



/AIRox® NEBULIZERS

The strength of the entire /ECOFOG® system are our /AIRox® nebulizers (patent) that is able to micronize water at low pressure using minimum power consumption. Generally 2-3 low flow (20-30 L/h of water) nebulizers are enough to solve the dust presence problems of a particular size.

The effectiveness of dedusting using micronized water is inversely proportional to the size of the "drops" that ingest the dust particles in suspension: the smaller the "drops", the more they manage to incorporate the suspended dust particles.

In a room that is as sealed as possible, the dust particles come into contact with the mist produced by the /ECOFOG® system. The generated mist moistens the dust particles causing them to fall back onto the material being moved.

Returning the dust particles to the material that has generated it means

- reducing the level of emitted dust in subsequent transportation
- not having to worry about the disposal of the dust recovered (unlike what occurs with traditional systems, such as bag filters, etc.).

Thanks to the various attachment devices (caps) for the optimal positioning of the nebulizers to ensure ideal fog distribution. Maintenance is extremely simple and fast.

Barra Project International Srl offers two different ranges of /AIRox® nebulizers

- ◆ **/AIRox® GRC** with internal micronization
- ◆ **/AIRox® IMPACT** with external micronization

/AIRox® GRC

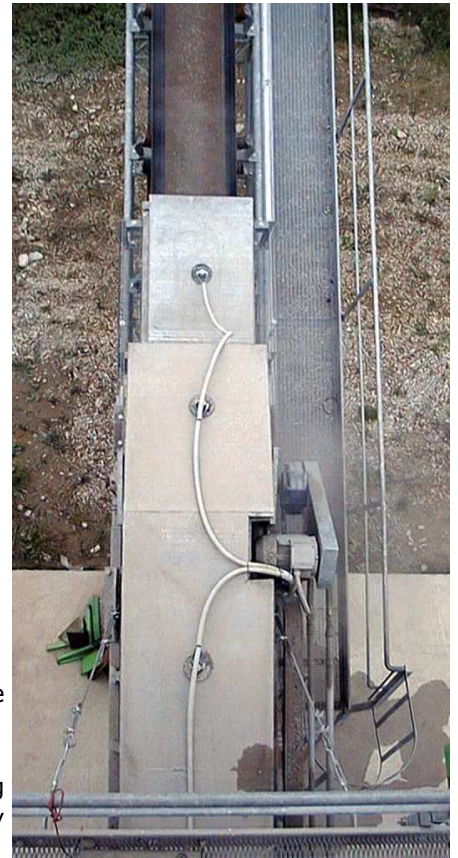
Internal micronization

Modular steel or specified plastic material nebulizers, with air-water nebulization system contained inside the nozzle.

The micronization is obtained by exploiting the air's speed as a disintegrant element to the flow of water with which it collides within the disintegration chamber. These are nebulizers with internal atomizers.

Features

- ease of maintenance inspection
- high flow (up to 150L/h)
- extremely versatile and able to adapt to different application needs
- easy to install thanks to different mounting solutions:
 - adjustable brackets
 - caps (on closed structures)
 - swivel joints
 - flow regulators
 - FOGHER modules





internal nebulization

/AIROX® GRC NEBULIZER

Item	Model	Flow rate lt/h	Air pressure bar		Water Pressure bar		Head material	Casing material
400104	G A20	20	1	2,5	0,1	0,7	D	D
400106	G A20	20	1	2,5	0,1	0,7	X	D
400120	G 30	30	1	2,5	0,1	0,7	D	D
400121	G 30	30	1	2,5	0,1	0,7	X	D
400123	G 30	30	1	2,5	0,1	0,7	X	X
400126	G 90	90	1,5	3	0,1	1	D	D
400127	G 90	90	1,5	3	0,1	1	X	D
400128	G 90	90	1,5	3	0,1	1	X	X
400221	G 150	150	1,5	3	0,1	1	D	D
400240	G 150	150	1,5	3	0,1	1	X	D
400231	G 150	150	1,5	3	0,1	1	X	X
400211	G 210	210	1,5	3	0,1	1	D	D
400218	G 210	210	1,5	3	0,1	1	X	D
400215	G 210	210	1,5	3	0,1	1	X	X



/AIROX® GRC DD



/AIROX® GRC XD

for placement in closed facilities

/AIROX® CAPS

Item	Description	Dimensions
620124	AIROX SMALL FIXED CAP for AIROX IMPACT/GRC	130
620125	AIROX BIG FIXED CAP for AIROX IMPACT/GRC	200
620126	AIROX SMALL CAP WITH ARTICULATED JOINT for AIROX IMPACT/GRC	130
620127	AIROX BIG CAP WITH ARTICULATED JOINT for AIROX IMPACT/GRC	200
620116	ADJUSTABLE THREADED JOINT for AIROX IMPACT/GRC	-



Nebulizer cap in a fixed position



Cap with adjustable joint nebulizer external to the chamber

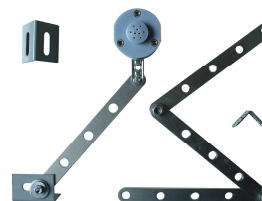


Adjustable cap for closed indoor facilities nebulizer internal to the chamber

to install in open structures

/AIROX® ADJUSTABLE BRACKETS

Item	Description	Model
622720	AIROX ADJUSTABLE BRACKET FOR NEBULIZER	200
622721	AIROX ADJUSTABLE BRACKET FOR NEBULIZER	400
622722	AIROX ADJUSTABLE BRACKET FOR NEBULIZER	600
622723	AIROX ADJUSTABLE BRACKET FOR NEBULIZER	800
622724	AIROX ADJUSTABLE BRACKET FOR NEBULIZER	1000



LEGENDA

X	STAINLESS STEEL (INOX)	S	JUNCTION (CAPS)
D	DERLIN	U	EXHAUST
		SA	ANTIFREEZE SYSTEM (ECOFOG PANELS)