

Air Treatment Unit

ATU-1000-60

For the ultimate in flexibility...

There will be occasions when a standard chamber or even a walk-in test room will not accommodate your test item effectively. CVMS °Climatic have developed the ATU in order to deliver temperature-conditioned air into a temporary (or permanent) insulated enclosure, which will contain the test item; complete with any ancillary equipment or test fixtures. Any mechanical rigs, electronic test or monitoring equipment can be kept safely outside the temperature controlled zone. The ATU can be extremely effective in cases where there is a requirement to isolate part of a large assembly for testing or temperature conditioning while avoiding the necessity for a partial or complete strip-down.



specifications

dimensions: w1250 x d1880 x h1980 (mm)

temperature range: -60°C ... +120°C

heating rate: -60°C to +120°C ≤30min.

cooling rate: +120°C to 0°C ≤15min.

0°C to -40°C ≤10min.

0°C to -60°C ≤40min.

performance *

* ATU-1000-60 performance was measured using a 1000 litre insulated enclosure with 100kg steel test load. Air delivery and return via 2 x 2m (200mm dia.) insulated hoses. Control sensor inside enclosure.

standard features

colour touch screen controller

RS232 communications

control and safety sensors positioned inside test enclosure

options

stainless steel exterior

password controller lock

remote control / monitoring software

safe heating systems

water-cooled condenser

insulated hose sets

bespoke insulated enclosures

air-dryer

double evaporator system for extended low-temperature testing