



CLIMATEWORX

MISSION CRITICAL CLIMATE CONTROL



LEARN MORE ABOUT WHAT WE DO:



[TINYURL.COM/CLIMATEWORXING](https://tinyurl.com/climateworxing)

VERTICAL FLOOR MOUNT SERIES 6, 8 & 9



2-30 TON UNITS

Single Circuit for Superior Economy &
Dual Circuit for Ultimate Protection

FOLLOW US ON SOCIAL MEDIA
[facebook](#) [Twitter](#) [YouTube](#) [LinkedIn](#)



VISIT WWW.CLIMATEWORXINTERNATIONAL.COM FOR MORE PRODUCTS



CLIMATEWORX
MISSION CRITICAL CLIMATE CONTROL

VERTICAL FLOOR MOUNT | SERIES 6, 8 & 9



SERIES 6

2-5 TONS

Compact footprint to allow efficient use of floor space.



SERIES 8

6-10 TONS

Single circuit for cost effective cooling.



SERIES 9

6-30 TONS

Dual circuit reliability for the ultimate protection.

SERIES 6 | 2-5 TONS (COMPACT FOOTPRINT)

COOLING MODES

- Air Cooled DX (Split or Packaged)
- Water Cooled DX
- Glycol Cooled DX (DX in R407C)
- Chilled Water

CONFIGURATIONS

- Up Flow
- Down Flow

REHEAT OPTIONS

- Optional Upsize SCR Controlled Electric Reheat



EVAPORATOR COIL & DRAIN PAN

Coil-3/8" OD copper tubes expanded into aluminum fins. Stainless Steel corrosion free condensate drain pan under the coil.

SCR RE-HEAT

Silicon Controlled Rectifier (SCR) controlled, with an extruded aluminum heat sink. Heating element-low watt-density, tubular finned construction with a non-corrosive metal sheath electrically and thermally protected.

TEMPERATURE & HUMIDITY SENSOR

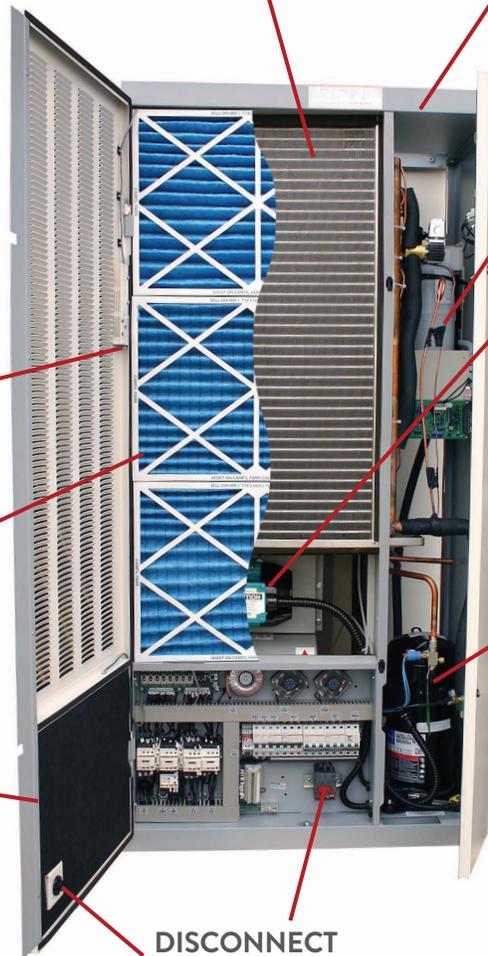
FILTERS

Standard capacity, Merv 8 filters, 50mm (2") deep, pleated type having 25-30% efficiency, 90-92% arrestance to ASHRAE 52-76.

PANELS & INSULATION

Panels formed & welded from 18 gauge steel with Epoxy Powder Paint and **Insulation** is 25mm (1") thick, 24kg/m³ (1.5 lb/ft³) density fiber-glass.

AIR COOLED DOWN FLOW - MODEL 6AD05



DISCONNECT

Non-Fused Locking Type.

FRAME

14 Gauge Steel with Epoxy Powder Paint.

M52

Microprocessor based control system with automatic control and monitoring capability.

HUMIDIFIER

Self-contained electrode boiler type c/w with water level control and auto-drain functions.

BLOWER & MOTOR

Blower-Double inlet, double width, forward curve, belt driven centrifugal type blower.

