



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.

High endurance high-end fog machine

Exceptional performance and output

Various control options via digital remote, DMX and RDM

GALLERY



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.)
 Weight, dry: 17.7 kg (39.1 lb.)
 Weight, filled: 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, master/slave link mode, optional PLC interface

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/ESTA E1.20 RDM

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
Optional PLC interface: 3- and 4-pin locking XLR

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)
Minimum ambient temperature (Ta min.): 5° C (41° F)

Approvals

EU model

EU safety: EN 60335-1+A15, EN 62233
EU EMC: EN 61000-6-3
EU immunity: EN 61000-6-1
Australia/NZ (pending): RCM

US model

US safety: UL 998
Canadian safety: CSA C22.2 No. 104.01

Included Items

Fluid reservoir, 5 l: P/N 34300506
JEM™ ZR Series Digital Remote Control: P/N 92765048
Power input cable, EU, powerCON TRUE1, stripped ends, 3 m (9.8 ft.): P/N 11501043
Power input cable, US, 20A, powerCON TRUE1, molded NEMA 5-20P, 2 m (6.6 ft.): P/N 11501046

Accessories

JEM™ ZR45 Ducting System with 5 m (16.4 ft.) ducting: P/N 92625014
JEM™ ZR Series PLC Interface: P/N 92765049

Approved fluids

JEM™ Pro Smoke Studio
JEM™ Pro Smoke Super
JEM™ Pro Smoke High Density
JEM™ I-Fog Fluid
JEM™ Pro Steam Simulation
RUSH™ Fog Fluid
JEM™ Pro Clean Supreme

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, SWL 60 kg, BGV C1/ DGUV 17, black: P/N 91604006

Service tools

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

Ordering Information

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

