

REDBACK



CHILLER

COOL YOUR ROOM BY UP TO 10°C

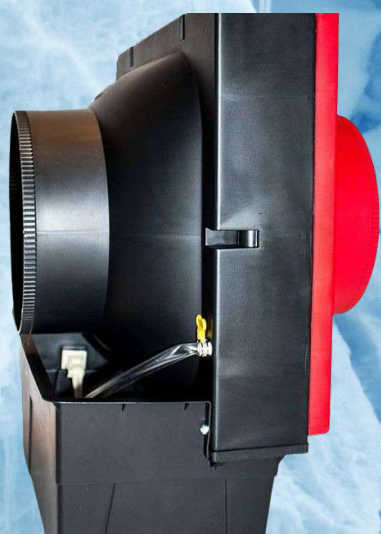
EFFICIENT COOLING

Redback Chiller is the most efficient evaporative cooler on the market. Redback Chiller is a step above the competition with its improved evaporative core and newly refined tapered flange design.

Simply install a Redback Chiller before your intake fan and reduce grow room temperatures by up to 10°C in dry-to-temperate climates.



Single Sided 300 mm Flange



Double Sided 300 mm Flange

FULLY ASSEMBLED

Redback Chiller comes fully assembled in the box and includes a water pump and float-valve. Connect directly to a gravity fed reservoir or mains water via 13 mm hose.

Centrifugal fan or Mixed Flow fan (not included) are recommended for high volume cool air delivery.

Available in single or double sided 300 mm duct flanges.

STEP DOWN COLLARS

Redback Step Down Collars provide an 'all in one' solution for reducing ducting. Step Down Collars are suitable for use on fans, duct, carbon filters and chillers. Each step down collar provides a 5 mm tapered reducing option to ensure a perfect fit every time. The affordable, single reducing collar option.

- 305 mm - 300 mm
- 255 mm - 250 mm
- 205 mm - 200 mm
- 155 mm - 150 mm



WHG
Wholesale Horticultural Group



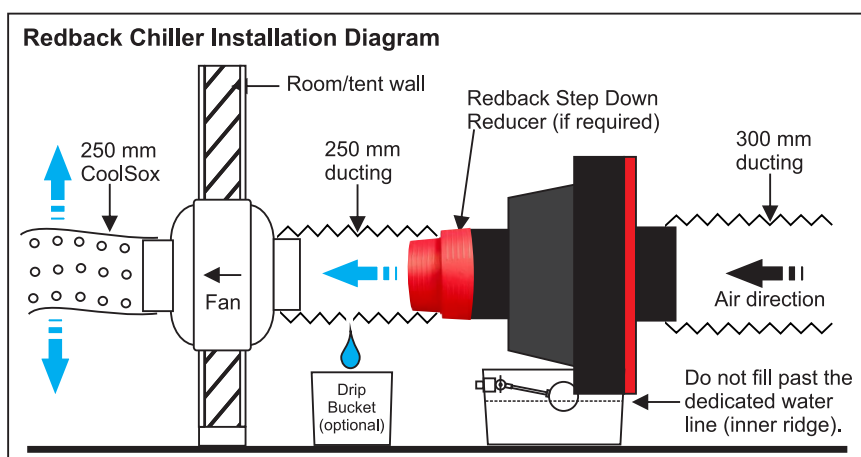
INSTALLATION GUIDE

Redback Chillers and Coolsox create the perfect environment for maximum growth, reduced pests and bigger yields.

Are your plants looking tired or dry? Do you have insect infestations, slow growth and/or fluffy flowers? Often these problems are caused from too much heat and poor air ventilation. Adequate lighting and air exchange are the key aspects to a perfect grow room. Get this right and you will reap the benefits. Swap out your old school oscillating fans that can cause wind burn and pockets of hot, stale air where insects thrive. Achieve cool, even air movement with just one intake fan and a Redback Chiller/ Coolsox Inlet Air System.

Redback Chiller Installation Guide

- 1) Install your redback chiller 1 metre outside your grow space whenever possible (can be used inside if you have the room). Always face the back of the Chiller towards the fan so that the angled housing can catch excess water and return it back to the bottom reservoir.
- 2) Install the fan. Centrifugal or mixed flow fans are recommended for superior air movement and maximum cooling efficiency. Securely mount your inlet fan into the grow space wall so that the fan collar is visible from inside the grow space. If the fan collar is too short to extend into the grow space, an extra duct extension collar may be required. You will need at least 50 mm exposed collar to connect the Coolsox later.
- 3) Connect approx. 1 metre length of duct between the chiller and the fan (duct not included). A minimum length of 1m is advised. This helps to create an even draw of air on the cooling pad for maximum cooling efficiency. This also acts as a secondary water catchment just in case the cooler spits excessive moisture caused by more powerful fans. If this occurs, cut a small slot in the bottom of the duct (half-way between chiller & fan) to allow drainage into a bucket or container. Empty if/when required.
- 4) Use a Redback Step Down Reducer Collar to reduce your duct size. The Redback Chiller can become less efficient under reduced airflow. For larger rooms consider using 300 mm diameter duct wherever possible. For smaller duct size, a high powered centrifugal or mixed flow fan is advised. Use 1 metre of duct between the fan and chiller to help provide a more even draw of air through the cooling pad.
- 5) Connect the Redback chiller pump and inlet fan to power. Both may need a plug in timer (not included) if you wish to cycle between lights on/off period.
- 6) Add water to the tank. Avoid overfilling. Never fill past the dedicated water line (inner ridge) located in the Redback Chiller reservoir.
- 7) Connect the Redback chiller to either reduced mains water pressure, or to a backup reservoir to provide a constant water supply using pressure rated 13 mm garden hose. Adjust the ball float arm downward if the water level fills above the dedicated water line. To adjust, simply loosen the wing nut on the ball float elbow joint and tighten again in a lower ball position.



Coolsox are designed to evenly disburse air through hundreds of pre-perforated holes. This creates a cool air blanket that pushes the hot air upwards and away from your plants. Coolsox can be snugly fitted around right-angle corners, up walls, across ceilings, or woven between your plants. For perfect right angle corners simply karate chop the corners as the Coolsox inflate.

Coolsox Installation Guide

- 1) Securely connect one end of the Coolsox (inside the room) to the collar of your inlet fan.
- 2) Lay Coolsox around the edge of your room and tie off at the desired length using a zip tie.
- 3) Turn on both the redback chiller and fan and watch Coolsox inflate in minutes!

COOLSOX