Fan Motor-Totally Enclosed Fan Cooled type (TEFC) having class F insulation, IP54 standard. Blanking plate removed to illustrate motor & blower.

SCROLL COMPRESSOR

Equipped with:

- Suction rotolock valve
- Discharge rotolock valve
- Gauge ports
- Internal thermal overload
- Vibration isolators
- Crank Case Heater

(Optional 2 stage available)

100% FRONT SERVICEABLE



SERIES 8 | 6-10 TONS (SINGLE CIRCUIT)

COOLING MODES

- Air Cooled DX
- Water Cooled DX
- Glycol Cooled DX (DX in R407C)
- Chilled Water

CONFIGURATIONS

- Up Flow-Front or Rear Return (Option)
- Down Flow

REHEAT OPTIONS

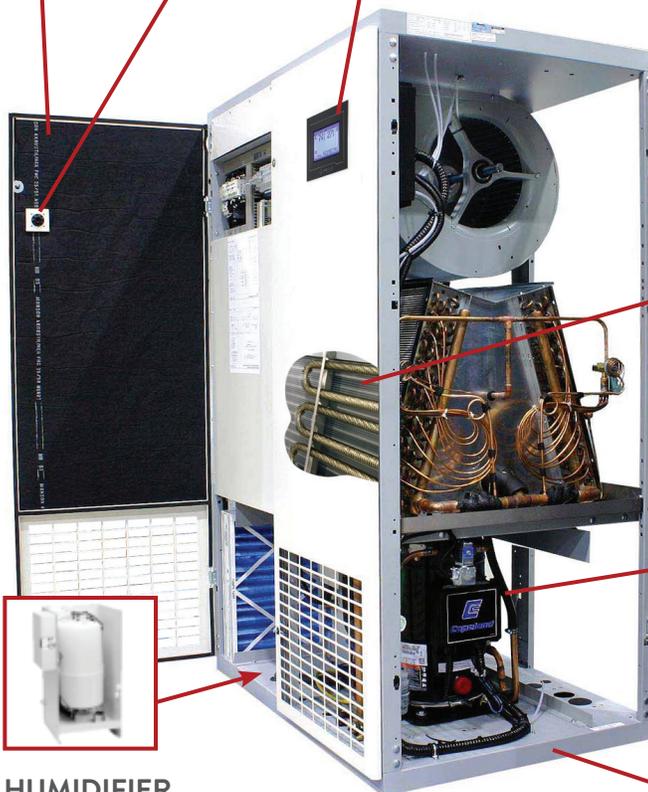
- Hot Water Reheat Coil
- Steam Reheat Coil
- Hot Gas Reheat Coil

PANELS & INSULATION

Panels formed & welded from 18 gauge steel with Epoxy Powder Paint and Insulation is 25mm (1" thick, 24kg/m3 (1.5 lb/ft3) density fiber-glass.

DISCONNECT
Non-Fused
Locking Type.

M52
Microprocessor based control system with automatic control and monitoring capability.



HUMIDIFIER

Self-contained electrode boiler type c/w with water level control and auto-drain functions.

AIR COOLED UP FLOW - MODEL 8AU10

BLOWER & MOTOR

Blower-Double inlet, double width, forward curve, belt driven centrifugal type blower. Fan Motor-Totally Enclosed fan cooled type (TEFC) having class F insulation, IP54 standard. (optional EC fan on some downflow models)

EVAPORATOR COIL & DRAIN PAN

Coil-3/8" OD copper tubes expanded into aluminum fins. Stainless Steel corrosion free condensate drain pan under the coil.

FILTERS

Standard capacity, Merv 8 filters, 100mm (4") deep, pleated type having 25-30% efficiency, 90-92% arrestance to ASHRAE 52-76.

SCR RE-HEAT

Silicon Controlled Rectifier (SCR) controlled, with an extruded aluminum heat sink. Heating element-low watt-density, tubular finned construction with a non-corrosive metal sheath electrically and thermally protected.

