

# FOG MAKER

## 50 bar



### One customer, one market

The high pressure **Fog maker** range features a wide selection of options for **customization** according to user requirements. The **high pressure** Giraffa versions do not feature a specific model but the **common** characteristics such as the **fields of application**: mines, quarries, steel works, construction sites, electric power stations, industrial sites.



Detail of the cannon outlet highlighting two rings of atomiser nozzles in operation



Detail of the control panel of an HP Fog maker Giraffa



Detail of the motor-pump unit of an HP Fog maker Giraffa



Detail of the hydraulic movement for rotation of an HP Fog maker Giraffa

### Technical data

Code	Model	Description	Dimensions (WxHxP) mm	Weight
ZK 8511	GIRAFFA HP FIXED T15	Industrial misting system for dust suppression, complete with misting module, 115cm column, water filter, control panel, all mounted on a metal base • HP pump module	800 x 1000 x 2200	245kg
ZK 8512	GIRAFFA HP ON SHELF T15	Industrial misting system for dust suppression, complete with misting module, 115cm column, water filter, control panel, all mounted on a metal shelf • HP pump module	700 x 1800 x 2050	250kg
ZK 8518	GIRAFFA HP MOBILE VERSION T15	Industrial misting system for dust suppression, complete with misting module, 115cm column, water filter, control panel, all mounted on a wheeled metal base • HP pump module	1920 x 2100 x 2710	400kg
ZK 8515	GIRAFFA FIXED HP IND. HYDR. VERSION	Industrial misting system for dust suppression, complete with misting module, hydraulic column, water filter, control panel, • HP pump module • 1000L tank	1100 x 2000 x 2100	620kg

### Recommended accessories

<p><b>WPK 09254</b></p> <p><b>Generator</b>                      Max. power three phase 13,3kW                      Max. power single phase 4,4kW                      Water cooled motor 1500rpm                      Electric start up Battery included                      Diesel fuel                      Tank capacity 44 L                      (11 hours, autonomy - 75% charge)                      Soundproofed 60 dba 7m frame                      Dimensions LxOxH 1440 x 650 x 114                      Weight 440kg                      Electric panel ON/OFF with key, 2 BEC sockets, thermal/radiatic protection, emergency button, display</p>	<p><b>IT 91028</b></p> <p><b>Remote control 12 keys</b>                      with relay transmitter and receiver and the following functions:                      ON/OFF general                      • Pulse timer control for automatic operation                      • Receiver single control (R/F)                      • Receiver remote (R/W/O/S)                      • Receiver engine memory control                      • Emergency stop control                      • Nozzle ring activation control</p>
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### Technical features

- Operating pressure: 50bar
- Nozzle flow rate: 4
- Power supply: 400 V-50Hz
- Protection rating: IP65
- Rotation range: 340°
- Elevation: 20° +45°
- 2000Rpm
- Noise: < 92LWA
- Control panel
- Rotation right/left
- Pulse counter
- Work/pause cycle timer
- Operation light with buzzer
- Night light
- No. of nozzles (2 rings with 32 nozzles): 64
- Maximum coverage: approx. 1.550m²
- Air flow rate: 9300m³/h
- Power absorption: 14.3kW Fan 3kW Ring heating 0.8kW
- Pump 111/1min, 1.5kW
- Fan diameter: 410mm
- Flow range: approx. 25m



## Press Esc to exit full screen mode



### Technical data

Model	Accessories	Dimensions (WxDxH) mm	Weight
ZK 0500	GIRAFFA LP FIXED 300	Industrial fogging system for dust suppression with fog module, 100cm support column, water filter and control panel mounted on a metal base	800 x 800 x 2450 200kg
ZK 0506	GIRAFFA LP MOBILE VERSION 115	Industrial fogging system for dust suppression with fog module, 100cm support column, water filter and control panel mounted on a wheeled base	1920 x 2000 x 2710 400kg
ZK 0507	GIRAFFA FIXED LP HYDR.	Industrial fogging system for dust suppression with fog module, 100cm support column, water filter and control panel mounted on a metal base	1700 x 2100 x 1900 600kg

### Flow rate (with nozzle sizes 5, 10 and 15)

Pressure	Flow rate min-max	5mm	10mm	15mm
3bar	8,5g/l/h	52,6g/h		
4bar	9,4g/l/h	60,5g/h		
5bar	10,6g/l/h	68,2g/h		
10bar	14,9g/l/h	97,5g/h		

### Recommended accessories



**IT 9027**

**Pressure pump**  
The pump is needed to reach the ideal working pressure of 30bar. Multistage, vertical electric pump. 4kW-40V-50Hz - 120 l/h

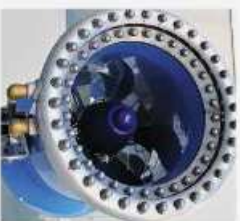


**IT 9028**

**Remote control (1 key)**  
The remote control allows you to set with the following functions:  
• ON/OFF control  
• ON timer control for hydraulic atomizing system  
• Rotation angle control (ON/OFF)  
• Rotation angle memory control  
• Emergency stop control  
• Nozzles ring activation control

## Giraffa, nebulization at high altitude

This fog maker is mainly used to **suppress dust**. Giraffa uses an **industrial atomizing system** that shoots billions of small droplets into the air up to 25 metres with a rotation field of 340° through a ring of atomizing nozzles fitted on a powerful fan outlet. Depending on the version, it can reach a maximum 5m height.



Detail of the cannon outlet highlighting two rings of atomizing nozzles



Detail of fan installed on the giraffa mist cannon.



Control panel of industrial dust control system Giraffa



Detail of the pneumatic group of the hydraulic arm.

### Low pressure



Construction and mining sites, open-air dumps, waste disposal, large industrial sites are ideal applications for the Giraffa of nebulization

### Technical features

- Pressure: up to 10bar
  - No. of nozzles (2 rings with 32 nozzles): 64
  - Maximum coverage: approx. 1832m²
  - Air flow rate: 9-100m³/h
  - Potenza installata: ventilatore 30kW
  - Alimentazione elettrica: 0,23kW
  - Power supply: 400 V-50Hz
  - Protection rating: IP66
  - Rotation range: 340°
  - Elevation: -30° +45°
- Fan diameter: 410mm
  - 2800rpm
  - Flow range: approx. 25m
  - Noise: < 91dBA
  - ON/OFF switch
  - Rotation right/left
  - Pulse counter for rotation angle programming
  - Fan start
  - Start water supply
- (motor pump) suspended valves)
  - Work/pause cycle timer
  - Operation light with buzzer
  - Nozzles ring hearing
  - Night light