ELECTRO INDUSTRIES

North America's Leader in ELECTRIC HEATING TECHNOLOGY



15-18 kW Models

1.1-12 kW Models

100% EFFICIENT ELECTRIC BOILERS

Intertek

ENHANCED FEATURES

- Full element modulation for precise water temperature control
- Integrated two-zone control
- Added LED status indicators

ELECTRO'S MINI-BOILER™

A compact, wall mounted electric boiler. Experience the safe, efficient, and reliable comfort only an Electro Mini-Boiler can provide. Heated floors, baseboard, radiators – whatever your application the Mini-Boiler can be used as the main source of heat or to supplement your home or shop heating system.

MANUFACTURED IN AMERICA
USING THE FINEST MATERIALS & COMPONENTS FROM AROUND THE WORLD

Call Today
800.922.4138
FAX: 763.295.4434

2150 West River St.
Monticello, MN 55362
sales@electromn.com

www.electromn.com



APPLICATIONS

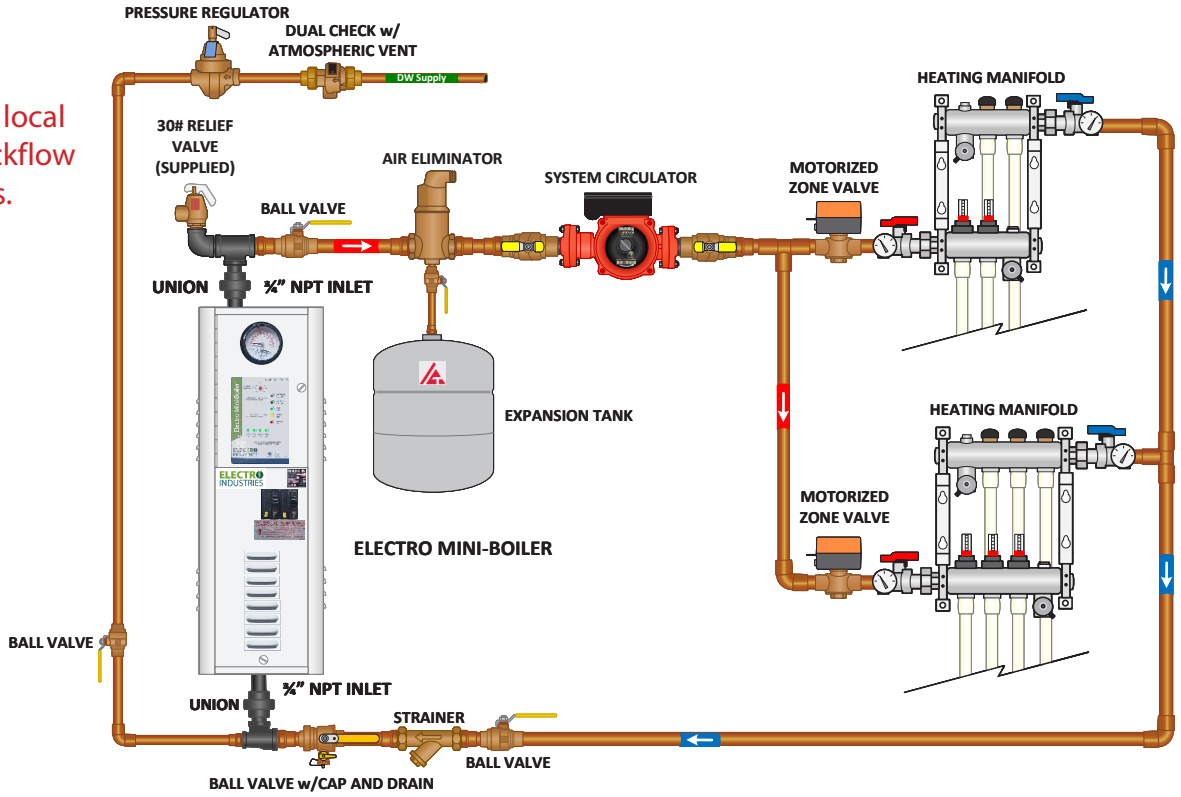
Basements | Slab on Grade | Garages | Sheds | Room Additions

THE BOILER THAT STARTED IT ALL...

