



JEM ZR45

The JEM™ ZR45 is a high-end fog machine designed to deliver superior and uninterrupted performance in demanding professional applications. Via its enhanced and powerful 2,000 W heat exchanger, the JEM ZR45 produces an exceptional peak output ideal for major venues and stages in both install and rental markets.

The rugged yet weight-optimized JEM ZR45 also features variable output control for more subtle effects and is fully up-to-date with digital remote, DMX and RDM.

The entire JEM ZR range is compatible with a wide range of JEM Pro fog fluids. As machines designed and built to last, the JEM ZRs will continue to perform with great output and low consumption.

GALLERY



High endurance high-end fog machine

Exceptional performance and output

Various control options via digital remote, DMX and RDM

FEATURES

- 2,000 W (EU model) / 1,800 W (US model) heat exchanger
- 80 ml in 30 seconds peak performance
- 1300 m³/min fog output
- Variable output control for subtle effects
- 9-10 minute warm-up time
- Digital remote, DMX and RDM
- Compatible with a wide range of JEM Pro fog fluids
- Floor standing or truss mounting (bracket included)
- PowerCON TRUE1
- 5-liter bottle

TECHNICAL SPECIFICATIONS

Physical

Length: 602 mm (23.1 in.)

Width: 395 mm (15.6 in.)

Height: 306 mm (12.1 in.)

Height including hanging bracket: 393 mm (15.5 in.)

Dry weight: 17.7 kg (39.1 lb.)

Filled weight: 22.7 kg (50 lbs.)

Performance

Coverage volume: 1300 m³ (45,909 ft³) per minute

Fluid consumption (max.): 210 ml per minute

Continuous effect output

Ready time: 10 minutes

Control and Programming

Control options: Integrated digital remote control, DMX, optional analog remote control, master/slave link mode

Control parameters: Continuous or timer-controlled output

Fog: Variable output control, 0-100%

DMX channels: 1

DMX compliance: ANSI E1.11 - USITT DMX512-A

RDM compliance: ANSI E1.20

Construction

Housing: Steel and aluminum

Hanging bracket: Integrated yoke w/safety attachment point

Color: Black

Heat exchanger (US model): 1800 W, thermally protected
Heat exchanger (EU model): 2000 W, thermally protected
Fluid pump: Dual oscillating piston, high pressure
Fluid management: Fluid out sensing, sealed for transportation
Fluid reservoir: 5 l drop-in reservoir with quick-connect fitting
External fluid control: Fluid sensing
Remote control: Integrated Digital Remote with 3 m cable, 3-pin XLR

Installation

Mounting: Standing or hanging
Orientation: Up to +/- 40° from horizontal
Clearance around machine: 100 mm (4 in.)

Connections

AC Power: Neutrik PowerCON TRUE1
DMX, link mode in/out: 5-pin locking XLR
Remote control: 3-pin locking XLR
Firmware: AVR socket

Electrical

EU model:

AC power: 220-240 V nominal, 50/60 Hz
Main fuse: 12.5 AT (slow blow), 250 V
Typical power and current: 2100 W, 9.2 A*

US Model:

AC power: 100-130 V nominal, 50/60 Hz
Main fuse: 20 AT (slow blow), 125 V
Typical power and current: 1800 W, 15 A*

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

Thermal

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

Approvals

EU safety: EN 60335-1+A15, EN62233
EU EMC: EN 61000-6-3
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

Included Items

Fluid reservoir, 5 l: P/N 34300506
JEM™ ZR Series Digital Remote Control: P/N 55765048
Power input cable, EU, PowerCON TRUE1 connector, 3 m (9.8 ft.): P/N 11501043
Power input cable, US, PowerCON TRUE1 connector, 2 m (6.6 ft.): P/N 11501046

Accessories

Analog Remote Control: P/N 92765044
Ducting system, 5 m (16.4 ft.), JEM™ ZR45: P/N 92625014

Mains power input cables

Power input cable, 16 A, 14 AWG, SJT, 1.5 mm², H05VV-F, UL, VDE, with PowerCON TRUE1 NAC3FX-W connector, 1.5 m (4.9 ft.): P/N 11541513

Power Connectors

Cable connector, PowerCON TRUE1 NAC3FX-W, 16 A, female: P/N 05323416
Cable connector, PowerCON TRUE1 NAC3MX-W, 16 A, male: P/N 05343418

Compatible fluids

JEM™ Pro Steam Simulation Fluid™: Available in 9.5, 25, and 220 l containers
JEM™ Pro Smoke Studio: Available in 5 and 220 l containers
JEM™ Pro Smoke Super: Available in 5, 9.5, 25 and 220 l containers
JEM™ Pro Smoke High Density: Available in 5, 9.5 and 220 l containers
JEM™ I-Fog Fluid: Available in 5, 9.5, and 220 l containers
JEM™ Regular DJ Fluid: Available in 5, 9.5 and 220 l containers
JEM™ Pro Clean Supreme: Available in 2.5 l containers

**Various sizes available - contact your dealer or see 'Fluids' product pages for details:*

Installation hardware

G-clamp: P/N 91602003
Half-coupler clamp: P/N 91602005
Quick trigger clamp: P/N 91602007
Safety cable, safe working load 50 kg (110.3 lbs.): P/N 91604003

Service Tools

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

Ordering Information

JEM™ ZR45 EU Model: P/N 92215360
JEM™ ZR45 US Model: P/N 92215370

