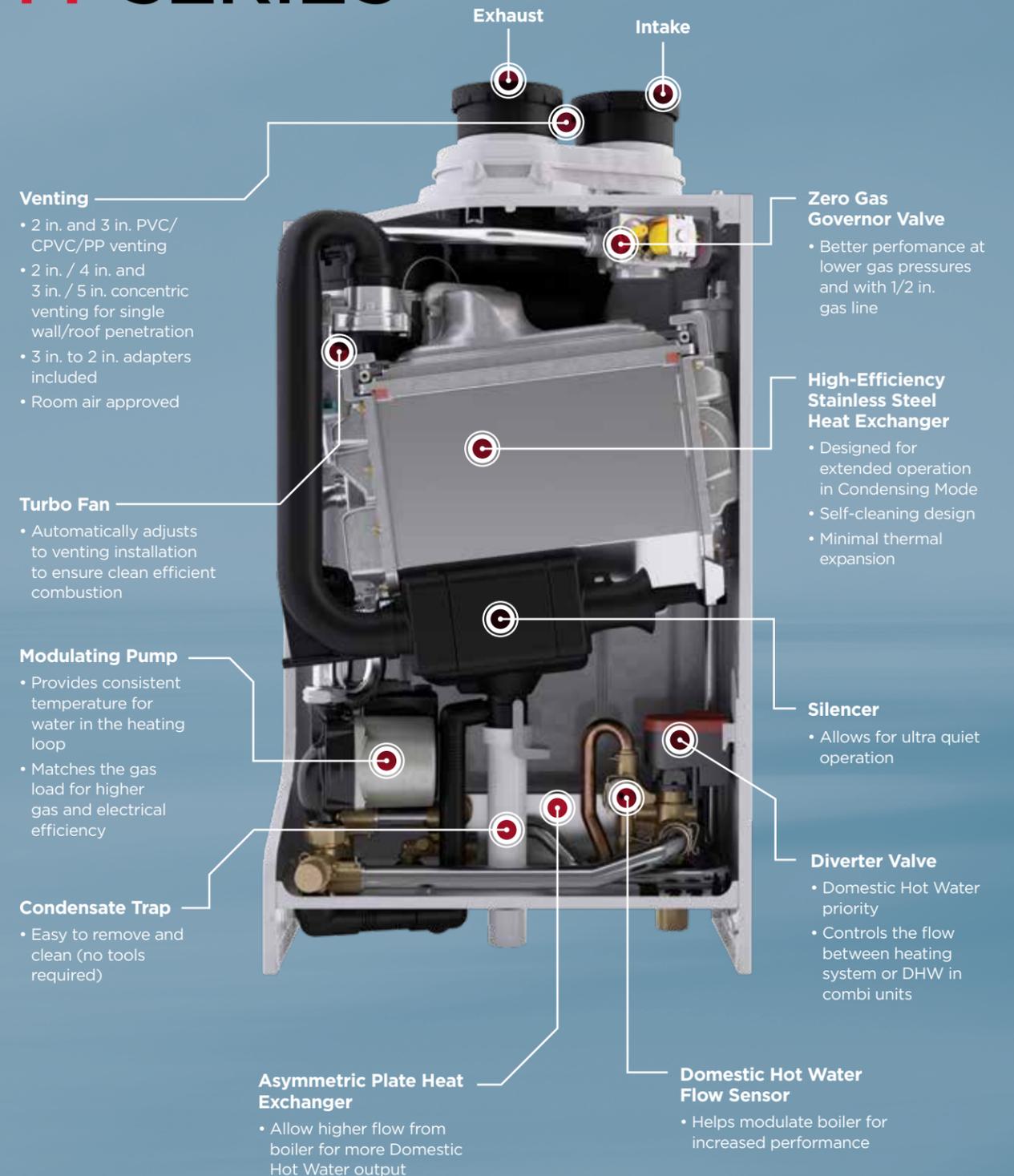


**OPERATIONAL
PERFORMANCE**



SERVICEABILITY

Look Inside M-SERIES



Benefits That Raise The Bar

Rinnai M-Series boilers offer 3 distinct advantages above and beyond your average boiler.

