

Phoenix Plus Dustfighter

Reference: Phoenix Plus



Phoenix plus dustfighter

Phoenix Plus is a compact, high-performance dust suppression cannon designed for targeted dust control in industrial environments and construction sites. This dustfighter is ideal for quarries, mines, tunnels, ports, construction sites, demolition areas, cement plants, steel mills, aggregate storage and recycling facilities, landfills, wood and aluminium processing sites, environmental remediation projects, and for cooling in stadiums and parks, as well as for odour neutralization applications.

Phoenix Plus: professional dustfighter dust suppression cannon

Phoenix Plus is a dust suppression cannon dustfighter with adjustable throw distance up to over 25 m, 4 nozzles and manual tilt up to +45°, ensuring effective dust abatement in any operating context. It works with a pressure of 50–60 bar (integrated high-pressure pump) and a water flow rate of 8 l/min, guaranteeing fine and consistent nebulization. The 1 kW fan and total installed power of 3 kW – 220 V – 50 Hz make Phoenix Plus a reliable dustfighter for intensive professional use.

This dust suppression cannon offers low noise emissions (70 dB) and IP55 protection, with dimensions of 100x70xh145 cm and a weight of 130 kg, making it ideal for construction sites, industrial plants and demolition areas. The Phoenix Plus configuration includes 15x6.00 pneumatic wheels, removable handles, lifting hook, 2 LED headlights (white and yellow) and main switch for safe handling and operation.

The integrated pump of the Phoenix Plus dust suppression cannon is a 3-piston pump with crank-connecting rod system and solid ceramic pistons; no inlet water pressure is required, simplifying dustfighter use on site. Electrical connection is via CEE 16A plug, while hydraulic connection is 3/4" male, with 400 µm filtration grade to protect the circuit from impurities.

The Phoenix Plus control box includes pump ON/OFF, fan ON/OFF, throw distance regulator, LED headlights ON/OFF and emergency stop button, allowing quick and safe control of the dust suppression cannon. Optional equipment includes an odour control additive mixing system and a pressure washer system with lance (10 m high pressure hose), expanding dustfighter applications in cleaning and remediation tasks.

To increase Phoenix Plus operating autonomy, a 1000 litre "suitcase" tank and a 3000 litre PE tank are available as optionals, as well as a dedicated generator set (8.5 kW, 230 V, 50 Hz, 25 litre tank, 8 h autonomy), ideal for powering the dust suppression cannon where no mains power is available.

Technical features of the Phoenix Plus Dustfighter

Adjustable throw distance: up to over 25 m

Number of nozzles: 4

Tilt: +45° manual

Working pressure: 50–60 bar (integrated high pressure pump)

Water flow rate: 8 l/min

Fan power: 1 kW

Total installed power: 3 kW – 220 V – 50 Hz

Noise level: 70 dB

Protection rating: IP55

Dimensions: 100 x 70 x h145 cm

Weight: 130 kg

Configuration: on two 15x6.00 pneumatic wheels, removable handles for ground transport, lifting hook for loading/unloading, set of 2 LED lights (white and yellow), main switch

Integrated pump: 3?piston pump with crank?connecting rod system, solid ceramic pistons, no inlet water pressure required

Electrical connection: CEE 16A

Hydraulic connection: 3/4" male

Filtration level: 400 µm

Technical Sheet

Phase	Single phase
Frequency (Hz)	50
Power (KW)	3
Protection degree	IP55
Throwing distance (m)	25
Maximum output capacity (Lt/min)	8
Diameter (Ø)	3/4"
Transportability	Hand trolley
Length (mm)	1000
Width (mm)	700
Height (mm)	1450
Dry weight (Kg)	130
Noise level at 7 m	70 dB(A)