

# DUST SUPPRESSION UNITS

The Dust Suppression range is composed of three models which offer different levels of coverage and performance covered by the nebulized water mist. This units are suitable for a variety of applications such as demolition works, mining sites, waste dumps, aggregate production or recycling, environmental repairs and much more.

**DSU** | **75**  
**150**  
**200**



## PRODUCTION

The Dust Suppression line has originally been designed for suppressing dust during demolition works. The product range grows up soon until covering a lot of new application fields, such as mining sector, waste dumps, indoor demolition jobs, and environmental repairs.

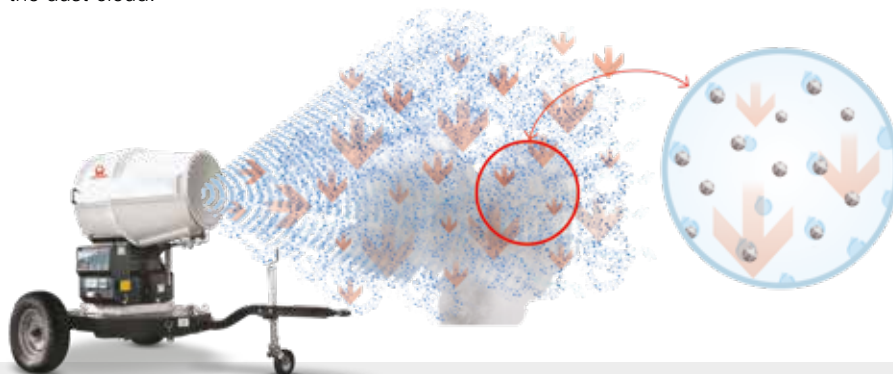


## INNOVATION

Using an obsolete dust suppression system through a water hose, it was only possible to obtain water particles with a 1000 micron average diameter: these particles were not able to catch dust particles that have a 80 micron diameter instead. Moreover, the water flow passes through the dust cloud without covering it completely.

Today, using one of our Dust Suppression units, the nebulized water particles have a 50-150 micron diameter: they can easily combine themselves with dust particles with same dimensions and drag them to the ground. Moreover, nebulized water can completely cover the dust cloud.

## HOW IT WORKS



## MAIN FEATURES

- Reduced water consumption compared to traditional techniques
- Dust suppression more effective thanks to the nebulized water
- Automatic operation
- No formation of muddy surfaces
- Coverage across large working areas thanks to the rotation system

## MAIN APPLICATIONS



DEMOLITION



QUARRIES



WASTE DUMPS

Also ideal for: concrete and aggregates production and recycling, environmental repairs, steel and slag treatment landfills, wood and aluminum processing.

## STANDARD EQUIPMENT

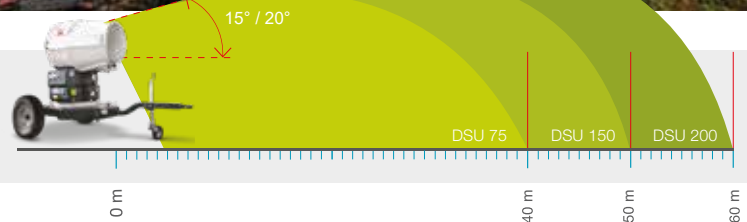
- INTEGRATED CONTROL PANEL
- PHASE INVERTER
- PUMP WITH PERIPHERAL IMPELLER
- FLOWMETER FOR PUMP PROTECTION
- PRESSURE GAUGE FOR OUTLET PRESSURE
- SPACING CONTROL PANEL

## OPTIONS

- REMOTE CONTROL
- HOMOLOGATED ADJUSTABLE ROAD TRAILER
- DOCUMENTS FOR ROAD REGISTRATION (EU)
- AUTOMATIC ROTATION SYSTEM
- ELECTRIC TILTING
- DOSING PUMP FOR CHEMICAL ADDITIVES
- WATER SUPPLY PUMP
- ARCTIC KIT
- SIDE FORKLIFT POCKETS (FOR LOW SPEED TRAILER ONLY)
- DEDICATED COLOUR (RAL) (FOR SPRAY CANNON ONLY)
- BALL OR EYELET HITCH



### MAXIMUM HORIZONTAL RANGE



## TECHNICAL DATA

		DSU 75	DSU 150	DSU 200
Electrical engine power (kW)		7.5	15	20
Smaller generator required		Three-phase - 20 kW	Three-phase - 35 kW	Three-phase - 50 kW
Max. horizontal range (m)	Without wind	30 - 40	40 - 50	50 - 60
Max. vertical range (m)	Without wind	16	20	24
Max. covered area (m <sup>2</sup> )	With rotation on	4800	7190	10355
Electrical connection	Inlet plug	Three-phase - 32 A	Three-phase - 32 A	Three-phase - 63 A
Water connection	Available plugs	UNI 45 / STORZ / CAMLOCK	UNI 45 / STORZ / CAMLOCK	UNI 45 / STORZ / CAMLOCK
Min. inlet pressure (bar)		1	1	1
Water consumption (L/min)		52	60	70
Water inlet filter (µm)		180	180	180
Working angle (°)		335	335	335
Tilting angle (°)		0 - 40	0 - 40	0 - 40
Dimensions (mm)	Length x Width x Height	3300 x 1830 x 2180	3300 x 1830 x 2180	3300 x 1830 x 2180
Weight (kg)		760	810	850
Quantity per container		8	8	8



**ETOP**  
creat să reziste

Republica Moldova, MD-2023  
mun. Chișinău, str. Uzinelor 90  
+ /373/ 67 707 707  
office@etop.md  
www.etop.md