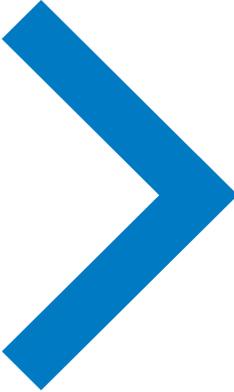


ArcReach[®] Heater

Part No: MR301591



Take Charge of Your Field Preheat & Bake Out Applications up to 315°C.



DON'T WALK WELD™

GAME-CHANGING TECHNOLOGIES CAN STOP YOU FROM WASTING HOURS EVERY DAY.

ArcReach welding technology minimises the non-value-added time spent walking to and from the power source - and maximises arc-on time, weld quality and job site safety.

APPLICATIONS
Refineries
Oil and Gas
Petrochemical
Power Plants
Shipyards
Structural
Mining

PROCESSES
Induction Heating



*Image shows Quick Wrap and Extension Cable box set up.



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ALLOWS ECONOMICAL, INSOURCED WELD PREHEATING AND BAKEOUT

With ArcReach Heater systems, you can:

- > Eliminate the costly overruns common with heating contractors.
- > Eliminate delays due to transitions between heating and welding crews.
- > Run your own schedule without depending on third-party contractors.
- > Use existing on-site welding equipment up to 60m away as the heating power source
- > Lower preheating and bakeout costs.
- > Automatically and accurately document joint temperatures.
- > Eliminate safety concerns caused by traditional resistance and open-flame heating.

DESIGNED SPECIFICALLY FOR PREHEATING AND BAKEOUT APPLICATIONS UP TO 315°C WITHOUT THE NEED FOR A COOLER AND COOLANT.

Preheat and bakeout programs can be manually entered or loaded via USB drive. Heating data can be used in quality control and documentation needs.

The air-cooled cables and quick wraps are manufactured from durable high-temperature materials, and designed to withstand the tough conditions in both industrial and construction applications.

EASY SETUP

Flexibility to fit a variety of pipe diameters, plates or odd geometries.

TIME-TO-TIME TEMPERATE

Faster than conventional processes due to the method of applying heat, reducing cycle time.

UNIFORM HEATING

Heating is maintained along and through the heat zone by using induction to heat within the material. The surface of the part is not marred by localised conducted heat at higher than specified temperatures.

IMPROVED AND SAFER WORKING ENVIRONMENT

Welders are not exposed to open flame, explosive gases and hot elements associated with fuel gas heating and resistance heating.

1 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.

As part of the ArcReach technology platform, the heater is an accessory for select ArcReach welding power sources. The induction heating tools (air-cooled cables or air-cooled quick wraps) connect to the ArcReach Heater, which is powered by select on-site welding power sources.

Compatible ArcReach power sources include:

- > XMT 350 FieldPro
- > PipeWorx 350 FieldPro
- > Trailblazer 325
- > Big Blue 400X Pro
- > Big Blue 500X Pro
- > Big Blue 700X Duo
- > Big Blue 800X Duo Air Pak

INPUT POWER	OUTPUT CURRENT	OUTPUT VOLTAGE	SOURCE CURRENT	AMBIENT TEMP. RANGE	OUTPUT FREQUENCY	RATED OUTPUT	DIMENSIONS (MM)	WEIGHT
Operates on open-circuit voltage: 50-70 V	200 A	300 V	33 A	Storage: -20 - 55 °C Usage: -10 - 40 °C	5 - 30 kHz	7.8 kW at 100% Duty Cycle	H: 472 W: 285 D: 678	23.4kg





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AIR-COOLED CABLE CONFIGURATION

Shown with cable covers and preheat insulation. Air-cooled cables are available in lengths of 9.1, 15.2 or 24.4 m. Designed with flexibility and efficiency in mind, the cables can be wrapped into coils of various shapes and sizes to fit almost any induction preheat or bakeout application (flat plate, pipe, odd geometries).

AIR-COOLED QUICK WRAP CONFIGURATION

Air-cooled quick wraps provide a fast and easy way to wrap a pipe joint up to 25.4cm diameter for preheat or bakeout. Simply place around the pipe, connect the ends, and cinch the clip as close to the pipe as possible.

HEATING TOOLS

Up to two heating tools can be connected to the extension cable.



THERMOCOUPLE SENSORS

Up to six contact thermocouple sensors (probes) can be inserted into the extension cable for temperature feedback to the power source.



*International machine models shown.



