



QRA International (Singapore) proudly presents the first in the Asia Pacific, QRA Athletic Environmental Chamber. Designed with the sole purpose of body conditioning of elite and recreational athletes, the chamber can control the following :

Environmental Parameters

- a) Temperature Range : - 20 deg C to + 50 deg C**
- b) Humidity Range : 10 to 98 %**
- c) Hypoxic (altitude) Range : Sea level up to 9000 m**
- d) Carbon Dioxide Control : 400 parts per million (ppm) minimum to Within 2000 ppm**
- e) Wind simulation : 0 to 15 m / s**
- f) Sunlight Simulation : 400 to 1200 W / m2**

QRA's Athletic chamber can simulate different kinds of weather, hot and dry, hot and humid, cold and humid and cold and dry for example and incorporation sunlight spectrum, altitude conditions as well as CO2 control to accommodate both the athlete's long term training as well as providing for the sports scientists perfect weather conditions at any time, night or day.



Typical Training Set Up within Chamber

2 Possibilities

- 1. Complete Environmental Chamber Installation and Commissioning**
 - a) Worldwide**
 - b) From 4 months delivery upon Purchase Confirmation and Downpayment**
 - c) Chamber utilising Polyurethane sandwich panels, many sizes**
 - d) Stainless steel or Galvanised Sheet steel with desired colour**
 - e) Non – Slip Weight Bearing Epoxy Floor**
- 2. Upgrade of Existing Gym or Training Rooms to incorporate any or all of the Environmental Parameters controllable by touch screen colour Controller and option of Hand Held Phone Monitoring.**

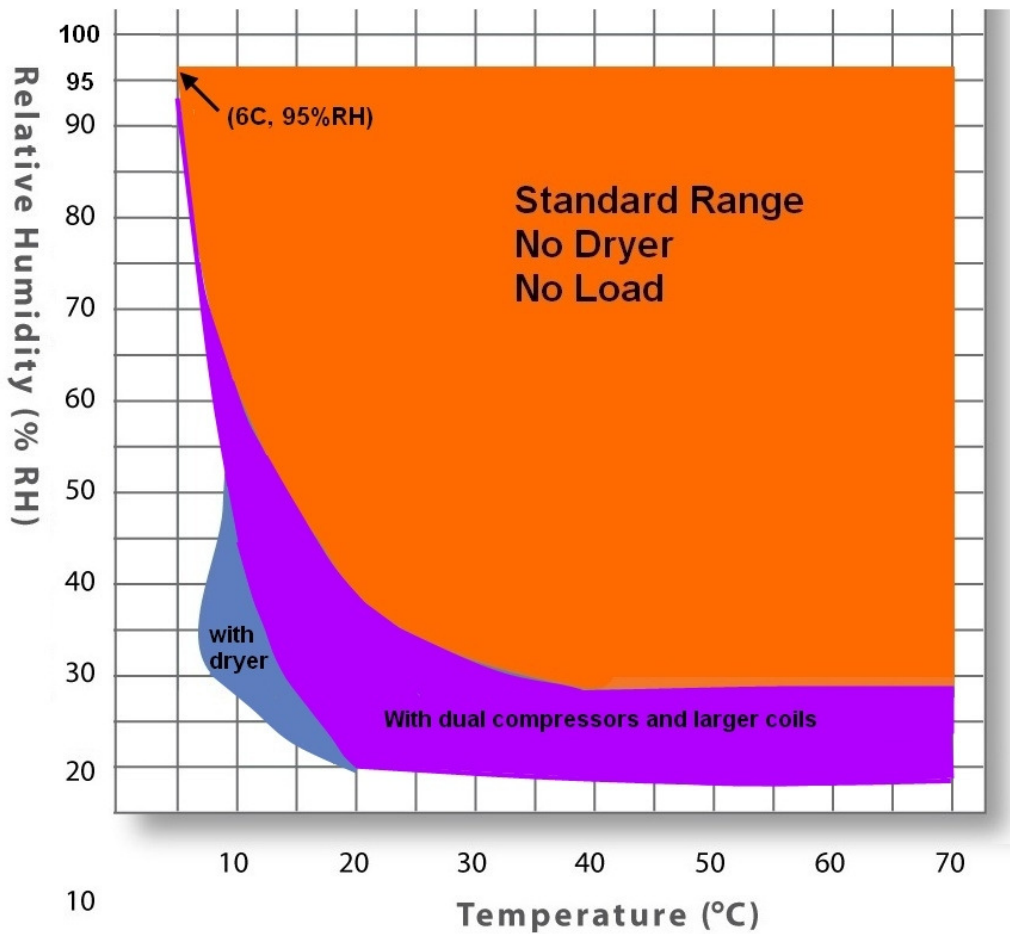


Easy to Use Colourful Touch Screen Panels

Basic Standard Chamber Specifications

- a) From 18 cubic meters (3 x 3 x 2 m) size
- b) Temperature and Humidity Control
- c) Big Viewing window (multiple glazed) on wall and door
- d) Access Ports for Cables and Wires
- e) Indoor Waterproof Lighting (ergonomic with dimmer control)
- f) Waterproof Sockets and Data Ports
- g) LCD Touch Screen Colour Controllers
- h) 6 Channel Paperless Colour Data Recorder
- i) IEC Safety Features for every module
- j) Fresh air control
- k) Non – slip Epoxy Floor

I) Non drift sensors for Temperature and Humidity



Wide Range of Temperature and Humidity

Optional Features

- a) CO₂ control (fresh air / scrubber)
- b) O₂ Hypoxic Control
- c) Sunlight Simulation
- d) Wind Speed Control (Height Adjustable)
- e) Uninterrupted Power Supply
- f) CCTV Camera
- g) Sample Transfer Window
- h) Handheld Monitoring by Handphone



Wind Simulators inside Chamber and Big Viewing Window

QRA has proudly installed numerous Athletic Chambers in Asia and we would be most pleased to provide consultancy and quotations.

We are Most Pleased to be of Service to You :

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