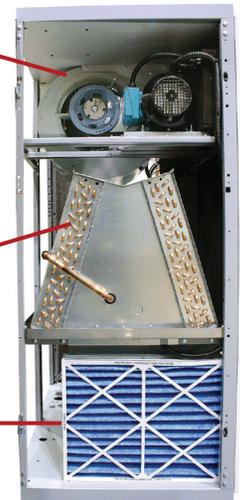
SCROLL COMPRESSOR

Equipped with:

- Suction rotolock valve
- Discharge rotolock valve
- Gauge ports
- Internal thermal overload
- Vibration isolators
- Crank Case Heater (Optional 2 stage available & digital scroll)

FRAME

14 Gauge Steel with Epoxy Powder Paint.



AIR COOLED UP FLOW UNIT LEFT END VIEW



AIR COOLED DOWN FLOW UNIT LEFT END VIEW

SERIES 9 | 6-30 TONS (DUAL CIRCUIT - UPFLOW)

COOLING MODES

- Air Cooled DX
- Water Cooled DX
- Glycol Cooled DX (DX in R407C)
- Chilled Water • Dual & Free Cool

CONFIGURATIONS

- Up Flow-Front or Rear return (Option)

REHEAT OPTIONS

- Hot Water Reheat Coil
- Steam Reheat Coil
- Hot Gas Reheat Coil

BLOWER & MOTOR

Blower-Double inlet, double width, forward curve, belt driven centrifugal type blower. Fan Motor-Totally Enclosed Fan Cooled type (TEFC) having class F insulation, IP54 standard.

PANELS & INSULATION

Panels formed & welded from 18 gauge steel with Epoxy Powder Paint and Insulation is 25mm (1") thick, 24kg/m³ (1.5 lb/ft³) density fiber-glass.