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ARCREACH HEATER

PART NO: MR301591 (CE MODEL)

The ArcReach Heater is equipped with built-in temperature control allowing for either manual or computer-loaded programming using up to six thermocouples. The ArcReach Heater can run either one or two heating tools (air-cooled cable or air-cooled quick wrap) at the same time. Requires ArcReach Heater extension cable to operate. Note: Weld cables are not included.



AIR-COOLED CABLE

PART NO:
MR301453030 - 9.1m
MR301453050 - 15.2m
MR301453080 - 24.4m

Air-cooled cables are ideal for wrapping various pipe diameters, flat plate and irregular, non-standard shapes requiring a flexible and uniform heating solution. Use with preheat cable covers to help protect from abrasion and weld spatter. Requires preheat insulation for temperatures over 150 °C to protect the tool.



PREHEAT INSULATION WITH CABLE HARNESS

PART NO: MR301334 - 1.3 x 41 x 305cm

Air-cooled heating cable coils of various sizes can be attached directly to this preheat insulation. Once a coil is set up it can easily be moved from part to part reducing setup times. The insulation is 3m long and can be cut to length to fit your application.



ARCREACH HEATER EXTENSION CABLE

PART NO: MR301451 - 3m

Air-cooled cables or quick wraps connect to the side of the box. Up to six thermocouple sensors connect to the yellow panel, and provide temperature feedback from the piece that is being heated.



SERIES CABLE ADAPTER

PART NO: MR195437 - 46cm

Used to connect two air-cooled cables together in series to extend length and create extra heating area.



CONTACT THERMOCOUPLE SENSOR (PROBE)

PART NO: MR301517

Contact thermocouple sensor is placed on the part being heated and provides temperature feedback to the power source. For preheat only, 315 °C maximum.



CABLE COVER

PART NO:
MR204611 - 9.1m
MR204614 - 15.2m
MR204620 - 24.4m

Used in preheat applications to protect the heating cable from abrasion and weld spatter. Note: Cable cover does not provide insulation benefits.



TEMPERATURE MEASUREMENT (WELDED ON)

PART NO:
MR194999 - WIRE 152m
MR195098 - CONNECTORS (10 PACK)
MR194999 - ATTACHMENT UNIT (NOT SHOWN)

Thermocouples welded directly on the part being heated are the most accurate way of monitoring part temperature for recording and controlling the heating process.



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AIR-COOLED QUICK WRAP

PART NO: MR301452

The quick wrap works on pipe up to 25.4 cm diameter, and can heat up to a maximum of 315 °C. Requires preheat insulation for temperatures over 200 °C to protect the tool. Most joints will require two air-cooled quick wraps to be used simultaneously – one on each side of the joint.



PREHEAT INSULATION

PART NO:
MR195376 -
1.3 x 15 x 305cm
MR211474 -
1.3 x 31 x 305cm

For preheat applications up to 315 °C. Designed to protect the air-cooled quick wraps and cables from high temperatures, and maintain the optimum coupling distance between the cables or wraps and the pipe. The preheat insulation is 1/2-inch thick and can be cut to length to fit your application. to protect the tool.



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ORDERING INFORMATION

OPTION 1

EQUIPMENT

MR301591	ArcReach® Heater CE (requires extension cable to operate)
MR301451	ArcReach® Heater Extension Cable (3m)
AM368-0/10	ArcReach® Heater Lead Kit

ACCESSORIES

MR301452	Air-Cooled Quick Wrap for up to 25.4 cm diameter pipes. Requires preheat insulation for temperatures over 200 °C.
MR301453030	Air-Cooled Cable (9.1m)
MR301453050	Air-Cooled Cable (15.2m)
MR301453080	Air-Cooled Cable (24.4m)
MR195437	Series Cable Adapter (46cm) for connecting two air-cooled cables in series.
MR204611	Cable Cover (9.1m)
MR204614	Cable Cover (15.2m)
MR204620	Cable Cover (24.4m)
MR195376	Preheat Insulation (1.3 x 15 x 305cm)
MR211474	Preheat Insulation (1.3 x 31 x 305cm)
MR301334	Preheat Insulation with cable harness (1.3 x 41 x 305cm)
MR301517	Contact Thermocouple Sensor (Probe) for use up to 315 °C maximum.
MR194999	Type K Thermocouple Wire (152m)
MR195098	Thermocouple Connectors, Type K, 2-pin male (package of 10)
MR194959	Thermocouple Attachment Unit used for welding thermocouples to part being heated.

FOR INFORMATION CALL CUSTOMER SUPPORT ON 1300 300 884.