



# JEM ZR25

The JEM™ ZR25 is a small, yet powerful fog machine designed to deliver superior and uninterrupted performance in demanding professional applications. Via its 1,150 W heat exchanger, the JEM ZR25 produces large amounts of fog ideal for small to medium-sized venues and stages in both install and rental markets. The JEM ZR25 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.

Small but powerful fog machine

Exceptional performance and output for its size

Simple plug-and-play operation via remote control or DMX

## GALLERY



## FEATURES

- 1,150 W heat exchanger
- 40 ml in 30 seconds peak performance
- 600 m<sup>3</sup>/min fog output
- Variable output control for subtle effects
- 7-8 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
- 2.5-liter bottle

## TECHNICAL SPECIFICATIONS

### Physical

Length: 485 mm (19.1 in.)  
 Width: 335 mm (13.2 in.)  
 Height: 242 mm (9.6 in.)  
 Height with hanging bracket: 333 mm (13.2 in.)  
 Weight, dry: 11.2 kg (24.7 lbs.)  
 Weight, filled: 13.7 kg (30.2 lbs.)

### Performance

Coverage volume: 600 m<sup>3</sup> (21,189 ft<sup>3</sup>) per minute  
 Fluid consumption (max.): 100 ml per minute  
 Continuous effect output  
 Ready time: 7 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  
 External fluid control: Fluid sensing  
 DMX compliance: ANSI E1.11 - USITT DMX512-A  
 RDM compliance: ANSI/ESTA E1.20 RDM

### Construction

Housing: Steel and aluminum  
 Hanging bracket: Integrated yoke with safety attachment point  
 Color: Black

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Heat exchanger: 1150 W, thermally protected  
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  
External fluid control: Fluid sensing  
Remote control: Integrated digital remote with 3 m cable, 3-pin XLR connector

#### 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 and 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: 6.3 AT (slow blow), 250 V  
Typical power and current: 1200 W, 5.3 A\*

##### US model:

AC power: 100-130 V nominal, 50/60 Hz  
Main fuse: 10 AT (slow blow), 125 V  
Typical power and current: 1050 W, 8.8 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 60 335-1+A15, EN62233  
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 C.22.2 No. 104.01

#### Included Items

Fluid reservoir, 2.5 l: P/N 34300521  
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, 10 A, PowerCON TRUE1, molded NEMA 5-15P, 3 m (9.8 ft.): P/N 11501044

#### Accessories

JEM™ ZR25 Ducting System with 5 m (16.4 ft.) 4" flexible ducting: P/N 92625012  
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  
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™ ZR25, EU: P/N 92215320  
JEM™ ZR25, US: P/N 92215330