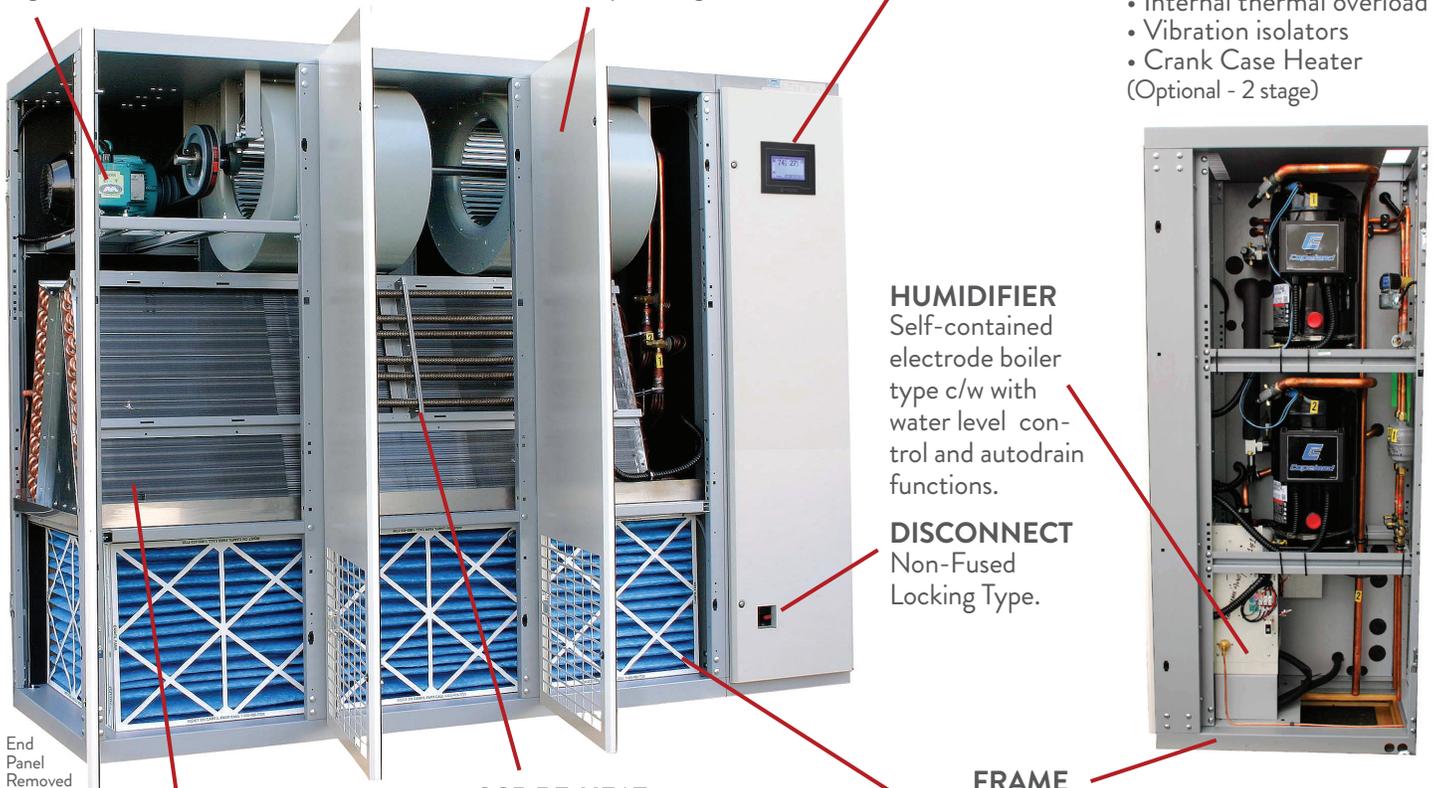
M52

Microprocessor based control system with automatic control and monitoring capability.

DUAL SCROLL COMPRESSORS

Equipped with:

- Suction rotolock valve
- Discharge rotolock valve
- Gauge ports
- Internal thermal overload
- Vibration isolators
- Crank Case Heater (Optional - 2 stage)



End Panel Removed

EVAPORATOR COIL & DRAIN PAN
Coil-3/8" or 1/2" OD copper tubes expanded into aluminum fins. Stainless Steel corrosion free condensate drain pan under the coil.

AIR COOLED UP FLOW - MODEL 9AU16

SCR RE-HEAT

Silicon Controlled Rectifier (SCR) controlled, with an extruded aluminum heat sink. Heating element-low watt-density, tubular finned construction with a non-corrosive metal sheath electrically and thermally protected.

HUMIDIFIER

Self-contained electrode boiler type c/w with water level control and autodrain functions.

DISCONNECT

Non-Fused Locking Type.

FRAME

14 Gauge Steel with Epoxy Powder Paint.

FILTERS

Standard capacity, Merv 8 filters, 100mm (4") deep, pleated type having 25-30% efficiency, 90-92% arresntance to ASHRAE 52-76.



SERIES 9 | 6-30 TONS (DUAL CIRCUIT - DOWNFLOW)

COOLING MODES

- Air Cooled DX
- Water Cooled DX
- Glycol Cooled DX (DX in R407C)
- Chilled Water • Dual & Free Cool

CONFIGURATIONS

- Down Flow - Top Return

REHEAT OPTIONS

- Hot Water Reheat Coil
- Steam Reheat Coil
- Hot Gas Reheat Coil

EVAPORATOR COIL & DRAIN PAN

Coil-3/8" or 1/2" OD copper tubes expanded into aluminum fins. Stainless Steel corrosion free condensate drain pan under the coil.

FILTERS

Standard capacity, Merv 8 filters, 100mm (4") deep, pleated type having 25-30% efficiency, 90-92% arrestance to ASHRAE 52-76.

M52

Input/Output (I/O) Board.

M52

Microprocessor based control system with automatic control and monitoring capability.

DUAL SCROLL COMPRESSORS

Equipped with:

- Suction rotolock valve
- Discharge rotolock valve
- Gauge ports
- Internal thermal overload
- Vibration isolators
- Crank Case Heater (Optional - 2 stage)

FRAME

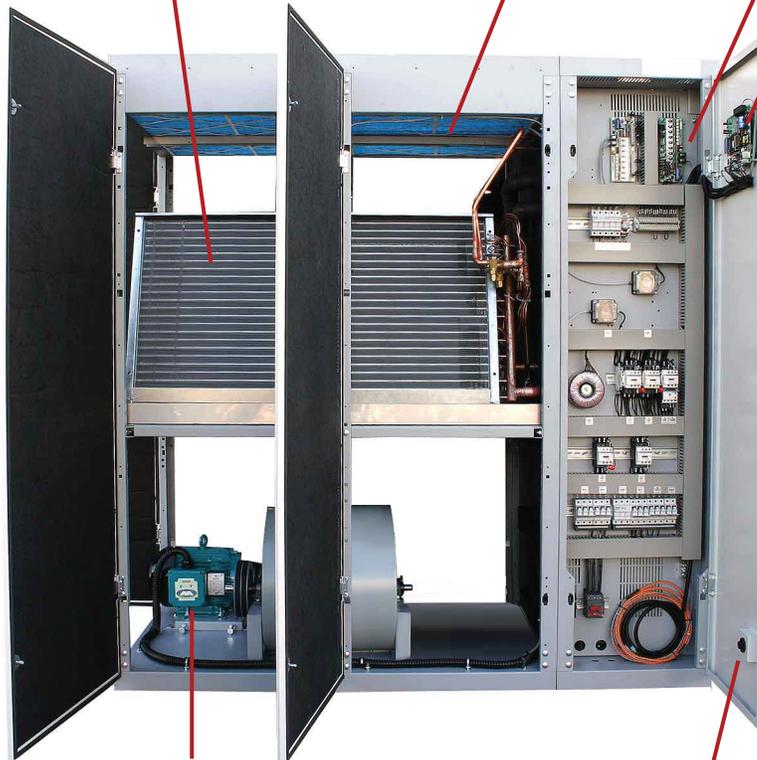
14 Gauge Steel with Epoxy Powder Paint.

