

DUST-A-SIDE FOG CANNON SYSTEMS



FOG CANNON SYSTEMS FOR MINING AND INDUSTRIAL PROCESSES

Activities in the mine, whether it's blasting, hauling, maintenance or in the plant processing area, usually result in the release of dust particles into the air which can have a major risk to the health and safety of workers including communities. Our new range of fog cannon technology is set to minimize and control airborne dust in the mine.

Fog cannons can be used to suppress dust in areas where wind plays a major role. Some operations will require fog cannon units equipped with high pressure water pumps (HP-Dust Suppression) and some operations will require fog cannon units with low pressure water pumps (LP-Water evaporation).

However the performance of the overall system and the effectiveness of controlling dust will be determined by whether or not the system is configured for your specifications.

DUST SUPPRESSION OR WATER EVAPORATION

HOW IT WORKS:

DUST SUPPRESSION

Dust suppression using smaller quantities of water at HP (50bar) to create atomised water particles that interacts with dust particles, thus effectively suppressing dust.

WATER EVAPORATION

Water evaporation using larger quantities of water at LP (10bar) gets blown into the atmosphere and thus causing water evaporation.

APPLICATIONS:

DUST SUPPRESSION

- Plant tip areas
- Large sorting screens
- Stockpiles
- Mine Dumps
- Stockpile tipping areas
- Industrial Plants

WATER EVAPORATION

- Mining water evaporation
- Industrial water evaporation

BENEFITS:

DUST SUPPRESSION

Using fog cannon technology equipped with HP will give you a better distance (throw) and effectively cover a bigger area.

WATER EVAPORATION

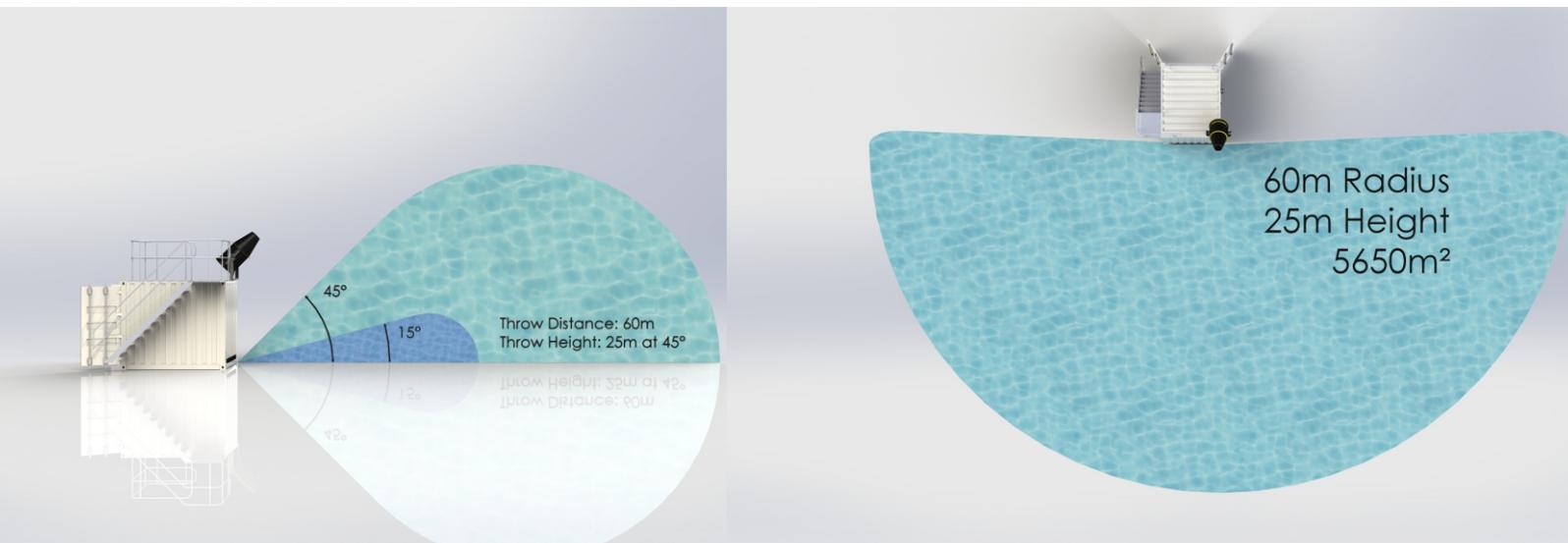
Using fog cannon technology equipped with LP will increase your water evaporation thus enabling a larger quantity of water over a shorter period of time (if compared to conventional water evaporation methods)

FC 1250 FAN SPECIFICATIONS

| | |
|--|--|
| FAN TYPE | 1250mm Axial Fan (Galvanized) |
| FAN BLADE | 6 to 12 Blade |
| ELECTRICAL POWER (FAN) | 11KW to 22KW |
| ELECTRICAL CONNECTION | Inlet plug 3-phase 125A |
| REMOTE OPERATION | Optional |
| SPRAY COVERAGE (*NO WIND FACTOR) | 30m to 60m @ 180° Oscillation |
| WATER CONNECTION | 40" Galvanized/Stainless-Steel Threaded Connection |
| WATER CONSUMPTION | 80 - 80l/min |
| MINIMUM INLET | 2.0 bar |
| ELECTRICAL POWER (HP PUMP) | 5.5KW to 7.5KW |
| FILTRATION UNIT | 200 micron |
| WORKING ANGLE | 0° to 180° |
| TILTING ANGLE | 0° to 45° |
| ELECTRICAL CONTROL PANEL TYPE | Stainless Steel (316) IP65 Rated |
| DIMENSION OF STANDARD ELECTRICAL CONTROL PANEL | 800mm x 600mm x 270mm (H x W x D) |
| SKID TYPE | Mild Steel - Painted (anti-corrosion paint) |
| DIMENSION (SKID SYSTEM) | 3500mm x 2500mm x 300mm (H x W x D) |
| WEIGHT (MAIN UNIT)* | 1450kg |

*Design may vary to Client Specifications

FC 1250 FAN SPRAY PATTERNS



For further information, expert advice or a quotation, email us on

info@dustaside.com

www.dustaside.com