Our Mini-Boiler has more features and is easier to install and use than ever before. Now available in larger kW sizes ranging from 1 kW all the way to 18 kW. This means you get the same high quality and reliability you have come to expect from the compact Mini-Boiler for a wider range of applications at a lower price tag.

PIPING DIAGRAM

NOTE: Check with local jurisdiction for backflow code requirements.



FEATURES

- 100% efficient
- Built-in electronic water temperature control with front panel temperature select
- EMB-R1 Series – single zone, EMB-M2 Series – two zone compatible
- Quiet solid state and DC relays
- Circulator switching relay – 10-amp maximum
- LED indicator lights
- Thermostat or end switch connection (R and W)
- Dry contact for load control (off-peak, TOU) or low water cutoff
- Hi-limits: 1st is automatic reset 190°F, 2nd is manual reset 205°F
- Built in accordance to ASME Section IV and ETL/ Intertek certification
- 20-year element and boiler vessel warranty, longest in the industry

SPECIFICATIONS

STAGING - Ideal for single zone applications such as radiant floor heating systems requiring <160°F

Model	kW	Watts	Btu/h	Amps	Voltage	Phase	CB
EMB-R1-01-120-1	1.1	1,100	3,700	10	120	1-60 Hz	N/A
EMB-R1-03-120-1	2.5	2,500	8,500	21	120	1-60 Hz	N/A
EMB-R1-05-240-1	5	5,000	17,000	21	240/208	1-60 Hz	30A
EMB-R1-07-240-1	7	7,000	23,800	30	240/208	1-60 Hz	45A
EMB-R1-09-240-1	9	9,000	30,700	38	240/208	1-60 Hz	60A

MODULATING - Ideal for low temperature radiant floor heating or hot water baseboard systems requiring up to 180°F (Outdoor Reset capability)

Model	kW	Watts	Btu/h	Amps	Voltage	Phase	CB
EMB-M2-01-120-1	1.1	1,100	3,700	10	120	1-60 Hz	N/A
EMB-M2-03-120-1	2.5	2,500	8,500	21	120	1-60 Hz	N/A
EMB-M2-05-240-1	5	5,000	17,000	21	240/208	1-60 Hz	30A
EMB-M2-07-240-1	7	7,000	23,800	30	240/208	1-60 Hz	45A
EMB-M2-09-240-1	9	9,000	30,700	38	240/208	1-60 Hz	60A
EMB-M2-12-240-1	12	12,000	40,900	50	240/208	1-60 Hz	45A, 45A

MODULATING - Ideal for low temperature radiant floor heating or hot water baseboard systems requiring up to 180?F (Outdoor Reset capability), Slight Larger Enclosure

Model	kW	Watts	Btu/h	Amps	Voltage	Phase	CB
EDB-M2-15-240-1	15	15,000	51,100	63	240/208	1-60 Hz	60A, 45A
EDB-M2-18-240-1	18	18,000	61,400	75	240/208	1-60 Hz	60A, 60A

DIMENSIONS / CLEARANCES

1.1-12 kW Models

- 10.5"W x 29"H x 9"D
- 3/4" NPT
- 55 lbs
- 0.95 gallon vessel
- Specification sheet: BL309

15-18 kW Models

- 17.5"W x 30.25"H x 7.65"D
- 1" NPT
- 87 lbs
- 2.2 gallon vessel
- Specification sheet: BL310

	Minimum Clearance		Suggested Minimum Service Clearance	
LEFT	1 IN	26 MM	12 IN	305 MM
RIGHT	1 IN	26 MM	12 IN	305 MM
BACK	0 IN	0 MM	0 IN	0 MM
FRONT	1 IN	26 MM	21 IN	534 MM
TOP	1 IN	26 MM	14 IN	356 MM
BOTTOM	1 IN	26 MM	14 IN	356 MM
SURROUNDING AMBIENT TEMPERATURE MUST NOT EXCEED 90°F/32°C				

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Rev 10/02/2026 - BL308