



# JEM Hazer Pro

The JEM Hazer Pro is a top of the range water-based haze machine designed for the highly demanding professional market. Its ability to produce exceptionally fine atmospheric haze in a short period of time while operating at low noise levels makes it an ideal choice for rental houses, medium to large shows, theatres, studios, clubs, bars, cruise ships, theme parks and more.

Robust yet small and lightweight, the JEM Hazer Pro™ is capable of dispersing an even, continuous haze with superior optical clarity and reflectivity, the perfect small-particle haze for highlighting today's highly defined light beams. The highly efficient JEM C-Plus Haze fluid was developed for the JEM Hazer Pro and a full reservoir can yield up to 65 hours of run time before refilling is necessary.

## GALLERY



The JEM Hazer Pro features a patented battery-powered automatic shutdown system that purges the trackless heat exchanger system, thus preventing clogging, reducing maintenance and extending product life. Robust control options allow the machine to be controlled independently, remotely or with DMX featuring RDM compatibility.

Finest haze production in its class

Programmable fast access control keys

Actors' Equity/Broadway League Approved.

## FEATURES

- Continuous effect output.
- Water-based fluid provides dense particles and even haze.
- Sealed fluid system with quick-connect fittings.
- 2.5 liter fluid reservoir - 10.5 hours on full output.
- User-friendly on-board digital control panel.
- Pre-programmed "silent" mode.
- Independent variable haze and fan control.
- DMX Control with RDM Standard.
- Road-worthy industrial design.
- Lightweight and small footprint.
- Optional Flying Kit and Digital Remote Control.
- Battery powered automatic shutdown system - prevents clogging.

## TECHNICAL SPECIFICATIONS

### Physical

Length: 565 mm (22.3 in.)  
Width: 271 mm (10.7 in.)  
Height: 298 mm (11.8 in.)  
Height with rigging kit: 294 mm (11.6 in.)  
Dry weight: 15 kg (33.1 lbs.)  
Filled weight: 17.5 kg (38.6 lbs.)

### Performance

Coverage volume: 5500 m<sup>3</sup> (194,231 ft<sup>3</sup>) per minute  
Operating time with 2.5 l fluid (minimum/maximum): 10.5/65 hours

Operating time: Continuous  
Ready time: 6 minutes  
Ambient noise: Silent mode

#### Control and Programming

Control options: Digital control panel, programmable fast access keys, DMX, optional digital remote control, master/slave link mode  
Control parameters: Continuous or timer-controlled output  
Haze and fan: Independent variable output, 0-100%  
DMX channels: 3 (Haze, Fan, Control)  
Self cleaning cycle: Battery powered automatic shutdown, manually engaged, or DMX  
DMX compliance: ANSI E1.11 - USITT DMX512-A  
RDM compliance: ANSI/ESTA E1.20 RDM

#### Construction

Housing: Steel and aluminum  
Color: Black  
Heat exchanger: 600 W trackless heat exchanger, thermally protected  
Blower fan: Integrated, 200-2500 RPM  
Fluid pump: Oscillating piston, high pressure  
Fluid management: Fluid out sensing, sealed for transportation  
Fluid reservoir: 2.5 l drop-in reservoir with quick-connect fitting

#### Installation

Mounting: Standing or optional flying kit  
Orientation: Up to +/- 30° from horizontal  
Clearance around machine: 100 mm (4.0 in.)

#### Connections

AC power: Neutrik PowerCon  
DMX, link mode in/out: 3-pin and 5-pin locking XLR  
Remote control: 3-pin locking XLR  
Firmware: AVR socket

#### Electrical

##### EU Model

AC power: 220-240 V, 50/60 Hz  
Main fuse: 6.3 AT (slow blow), 250 V  
Typical power and current: 675 W, 3.1 A\*

##### US Model

AC power: 100-130 V, 50/60 Hz  
Main fuse: 10 AT (slow blow), 125 V  
Typical power and current: 675 W, 6 A\*

\*Measurements made at nominal voltage. Allow for a deviation of +/- 10%

#### Thermal

Maximum ambient temperature (Ta max.): 40° C (104° F)  
Minimum ambient temperature (Ta min): 5° C (41° F)  
Exterior surface temperature, steady state: 30° C (86° F)  
Maximum nozzle temperature: 290° C (554° F)

#### Approvals

EU EMC: EN 61000-6-3:2001  
EU safety: EN 60 335-1+A15, EN 62233  
EU Immunity: EN 61000-6-1  
US safety (pending): UL 998  
Canadian Safety (pending): CSA C22.2 No. 104-01  
Australia/NZ: C-Tick N4241

*Calibration factors have been developed and approved by the Actors' Equity Association and the Broadway League for use in measuring theatrical haze with the JEM™ Hazer Pro and JEM™ C-Plus Haze Fluid:*

#### Included Items

Fluid reservoir 2.5 l: P/N 34300521  
Power input cable, EU, powerCON, stripped ends, 2.5 m (8.2 ft.): P/N 11501041  
Power input cable, US, powerCON, molded NEMA 5-15P, 2.5 m (8.2 ft.): P/N 11501042

#### Accessories

JEM™ Hazer Pro Digital Remote Control: P/N 92765042  
JEM™ Hazer Pro Flying Kit: P/N 92610002

#### Service Tools

Epsilon 5 AVR Programmer: P/N 50502004  
Temperature Calibration Box: P/N 92620005

#### Approved fluids

JEM™ C-Plus Haze Fluid  
JEM™ Pro Clean Supreme

\*Contact your dealer or see 'Fluids' product pages for details

#### Ordering Information

JEM™ Hazer Pro, US: P/N 92225945  
JEM™ Hazer Pro, EU: P/N 92225940

