

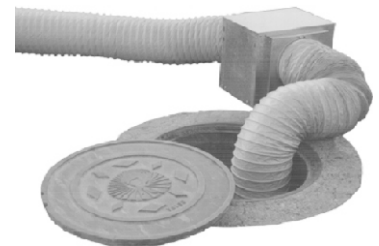
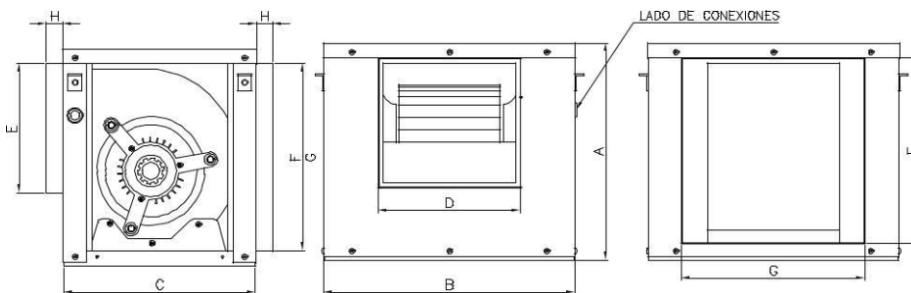
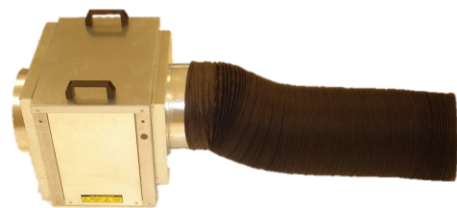


## VENTILATION EQUIPMENT FOR SANITATION

### BVG series Air box

#### Characteristics

- Our BVG Air box, is a useful tool for the ventilation and extraction of gases and bad odors from manholes and inspection conduits.
- It comes equipped with plastic pipes reinforced with steel.
- When folded down it is just 0,5 m. long and when unfolded it becomes a 10 m. long self-extinguishing conduit.
- The Air box comes with an airflow regulator and can be supplied with handrails and wheels.
- Peak flows range goes from 1,500 m<sup>3</sup>/h to 11,000 m<sup>3</sup>/h.
- Optionally, for flammable gas environments (i.e. methane) we can supply the Gas Exhauster equipped with spark-proof fan and flame-proof engine.
- Double Function: Air Blower & Air Exhauster



Model	Flow m <sup>3</sup> /h	Power Watts	CASING MEASURES								Peso
			A	B	C	D	E	F	G	H	
BVG-7	1500	150	379	444	320	257	230	327	324	30	7,7
BVG-9	2000	150	449	483	381	260	283	397	363	30	10,2
	2800	370	449	549	381	326	283	397	429	30	10,8
BVG-10	3200	250	507	533	416	292	312	455	413	30	12,5
	4000	550	507	599	416	357	312	455	479	30	16
BVG-12	5000	550	580	643	492	337	368	528	523	30	20,4
	7800	1100	580	729	492	416	368	528	609	30	21,7
BVG-15	11500	2200	666	870	595	496	425	614	750	30	35,1

Before using any of our ventilation equipment, you must check that there aren't any flammable gases where the equipment is going to be used. If they are flammable gases, you have to first use the CVG Series – Sparkproof.



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### TRANSPORTATION AND STORAGE

All the ventilation boxes are conveniently palletised to allow a correct handling in the loading and unloading processes. They are also protected by plastic wrap to prevent dirt and dust from entering the interior of the ventilation box.

For storage for prolonged periods of time, taking into account that they are made of galvanized steel, care should be taken to ensure that humidity levels are not high, and storage in dusty places should be avoided.

### PRODUCT DESCRIPTION

The dangers that can be generated during the normal operation of the ventilation box can be found in:

- Transmission of pulleys and belts; which must have installed the protection of doors during operation.
- Round intake and outake mouths; shall be protected to prevent the introduction of dirt, if they are not huddled into a conduit. The manufacturer recommends the installation of a metal grid whose hole light does not exceed a diameter of 12mm, in case the outake is not pocketed.

### WORKING CONDITIONS

In pulley transmission ventilation boxes, the operating temperatures must not be higher than 85°C.

In the built-in motor boxes these temperatures will not exceed 45°C.

It is also necessary to respect the electrical characteristics of the installed motor, reflected on the features-nameplate.

### SET-UP

Check that the electrical and mechanical mechanisms are correctly installed.

Check for non-existence of unknown objects inside the fan and in the pipes connected to it.

Check that the voltage and frequency of the power supply are appropriate for the motor, and that the connections are in accordance with the standards.

Check that the alignment of the pulley and the tension of the belt is correct and if necessary adjust them.

Start the engine for a short period of time to check that the direction of rotation is correct. If necessary, change the connection.

Check the uniform operation of the motor-fan assembly.

Ensure that the consumption does not exceed what is marked on the motor nameplate.

### MAINTENANCE

Approximate inspection intervals:

- Fan bearings and lubrication (if required) of them, every 6 months.
- Tension of the straps, check every 6 months.
- Conditions of the straps, check once a year.
- Cleaning the turbine and the inside of the ventilation box once a year.

For any operation of maintenance, adjustment, tuning, etc, it is necessary to take into account all those points of risk. Ensure the total electrical disconnection before manipulating the inside of the ventilation box.

