

LSX Low Smoke Converter

Operator's Manual

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Note: Please read entire manual before operating the LSX

Introduction

Congratulations on your purchase of a Ultratec Special Effects LSX Low Smoke Converter. With basic care, your LSX will provide years of trouble-free performance. The LSX is a product of many years of research and development resulting in a machine with many fine features and exceptional reliability.

This manual contains detailed information on the operation of your LSX. Please take a few moments to read it over carefully before use, and keep it handy for your reference.



Warning

Important Safety Instructions:

1. Do not remove the outer case.
2. Persons suffering from asthma or allergenic sensitivity may experience irritation, discomfort or allergic symptoms when exposed to fog effects.
3. Ensure that this unit is grounded at all times. Failure to do so may result in serious injury.
4. Contains reffridgeration fluid.
5. Use Ultratec Special Effects fluid **ONLY** for accompanying fog machine.

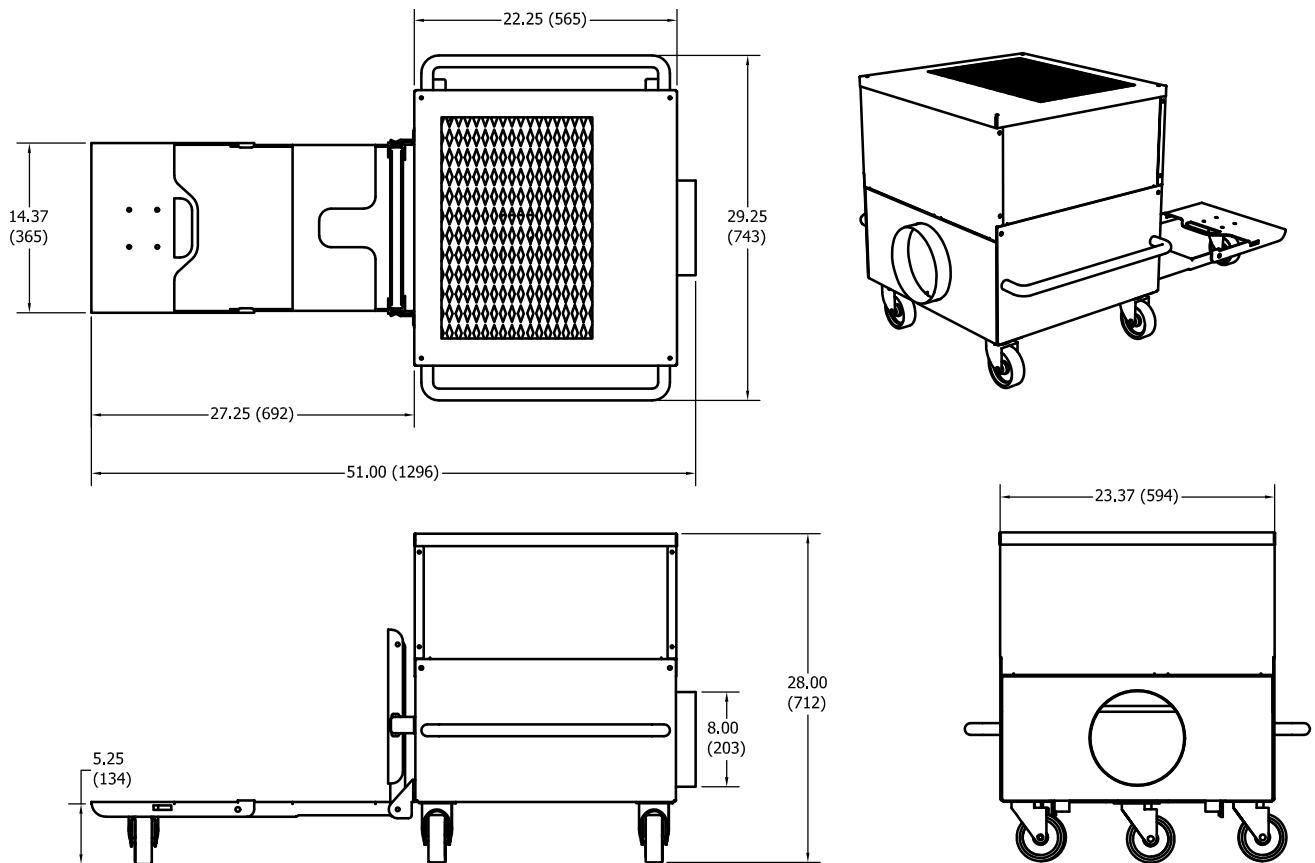
Safety Precautions

1. Ensure that any operation of the machine is supervised by suitably trained and authorized personnel.
2. Do not modify the machine or use a machine which has been damaged in any way.
3. Allow sufficient air circulation around the machine at all times.
4. Protect the machine from direct weather effects and wet locations.
5. Only use fluids manufactured by Ultratec Special Effects.
6. Do not continue to produce fog when visibility is reduced to 20" 50cm or below.
7. Avoid directing fog output continuously at people, structures or objects within close proximity of the discharge nozzle.
8. Ensure that adequate exhausting arrangements are available in the event of an emergency.
9. Do not place hands or exposed skin within the first 20" (50 cm) of the discharge nozzle at any time during fog production.
10. Fog effects can trigger smoke alarms and detectors. Please take suitable precautions to prevent false alarms.
11. Unit must remain upright.
12. Protect from vibration and shock while transporting.

