

# FOG CANNONS





**100 m**  
max. range of spray

### **HENNLICH range of fog cannons is designed for the most effective dust suppression.**

Spraying the fine mist, the fog cannons help to minimize the dust, reduce the health risk and improve air quality. During the operation they need a minimum of power and water supply.

Our products are designed, manufactured and assembled in the Czech Republic. We are proud to invest in development of equipment for the environmental protection.

### **APPLICATIONS & INDUSTRIES**

- Demolition & Construction
- Coal handling & Power generation
- Mining & Quarrying
- Bulk materials ports & Shipping
- Steel & Slag
- Waste Transfer
- Recycling & Scrap
- Wood Processing
- Disinfection spraying

### **BENEFITS**

- Easy installation and operation
- Low energy consumption
- Effective and durable in use
- Low investment costs
- Tailored solutions
- Different types of constructions

The **HENNLICH range** consists of **five dust control units** which provide you with options based on performances and size of the area covered by the mist.

**UNIT HE15** – range up to 10 mts

**UNIT HE30** – range up to 30 mts

**UNIT HE50** – range up to 50 mts

**UNIT HE70** – range up to 70 mts

**UNIT HE100** – range up to 100 mts





## FOG CANNON HE15

Fog cannon HE15 is a portable dust control unit nebulizing water into particles with 50-150 micron diameter, able to drag down dust particles to the ground. Designed for small outdoor applications.

### STANDARD DESIGN

- One stainless steel nozzle ring
- Nozzles made of brass
- No pump
- No automatic rotation
- Standard mount: with two wheels

Technical specification	HE15
Throw (windless condition)	10 - 15 mts
Electrical engine	2.2 kW, 1 x 230 / 3 x 400 V AC, 50 Hz
Tilting angle	0 - 28°
Droplet size	50-150 µm
Water inlet filter	350 µm
Water connection	inner thread DN 25
Water consumption	518 l/h (10 bar)
Weight	80 kg

**10 m**  
 max. range  
 of spray



**30 m**  
max. range  
of spray

### FOG CANNON HE30

The HE30 cannon is the most sold unit in the HENNLICH fleet. It is a mid-sized unit ideal for certain jobs like demolition & construction works, open stockpiles or port terminals operations.

#### STANDARD DESIGN

- One stainless steel nozzle ring
- Nozzles made of brass
- Automatic horizontal rotation 0-350°
- Booster pump to control the correct working pressure
- Pressure gauge
- Water filter
- Electric control panel
- Solid metallic cover against the components damage
- Standard mount: skid mounted

#### ADDITIONAL ACCESSORIES

- Remote control (wireless, min. range 100 m)
- Wheeled trailer
- Electrical vertical elevation (0-35°)
- Chemical additives for dust or odour suppression
- Road trailer with the integrated bowser tank 2000 and the diesel generator



Technical specification	HE30
Throw (windless condition)	20-30 mts
Droplet size	50-150 µm
Engine power (fan)	4,0 kW
Booster pump	1,5 kW
Filter mesh size	350 µm
Horizontal rotation	0-350°
Power supply	3 Phase, 400 V AC, 50 Hz
Water consumption	778 l/h (10 bar)
Water connection	inner thread DN 25
Nozzles q-ty	18 pcs
Weight	250 kg





**FOG CANNON HE50**

With a range more than 50 meters this fog cannon HE50 is capable of covering an area almost 8 000 square meters. Very often it is sold mounted on the heavy 3-wheels trailer.

**STANDARD DESIGN**

- One stainless steel nozzle ring
- Nozzles made of brass
- Automatic horizontal rotation 0-350°
- Booster pump to control the correct working pressure
- Pressure gauge
- Water filter
- Electric control panel
- Standard mount: skid mounted

**ADDITIONAL ACCESSORIES**

- Remote control (wireless, min. range 100 m)
- Wheeled trailer
- Electrical vertical elevation (0-50°)
- Chemical additives for dust or odour suppression
- Genset with roadworthy trailer and water tanks

Technical specification	HE50
Throw (windless condition)	40-50 mts
Droplet size	50-150 µm
Engine power (fan)	7,5 kW
Booster pump	5,5 kW
Filter mesh size	500 µm
Horizontal rotation	0-350°
Power supply	3 Phase, 400 V AC, 50 Hz
Water consumption	1555 l/h (10 bar)
Water connection	inner thread DN 40
Nozzles q-ty	36 pcs
Weight	300 kg



### FOG CANNON HE70

HE70 unit is the second largest unit in the HENNLICH range of dust control unit. The powerful 15 kW fan can drive the mist droplets up to 70 m range.

#### STANDARD DESIGN

- One stainless steel nozzle ring
- Nozzles made of brass
- Automatic horizontal rotation 0-350°
- Booster pump to control the correct working pressure
- Pressure gauge
- Water filter
- Electric control panel
- Standard mount: skid mounted

#### ADDITIONAL ACCESSORIES

- Remote control (wireless, min. range 100 m)
- Wheeled trailer
- Electrical vertical elevation (0-40°)
- Chemical additives for dust or odour suppression
- Genset with roadworthy trailer and water tanks

**70 m**  
max. range  
of spray



Technical specification	HE70
Throw (windless condition)	60-70 mts
Droplet size	50-150 µm
Engine power (fan)	15 kW
Booster pump	5,5 kW
Filter mesh size	500 µm
Horizontal rotation	0-350°
Power supply	3 Phase, 400 V AC, 50 Hz
Water consumption	1555 l/h (10 bar)
Water connection	inner thread DN 40
Nozzles q-ty	36 pcs
Weight	311 kg





**FOG CANNON HE100**

Our most powerful unit is the gigantic type HE100 with the maximum range up to 100 meters.