Faster, Easier Installation

- Compact and lightweight design
- Convenient mounting bracket
- NPT threads for connection points
- More flexible venting options
- Simplified parameters for commissioning and setup



Efficient Heating

- More heating output
- More heat transfer for domestic hot water
- Consistently lower utility costs
- Modulation pump optimizes heat transfer to the home while saving on electrical consumption
- Integrated bypass to ensure proper flow to the heat exchanger
- Quiet operation - comparable to the range of ambient noise in a library



Simplified Service

- Simple control interface with large display
- Simplified parameters and menu navigation
- Easy to service



New Product Lineup M-SERIES



INCLUDED WITH ALL UNITS
Each Rinnai Condensing Gas Boiler ships with:

- LP Field Conversion Kit
- Flue Adapters
- Outdoor Reset Sensor
- 1" NPT Adaptors (2)
- Temperature Pressure Gauge
- Pressure Relief Valve (PRV)

HEAT ONLY (NG MODELS)

MODEL	M060SN	M090SN	M120SN	M160SN
MAX. INPUT - HEATING (MBH)	60 (17.6 kW)	90 (26.4 kW)	120 (35.2 kW)	160 (46.9 kW)
MIN. INPUT (MBH)	17 (5.0 kW)		23.5 (6.9 kW)	
TURN DOWN RATIO	3.5:1 / 1.9:1	5.3:1 / 2.9:1	5.1:1 / 1.6:1	6.8:1 / 2.2:1
UNIT WEIGHT	64 lbs. (29 kg)		70 lbs. (32 kg)	

COMBI (NG MODELS)

MODEL	M060CN	M090CN	M120CN	M160CN
MAX. INPUT - HEATING (MBH)	60 (17.6 kW)	90 (26.4 kW)	120 (35.2 kW)	160 (46.9 kW)
MIN. INPUT (MBH)	17 (5.0 kW)	23.5 (6.9 kW)		
TURNDOWN RATIO	3.5:1 / 1.9:1	3.8:1 / 1.2:1	5.1:1 / 1.6:1	6.8:1 / 2.2:1
MAX. OUTPUT - DHW	2.6 GPM @ 70° F ΔT (9.8 L/MIN @ 39° C ΔT)		4.2 GPM @ 70° F ΔT (15.8 L/MIN @ 39° C ΔT)	
UNIT WEIGHT	77 lbs. (35 kg)		84 lbs. (38 kg)	

ADDITIONAL ACCESSORIES

PART NUMBER	DESCRIPTION
803000023	PLUMBING KIT, M-SERIES BOILER
804000074	KIT, CONDENSATE NEUTRALIZER (ALL MODELS)
809000114	REFILL, CONDENSATE NEUTRALIZER (ALL MODELS)
808000025	AIR INTAKE FILTER (ALL MODELS)
809000024	BOILER TOOL KIT (ALL MODELS)
103000038	SCALECUTTER SYSTEM
103000039	SCALECUTTER REFILL CARTRIDGE
MIVK-T-LW	PLUMBING ISOLATION VALVE KIT, COMPACT DESIGN, EASE IN FLUSHING



Plumbing Kit



ScaleCutter System



Condensate Neutralizer Kit



Air Intake Filter

INSTALLATION & VENTING COMPONENTS

2 in. VENTING FOR ROOM AIR AND TWIN PIPE

PART NUMBER	IMAGE	DESCRIPTION	INNER EXHAUST MATERIAL	OUTER INTAKE MATERIAL
222715NPP	1	2 in. CONDENSING FIXING CLIP METAL QTY 10	PP	PLASTIC
223085NPP	2	2 in. CONDENSING WALL TERMINAL TWIN PIPE	PP	PLASTIC
222710NPP	3	2 in. CONDENSING 45 DEGREE ELBOW (20/ BOX)	PP	PLASTIC
222711NPP	4	2 in. CONDENSING 90 DEGREE ELBOW (20/ BOX)	PP	PLASTIC
222712NPP	5	2 in. CONDENSING VENT PIPE EXTENSION 39 in. (4/ BOX)	PP	PLASTIC
222714NPP	5	2 in. CONDENSING VENT PIPE EXTENSION 79 in. (4/ BOX)	PP	PLASTIC