PANELS & INSULATION

Panels formed & welded from 18 gauge steel with Epoxy Powder Paint and Insulation is 25mm (1") thick, 24kg/m³ (1.5 lb/ft³) density fiber-glass.

HUMIDIFIER

Self-contained electrode boiler type c/w with water level control and autodrain functions.



BLOWER & MOTOR

Blower-Double inlet, double width, forward curve, belt driven centrifugal type blower. Fan Motor-Totally Enclosed Fan Cooled type (TEFC) having class F insulation, IP54 standard. (Optional EC on some downflow models)

DISCONNECT

Non-Fused Locking Type.



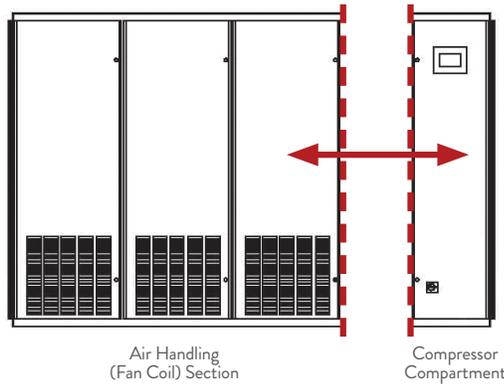
AIR COOLED DOWN FLOW - MODEL 9AD12

MODELS 26 & 30 ARE THREE (3) FAN UNITS

OPTIONS | CONFIGURE THE UNIT

FACTORY SPLIT – SERIES 9

Compressor
Compartment is split
from Air Handling
(Fan/Coil) Section into
two (2) separate pieces
for transport through
confined spaces. Sec-
tion refrigeration piping
and electrical wiring are
field connected on site
– BY OTHERS.



3-WAY VALVES

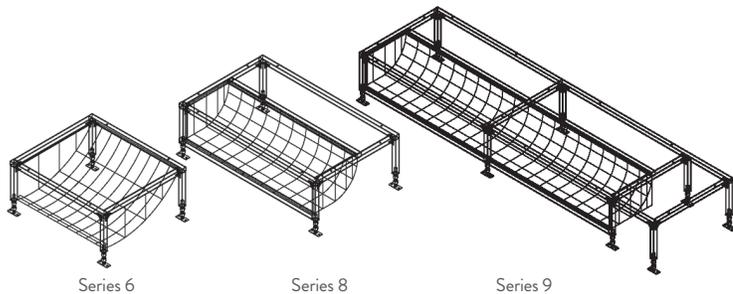
Chilled Water or Condenser
Water Regulating Valve c/w
Bypass balancing valve (150 psi).



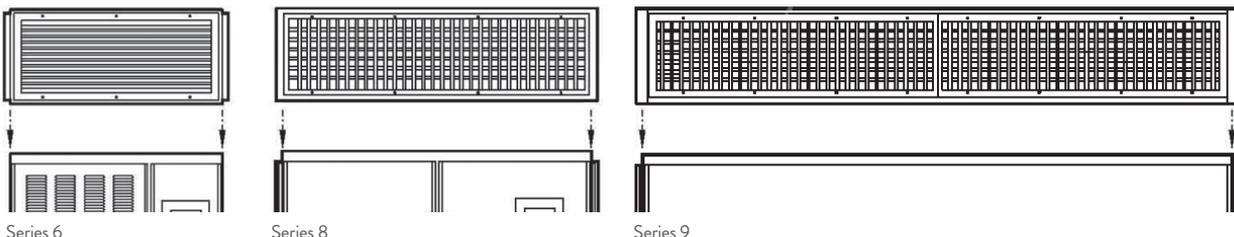
FLOOR STANDS

Floor stand shall be a welded
steel frame with corrosion resis-
tant finish in heights from 8 to
24 inches. The stands shall have
adjustable legs for levelling with
1 inch of adjustment.

