

# SlimLine-ACUs

## SlimLine Air Conditioning Units (ACUs)



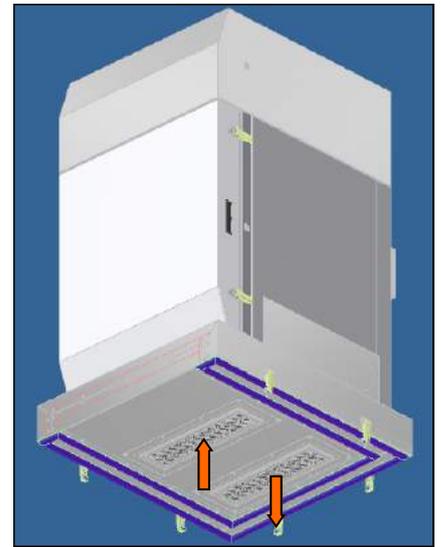
- **Economical thermal control of custom enclosures**
- **Wide temperature ranges (+170 to -80°C)**
- **Humidity option**
- **Microprocessor control**
- **SIMPLE *touch* programmer**
- **Remote sensing**
- **Flexible insulated hoses, or Direct Connection option**
- **Small footprint with integral plant**
- **Modern styling**

## Air Conditioning Units

Sharetree Air Conditioning Units (ACUs) are specifically designed for re-circulating conditioned air through a variety of custom built product enclosures, or directly to products. ACUs are used where a standard test chamber cannot easily be fitted around the product. Custom designed product enclosures can also be supplied, if required. Remote sensing ensures good thermal control of the test enclosure.

The SlimLine ACUs offer an economical answer for many applications and feature wide temperature and humidity control options, with remote sensing at the load, if required. Compressor cooling is used for -30°C (single-stage) and -60°C (cascade) models and liquid nitrogen (LN2) cooling for the -80°C model.

The Sharetree **SIMPLEtouch** touch-screen programmer is now standard on all models. This simplifies the operator interface and enables complex profiles to be programmed, data logged, and displayed graphically. (See the separate **SIMPLEtouch** brochure).



Optional Direct Connection arrangement

## Interface options

The standard interface to the custom enclosure is by means of flexible insulated hoses. An alternative Direct Connection arrangement is possible with some enclosures (see above). The inlet and outlet vents are ported from the bottom of the ACU directly into the custom enclosure to give the maximum possible airflow and even better control.

MODEL RANGE	units	Order Codes	Basic models			
			T/SL-ACU /-30 ME	T/SL-ACU /-60 ME	TH/SL-ACU /-30 ME	T/SL-ACU /-80 LN
Temperature (max)	°C		170	170	170	170
Temperature (min)	°C		-30	-60	-30	-80
Humidity (20-90°C)	%RH		-	-	10-95	-
Airflow rate*	Litres/min		18,000	18,000	18,000	18,000
Heating rate*	°C/min		3	3	3	5
Cooling rate*	°C/min		2	2	2	5
Plant type			Single-stage	Cascade	Single-stage	LN2
Mains supply			220v/50Hz			
External size	mm		1230h x 815w x 1000d			
	* Closed-loop configuration (custom enclosure and product load may reduce these figures)					
<b>Options:</b>						
Insulated hoses (pair)	150 id x 3000 mm	IH150	•	•	•	•
Hose adaptors (pair)	150 id mm	HA150	•	•	•	•
High temperature (250°C)		HT				•
Product protection		PP	•	•	•	•
Direct Connection	Custom feature — please contact factory					

Agent:



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Specifications may vary as part of our policy of continuing product improvement

Sharetree products are designed, manufactured and supported in the UK



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