Technical Specifications

Model:	LSX Low Smoke Converter	
Part Number:	CLF 2930 - LSX Low Smoke Converter - 120 volt CLF 2915 - LSX Low Smoke Converter - 220-240 volt	
Length:	59in	150cm
Width:	29.5in	75cm
Height:	28in	71cm
Net Weight:	150lbs	68kg
Power Rating:	120 Volt A.C. 50/60 Hz. 12 Amps. 240 Volt A.C. 50/60 Hz. 6 Amps.	
Fluid:	Ultratec Special Effects Water Base Fog Fluid	

Technical Drawings



Operating Procedure

1. During use this machine generates condensation. After use the LSX should be drained via the drain valve.
CAUTION: This may cause the floor to become very slippery. This may also inhibit the performance of the LSX unit.
2. This unit requires a 15 amp circuit to run properly. The use of any extension cords or shared circuit is strongly not recommended.
3. To achieve optimum effect, it is essential that Ultratec Special Effect's Molecular Fog Fluid is used in the LSX Low Smoke Converter.
4. The LSX unit is controlled by a user-friendly panel. When the system switch is in the 'On' position and illuminated, power is established to the LSX unit. A 'green led' is provided to indicate the compressor is operating.
5. An Automatic Reset Low Pressure Switch is provided as protection against compressor damage. If the Low Pressure Switch has been activated the 'Red' LED will illuminate (the 'Green' LED will not be illuminated).
6. The Variable Fan Control regulates Fog Density Output. Some experimenting will produce various effects. An OFF position is provided on this control. It is not recommended that this control be left in the off position as this will eventually result in activation of the Low Pressure Switch and cause a freeze up condition.

Control Panel Operations

1. Fan Knob: this controls the speed of the lower fan. Turning clockwise reduces the speed. Off is at the counter clockwise end.
Note: It is not recommended to leave the control left in the 'Off' position or in a very low setting, the low pressure switch may activate turning off the compressor.
2. Low Pressure Light: when lit, indicates that Low Pressure Protection has been activated. The Low Pressure Switch will automatically reset but may take 2 - 3 cycles to start, unless a leak has occurred in the system.
3. Compressor Light: compressor is operating normal when lit.
4. Power Switch: power is on when lit.
Note: A cooler ambient temperature may result in activation of Low Pressure Switch within a short period of time after initial start up. To remedy this problem the unit can be stored in a warm location, a "load" can be put on the cooling chamber by introducing warm fog into the unit just after start up, or by simply covering the top of the unit to stop air flow.



Before Requesting Service

If LSX will not Power Up	Check Power source and connections
Green 'LED' is not illuminated & Red 'LED' is illuminated	Low Pressure Switch has tripped, allow for Auto Reset
Low Pressure Switch will not Auto Rest. Red 'LED' remains illuminated	Low Refridgerant Charge (Contact Local Dealer)
Fog will not remain on ground	<ol style="list-style-type: none"> 1. Ensure the use of Ultratec Special Effects Fluid 2. Check digital temperature display reading for coil temperature 3. Check Green and Red 'LED' see above
Green 'LED' goes out when unit is operating and Red 'LED' doesn't illuminate	Check Power Source for sufficient voltage. Do NOT use extension cords.
Condensation on floor / Floor seems slippery	<ol style="list-style-type: none"> 4. Too much fog going through LSX 5. Fog machine nozzel is too close to LSX 6. Reduce fog output, or duration

Recommended Fluids

Molecular Fog Fluid: A faster dissipation versus the Director's Choice Fog Fluid. This thick, clean, white fog is an optimal solution for a dense low-lying fog effect when chilled with the LSG or LSX machines.

Warranty

Warranty:	Hardware products come with a one year warranty on parts and labor. Unless stated otherwise, this will refer to manufacturer defects only. All warranty is based on destination of the original sale. Any additional costs incurred are the responsibility of the Dealer and/ or the customer. Abuse or poor maintenance is not accepted. Proof of purchase or proof of sale must always accompany all warranty returns. An RA (Return Authorization) number must be noted on the outside of each box being returned to our facility. Any package(s) without an RA number clearly marked, will not be accepted by our receiving department. Freight on warranty items are freight prepaid to our facility and we will prepay freight back to your facility following repair. This will be done by the most economical means available. Should you require the item express-returned, the dealer is responsible for request indication and any difference in freight cost. Export Distributors are required to carry out the warranty repair, parts will be supplied by Ultratec.
Return Policy:	Return of any product must be done within 30 days of purchase. The package must be returned freight prepaid and the RA number clearly marked on the outside of the box.
Warning:	Ultratec Special Effects considers all of it's product to be safe for use in the application it was intended. Ultratec Special Effects takes no responsibility for misuse or incorrect use. Always refer to the Product Manual for proper use.

Contact Information

Head Office

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Canadian Shipping Address

(For All Canadian Repairs)
Ultratec Special Effects
1960 Blue Heron Drive
London, Ontario N6H 5L9

USA Shipping Address

(For All USA Repairs)
Ultratec Special Effects
640 Gadson Street
Groveland, Florida 34736

Please remember to include the **RA Number on all items being shipped for repairs.**

To retrieve an RA Number visit www.ultratecfx.com and click on the "Service" section. Then click on "Return Authorization Request" which is located on the left hand side of the page.

If you have any questions or require assistance please contact service at 519-951-3357/866-534-5557 or by email at Service@Ultratecfx.com.