Turning vanes are available for
down discharge units (minimum
height for a floor stand c/w
Turning Vane is 12 inches). For
floor stands greater than 24
inches please consult factory.



DISCHARGE & RETURN AIR PLENUMS Factory plenums match unit and allows upflow units to supply air directly to space. Plenum has front double deflection grilles and is internally insulated. Return air plenums are available to match units in customer specified heights with and without filter access doors.



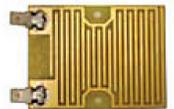
CONDENSATE PUMP

Condensate pump shall remove condensate from
evaporator and humidifier when a drain is not avail-
able near by. Pump is shipped loose
for field installation. Optional factory
mounted and wired pumps are available
for some models. Pump shall be capable
of 37 GPH at 20' of head.



SINGLE POINT LIQUID DETECTION

Liquid detection shall consist of a single
point liquid sensor. Sensor wires
directly into the microprocessor
and includes 10 feet of wire for
field placement.



CABLE LIQUID DETECTION

Liquid detection shall consist of liquid
cable sensor. Cable wires directly into the micro-
processor and includes 10 feet of wire to extend to
the bottom of the unit and 15
feet of sensing cable shall be
supplied with the unit for field
placement.



HIGH LIMIT CUT OUT

Factory mounted and wired to shut the unit down in
the event of high heat detection (130F).

SMOKE DETECTOR

Smoke detector is factory mounted and wired
to shut unit down in the event of the presence
of smoke.



SPRING OPEN/CLOSE CHILLED WATER VALVE ACTUATOR

Chilled Water Valve (CW) actuator to position
CW valve in Open or Close upon loss of power.



2-30 TON UNITS | VERTICAL FLOOR MOUNT UNITS SERIES 6, 8 & 9

Single Circuit for Superior Economy & Dual Circuit for Ultimate Protection



WHO WE ARE

ClimateWorx International Inc. is focused on research, design, manufacture and application of Precision Air Conditioning Equipment providing reliable mission critical climate control. ClimateWorx's offering and design capabilities can meet your specifications with product lines of vertical floor mount, wall mount, ceiling mount, plenum fan and in-row units.

ClimateWorx, a family owned and operated business is fully committed to offering superior service and state of the art quality standards to satisfy our customers' needs. Our dedicated research and development team works continuously to improve the current product line as well as focusing on the development of new products that are needed to compete in the Data Center Cooling arena.

With the support of solid market leaders, including BMP Metals Inc. (www.bmpmetals.com) and CableTalk Systems Inc. (www.cabletalk.com) which have been providing quality integrated solutions for nearly three decades, ClimateWorx can offer comprehensive solutions for all your Data Centre needs.

OUR MISSION

To offer superior service and state of the art quality standards for the mutual benefit of our customers and employees.

OUR VISION

We will be globally recognized as a leader in the design and manufacture of innovative, quality solutions that satisfy the requirements of "mission-critical" environments.

ROBERT R. BÉDARD

Director

rrbedard@climaworxinternational.com

1-800-648-2584



CLIMATEWORX INTERNATIONAL INC.

14 Chelsea Lane
Brampton ON, L6T 3Y4, Canada
Tel: (905) 405-0800
Fax: (905) 405-0807
1-800-648-2584

ISO 9001:2015

All rights reserved.

In the interest of continuous improvement, ClimateWorx reserves the right to change specifications without notice.

All ClimateWorx International Series 6/8/9 equipment are ETL listed to comply to UL-1995 and CAN/CSA-C22.2 No. 236 for Heating & Cooling Equipment. 

FOR ALL SPECIAL REQUIREMENTS, PLEASE CONTACT US

BEMPRO GLOBAL GROUP

ClimateWorx International Inc. is part of the Bempro Global Group of companies.

COLE-CW-S689-B 2018.05.01

VISIT WWW.CLIMATEWORXINTERNATIONAL.COM FOR MORE PRODUCTS