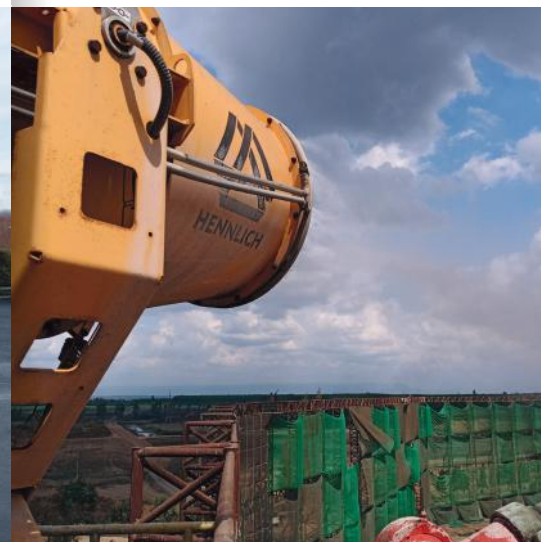
**STANDARD DESIGN**

- One stainless steel nozzle ring
- Nozzles made of brass
- Automatic horizontal rotation 0-350°
- Booster pump to control the correct working pressure
- Electrical vertical elevation
- Pressure gauge
- Water filter
- Electric control panel
- Standard mount: skid mounted

**ADDITIONAL ACCESSORIES**

- Remote control (wireless, min. range 100 m)
- Chemical additives for dust or odour suppression
- Additional pump to increase the inlet pressure
- Genset with roadworthy trailer (ideal for job sites lacking a convenient power source)

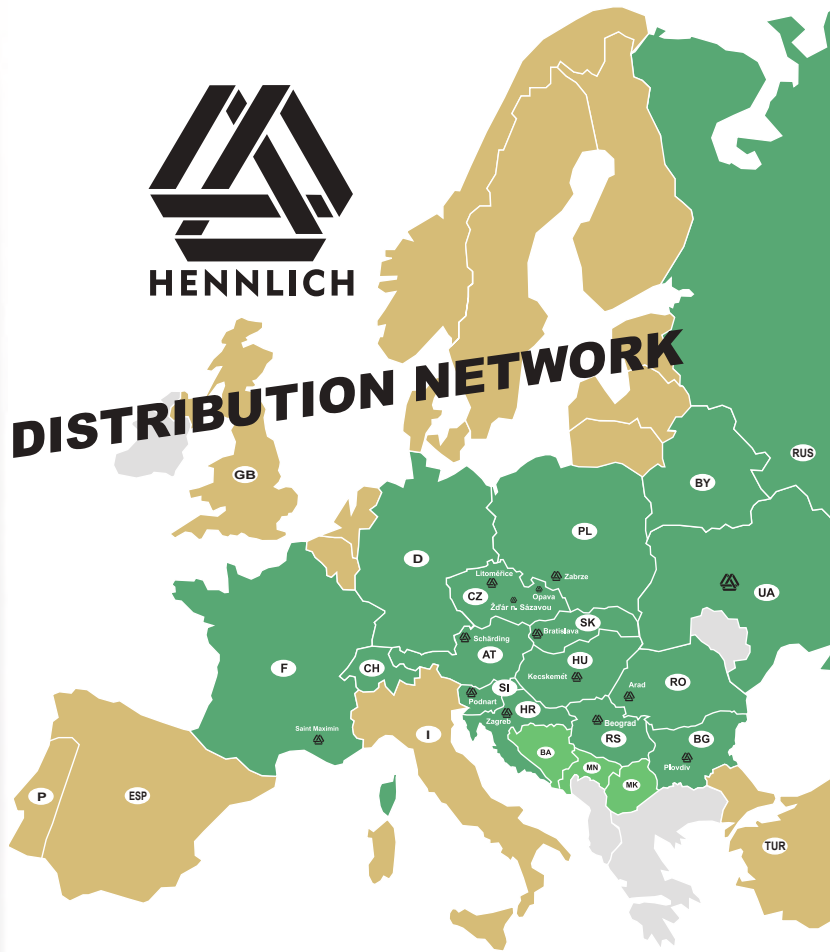
Technical specification	HE100
Throw (windless condition)	90-100 mts
Droplet size	50-150 µm
Engine power (fan)	30 kW (50 Hz) / 37 kW (60 Hz)
Booster pump	5,5 kW
Filter mesh size	500 µm
Horizontal rotation	0-350°
Vertical elevation	0-40°
Power supply	3 Phase, 400 V AC, 50 Hz
Water consumption	12 500 l/h (10bar)
Water connection	inner thread DN 40
Nozzles q-ty	72 pcs
Weight	1458 kg





**HENNLICH**

**DISTRIBUTION NETWORK**



- HENNLICH GROUP
- HENNLICH representatives

With a tradition dating back into 1922, the HENNLICH Company with its 300 employees is an important partner for businesses in the engineering, automotive, chemical, paper or mining industry. The Company has rich experience with supplies of both components and entire systems for producers of steel, energy, complete plant equipment and hydraulics.

The HENNLICH ENGINEERING DIVISION specializes in solutions of dust suppression in industrial operations. The plant production programme mainly focuses on loading spouts for dust-free loading of dusty material, dust collectors or fog cannons for the dust control.