2 in. / 4 in. INSTALLATION VENTING COMPONENTS

PART NUMBER	IMAGE	DESCRIPTION	INNER EXHAUST MATERIAL	OUTER INTAKE MATERIAL
710202NPP	6	2 in. / 4 in. CONDENSING 90 DEGREE DIVERTER NOSE	PP	PLASTIC
710215NPP	7	2 in. / 4 in. CONDENSING 45 DEGREE DIVERTER NOSE	PP	PLASTIC
229011NPP	8	2 in. / 4 in. CONDENSING HORIZONTAL TERMINATION KIT 8.7 in.	PP	PLASTIC
229012NPP	8	2 in. / 4 in. CONDENSING HORIZONTAL TERMINATION KIT 12 in.	PP	PLASTIC
229013NPP	8	2 in. / 4 in. CONDENSING HORIZONTAL TERMINATION KIT 21 in.	PP	PLASTIC
229016NPP	9	2 in. / 4 in. CONDENSING 21 in. WALL TERM W/2 WALL PLATES	PP	PLASTIC
224356NPP	9	2 in. / 4 in. CONDENSING ROOF DISCHARGE TERM 20 in. ABOVE ROOF	PP	PLASTIC
229205NPP	10	2 in. / 4 in. CONDENSING 45 DEGREE ELBOW QTY 2	PP	PLASTIC
229230NPP	11	2 in. / 4 in. CONDENSING 90 DEGREE ELBOW QTY 2	PP	PLASTIC
229253NPP	12	2 in. / 4 in. CONDENSING HORIZONTAL STARTER ADAPTER	PP	PLASTIC
229308NPP	13	2 in. / 4 in. CONDENSING VENT PIPE EXTENSION 10 in.	PP	PLASTIC
229309NPP	13	2 in. / 4 in. CONDENSING VENT PIPE EXTENSION 19.5 in.	PP	PLASTIC
229310NPP	13	2 in. / 4 in. CONDENSING VENT PIPE EXTENSION 39 in.	PP	PLASTIC
227412NPP	14	2 in. / 4 in. CONDENSING VERTICAL STARTER ADAPTER	PP	PLASTIC
185348NPP	15	2 in. / 4 in. CONDENSING ROOF TERM EXTENSION KIT	PP	PLASTIC

3 in. VENTING COMPONENTS

PART NUMBER	IMAGE	DESCRIPTION	INNER EXHAUST MATERIAL	OUTER INTAKE MATERIAL
196116PVC	-	3 in. CONCENTRIC PVC	PVC	PVC
196985PVC	-	3 in. LOW PROFILE PVC	PVC	PVC

IPEX VENTING COMPONENTS

PART NUMBER	IMAGE	DESCRIPTION	INNER EXHAUST MATERIAL	OUTER INTAKE MATERIAL
196005PVC	-	IPEX 2 in. CONCENTRIC TERMINATION 2 x 16	PVC	PVC
196105PVC	-	IPEX 2 in. CONCENTRIC TERMINATION 2 x 28	PVC	PVC
196125PVC	-	IPEX 2 in. CONCENTRIC TERMINATION 2 x 40	PVC	PVC
192984PVC	-	IPEX PVC LOW PROFILE TERMINATION 2 in.	PVC	PVC



3 in. / 5 in. INSTALLATION VENTING COMPONENTS

PART NUMBER	IMAGE	DESCRIPTION		INNER EXHAUST MATERIAL	OUTER INTAKE MATERIAL
223174PP	16	CONDENSING HORIZONTAL TERMINATION KIT	8.7" / 220.9 MM	PP	PLASTIC
223176PP	16	CONDENSING HORIZONTAL TERMINATION KIT	12" / 304.8 MM	PP	PLASTIC
223177PP	16	CONDENSING HORIZONTAL TERMINATION KIT	21" / 533.4 MM	PP	PLASTIC
223186PP	17	CONDENSING HORIZONTAL TERMINATION DIVERTER KIT	19" / 482.6 MM	PP	PLASTIC
184162PP	18	CONDENSING ROOF DISCHARGE TERMINATION SHORT (ABOVE ROOF)	38" / 965.2 MM	PP	PLASTIC
224047PP	19	CONDENSING RAISED HORIZONTAL TERMINATION KIT (SNORKEL)	-	PP	PLASTIC
185344PP	-	ROOF TERMINATION EXTENSION KIT	-	PP	PLASTIC
185346PP	-	CONDENSING TERMINATION EXTENSION	-	PP	PLASTIC
185347PP	-	SEPARATION KIT	-	PP	PLASTIC
187585PP	-	TWIN PIPE ADAPTER FOR USE W/ PVC/CPVC (SPECIAL ORDER ONLY)	-	PP	PLASTIC
224077PP	20	45-DEGREE ELBOW (QUANTITY OF 2)	-	PP	PLASTIC
224078PP	21	90-DEGREE ELBOW	-	PP	PLASTIC
224087PP	22	VENT PIPE EXTENSION	10" / 254 MM	PP	PLASTIC
224079PP	22	VENT PIPE EXTENSION	19.5" / 495.3 MM	PP	PLASTIC
224080PP	22	VENT PIPE EXTENSION	39" / 990.6 MM	PP	PLASTIC

