

ATMOSPHERIC GENERATOR



theONE™

theONE™ and only atmospheric generator you'll ever need

The award-winning theONE's revolutionary technology means this fully digital atmospheric generator creates fog or haze effects from a single source.

Its construction and features make theONE™ perfect for rental and international touring.

FEATURES

theONE™



■ Dual mode: Haze and Fog

Seamless switching between haze and fog modes.

■ Automatic Purging System™ (APS™)

This system purges the heating module after the first heating cycle and after every emission of haze/fog preventing residual build up and clogging.

■ Networking capabilities

theONE™ is the first atmospheric generator with networking capabilities. It can be controlled through its DMX/RDM connector or RJ45 node (Pathport embedded, ACN, ART-Net, ETCNet 2 & 3 and SHOWNet protocols). USB 2.0 Link connector for updates.

■ Automatic Refill System™ (ARS™)

Specially designed to give maximum, consecutive, non-stop hours of haze/fog without interruption, theONE™ automatically refills its internal fluid reservoir from an external 20 L (5.3 US gallon) container as required.

■ Integral Touring Fan

External dual-position, adjustable fan with dedicated control channel which travels in its own compartment within the touring cradle. Can be mounted above or below haze/fog output to adjust directional flow.

■ Total running time

theONE™, running at full intensity, will generate 308 hours of haze and 20 hours of fog from its 20 L fluid container. Gas bottle will need to be changed at 50 hours for haze and 15 hours for fog. This can be done during operation without interruption of fog or haze emission.

■ Operating voltage

theONE™ is unique in being the only atmospheric generator to offer automatic detection of universal voltage rating from 100-250 VAC, 50/60 Hz, single phase.

■ Certification

theONE™ is a truly global product being CE certified, CSA and UL approved.

■ Touring cradle

theONE™ cradle contains the generator, its fan and a convenient tool drawer, and accommodates our 20 L fluid container and, uniquely, all known sizes of 9kg (20 lb) CO₂ or N₂ gas bottle, within a single robust aluminium frame. Exceeding PLASA rigging standards the cradle is designed for rigging, stacking and rolling and sized to fit standard trucks/containers. The touring cradle ensures theONE™ is fit and ready for worldwide touring.

MDG

MDGFOG.COM

ATMOSPHERIC GENERATOR

TECHNICAL DATA

	theONE™ - Fog mode	theONE™ - Haze mode
Consumables		
Fluid consumption per hour at maximum output	1 litre (33.8 oz) at 2.75 bar (40 psi)	65 ml (2.20 oz) at 2.07 bar (30 psi)
Fog Volume per minute at maximum output	100 m³ (3,531 ft³)	N/A
Fog volume control	Yes - variable	Yes - variable
Gas Consumption (CO ₂ or N ₂) per hour at maximum output	1.16 kg (2.56 lb)	0.35 kg (0.77 lb)
Automatic Purging System (APS™)	Yes - Standard	Yes - Standard
Fog / haze colour	Pure White	Pure White
Particle size	0.5 -0.7 micron	0.5 - 0.7 micron
Total running time (20-litre container, full intensity)	20 hours	308 hours
Fluid type (SDS available on mdgfog.com)	MDG Neutral Fluid	MDG Neutral Fluid
Operation		
Operating voltage	100 - 250 VAC, 50/60 Hz	100 - 250 VAC, 50/60 Hz
Power consumption	1100 - 1480 Watts	1100 - 1480 Watts
Approval	CE certified, CSA and UL approved	CE certified, CSA and UL approved
Warm-up time	< 8 minutes	< 8 minutes
Physical		
	Generator	Cradle
Weight	23 kg (50 lb)	33.5 kg (74 lb)
Shipping weight	25 kg (55 lb)	36 kg (80 lb)
Total operating weight (North-American gas bottles and a full 20 L fluid container)		120 kg (265 lb)
DMX	Yes	N/A
RJ45	Yes –ACN	N/A
DMX fan		Yes – Touring Version only
Display	5 buttons controller with LCD panel	N/A
Truss mounting	N/A	Yes - 3 x 750 kg rated coupling holes
Height	61 cm (24")	106 cm (42")
Width	25 cm (10")	76 cm (30")
Depth	30 cm (12")	61 cm (24")

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theONE™ | FLUID AND ACCESSORIES



MDG NEUTRAL FLUID

MDG Neutral fluid is a highly refined and filtered white mineral oil-base fog and haze fluid.

Available in the following sizes:
4 L (1 US gallon) bottle (box of 4), 20 L (5.3 US gallon) container, 200 L (53 US gallon) drum,
1000 L (264 US gallon) tote/container



Gas accessories 9 KG (20 LB) CO₂

North American
aluminium gas bottle
(DOT and TC approved).



theONE™ TOURING CRADLE



theONE™ FLIGHT CASE



Gas accessories CO₂ REFILLING KIT

- 2x CGA320
North American fittings
- 2x Euro fittings
- 1x Euro and
1x North American fitting



theONE™ PROTECTIVE HOUSING

High quality padded softcase

