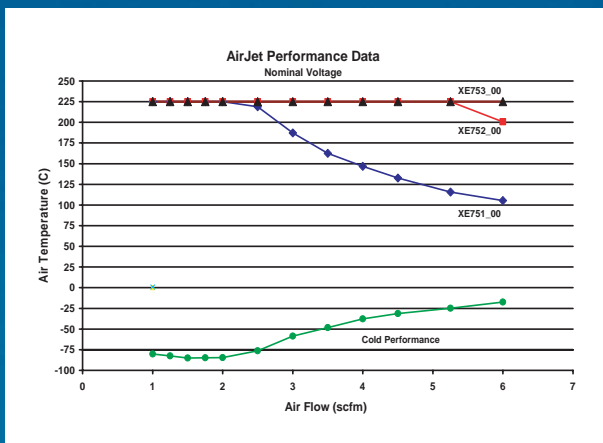


Air-Jet XE™ Precision Temperature Cycling System

The Air-Jet delivers:

- -75° to +225°C in compact size
- Fastest benchtop temperature cycling rates
- Self-contained design doesn't require liquid nitrogen or other external temperature source
- Temperature control and monitoring from either an external or internal thermocouple
- Excellent stability, accuracy and repeatability
- Multi-temperature tests at the touch of a button
- Compatibility with automatic test equipment using GPIB or RS485 interface
- Flow rates adjustable from 1.0 to 6.0 scfm
- Small enough to be rack mounted



Options:

- Manual holding arm for positioning and securing shroud over DUT
- Air Dryer lets you use shop air
~Includes pressure regulator, pressure gauge, oil filter, particle filter, and heatless regenerative air dryer
~Requires an inlet pressure of 100 psig and a flow rate of 10 scfm
- Assortment of shrouds for different applications
- Mobile Integrator with casters for mobility

Full Mil-spec temperature range, at a variety of airflow rates, in a compact benchtop system



XE75 w/optional Mobile Integrator

With Air-Jet XE you get robust testing capabilities at your bench, using widely available air and 120 volt facilities (220 volt also available).

Air-Jet Physical Characteristics

Controller Dimensions	9.3 W x 7 D x 8.2 H (23.6cm x 17.8cm x 20.8cm)
Refrigeration Dimensions	14.9 W x 23.7 D x 16.12 H (37.9cm x 60.19cm x 40.9cm)
Air Dryer Dimensions	12"W x 8"D x 27" H (30.7cm x 20.3cm x 70.6cm)
Weight: Controller	9.0 lbs. (4.08kg)
Dryer	43.0 lbs. (19.5kg)
Refrigeration	120.0 lbs. (54.4kg)



Call 800-824-0400 or
visit www.ftssystems.com

Air-Jet Specifications

XE751_00

XE752_00

XE753_00

Temperature Range

2 scfm	-75°C to +225°C	-75°C to +225°C	-75°C to +225°C
3 scfm	-55°C to +185°C	-55°C to +225°C	-55°C to +225°C
4 scfm	-35°C to +145°C	-35°C to +225°C	-35°C to +225°C
5 scfm	-25°C to +125°C	-25°C to +225°C	-25°C to +225°C
6 scfm	-15°C to +100°C	-15°C to +200°C	-15°C to +225°C

Transition Data

2 scfm	-55°C to +125°C, <10 seconds	-55°C to +125°C, <10 seconds	-55°C to +125°C, <10 seconds (est.)
2 scfm	+125°C to -55°C, <20 seconds	+125°C to -55°C, <20 seconds	+125°C to -55°C, <20 seconds (est.)
4 scfm	-25°C to +100°C, <10 seconds	-25°C to +125°C, <10 seconds	-25°C to +125°C, <10 seconds (est.)
4 scfm	+100°C to -25°C, <20 seconds	+125°C to -25°C, <20 seconds	+125°C to -25°C, <20 seconds (est.)

System Requirements

Electrical	120VAC, 60Hz 1 phase, 15A	120VAC, 60Hz 1 phase, 20A	220VAC, 50Hz 1 phase, 13A
Air/gas	Clean Dry Air (CDA) @ 75 PSI, -80°C Dewpoint		
Environment	23°C to 30 °C (72°F to 86°F), <75% Humidity		

Safeties

Built-in overtemperature safety/indicator
Built-in low flow safety/indicator

Other Specifications (On All Models)*

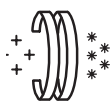
Control	PID	Thermocouple	Type K
Stability	±0.5°	Flow	1 to 6 scfm
Repeatability	±0.5°	Air transfer line	8 ft. (2.4m)
Resolution	0.1°C	Refrigeration	Dual Stage Cascade Refrigeration System

* Designed to run at 75PSIG.

Optional Shrouds

SH35T1	Shroud, transparent, 3.5" ID x 2" deep
SH45T1	Shroud, transparent, 4.5" ID x 2" deep
SH55T1	Shroud, transparent, 5.5" ID x 2" deep
TJ-SHP-35	Shroud, phenolic, 3.5" ID x 2" deep
TJ-SHP-45	Shroud, phenolic, 4.5" ID x 2" deep
TJ-SHP-55	Shroud, phenolic, 5.5" ID x 2" deep

Other shrouds available upon request.



FTS[™]
S Y S T E M S

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