ADDITIONAL ACCESSORIES

PART NUMBER	IMAGE	DESCRIPTION	
146141	23	ROOF FLASHING ASSEMBLY (FLAT ROOF)	
189950	24	SHINGLE ROOF FLASHING (1/12 TO 6/12 PITCH; PLASTIC)	
189951	24	SHINGLE ROOF FLASHING (6/12 TO 12/12 PITCH; PLASTIC)	
189952	24	SHINGLE ROOF FLASHING (8/12 TO 16/12 PITCH; PLASTIC)	
50171949	25	TILE/SHINGLE ROOF FLASHING (1/12 TO 6/12 PITCH; METAL)	
50171961	25	TILE/SHINGLE ROOF FLASHING (6/12 TO 12/12 PITCH; METAL)	
50171954	25	TILE/SHINGLE ROOF FLASHING (8/12 TO 16/12 PITCH; METAL)	
242141	26	FLASHING FOR METAL ROOF	
710342	27	RUBBER WALL PLATE (WHITE)	
710602	27	RUBBER WALL PLATE (BLACK)	
224045	28	THIMBLE (1 PIECE PER BOX)	
169044	29	PIPE CLAMP	
224097	30	METAL PASS THROUGH PLATE	
224042	31	UNIVERSAL BUG GUARD	

REPLACEMENT KITS

PART NUMBER	DESCRIPTION	FITS MODEL NO.
804000100	8K HR SERVICE KIT (M-60C/60S/90S)	M-60C/60S/90S
804000101	FAN VENTURI KIT (M-60C/60S/90S)	M-60C/60S/90S
804000102	FLAT PLATE HEX KIT (M-60C/60S/90S)	M-60C/60S/90S
804000103	GAS VALVE KIT (M-SERIES)	ALL MODELS
804000104	PUMP KIT (M-SERIES)	ALL MODELS
804000105	PRIMARY HEX KIT (M-60C/60S/90S)	M-60C/60S/90S
804000107	8K HR SERVICE KIT (M-90C/120C/160C/120S/160S)	M-90C/120C/160C/120S/160S
804000108	FAN VENTURI KIT (M-90C/120C/160C/120S/160S)	M-90C/120C/160C/120S/160S
804000109	FLATPLATE HEX KIT (M-90C/120C/160C/120S/160S)	M-90C/120C/160C/120S/160S
804000110	PRIMARY HEX KIT (M-90C/120C/160C/120S/160S)	M-90C/120C/160C/120S/160S

Termination Kits include elbow and rubber wall plate.



endless

quality and support

100 years of smart comfort

For nearly a century, Rinnai has been fiercely committed to delivering a smarter kind of comfort. With headquarters in Japan and a network of 20 subsidiaries and 86 sales offices in 13 countries, this commitment has made us one of the world's largest gas appliance manufacturers. Our value-added products continue to stay in step with the demands of a changing world.



The highest standards of quality

Rinnai employs more than 600 research and development engineers, all focused on uncompromising quality in design and manufacturing.

Advanced automation and precision assembly processes have made our manufacturing facilities an industry model for efficiency. Throughout the world, our standards for quality remain unsurpassed.

- Every product undergoes live testing before shipping
- One of the few tankless water heater and boiler manufacturers with its own state-of-the-art Canadian Standards Association (CSA) Certified Testing Laboratory, including CSA accredited lab technicians
- All products have been approved by CSA and adhere to the strict standards of the American National Standards Institute (ANSI)

Learn more about Rinnai high-performance Tankless Water Heaters, Hybrid Water Heating Systems, Boilers, Vent-Free Fan Convectors and EnergySaver® Direct Vent Wall Furnaces at:

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Rinnai
HEATING SOLUTIONS

Rinnai America Corporation | 103 International Drive, Peachtree City, GA 30269
800.621.9419 | rinnai.us