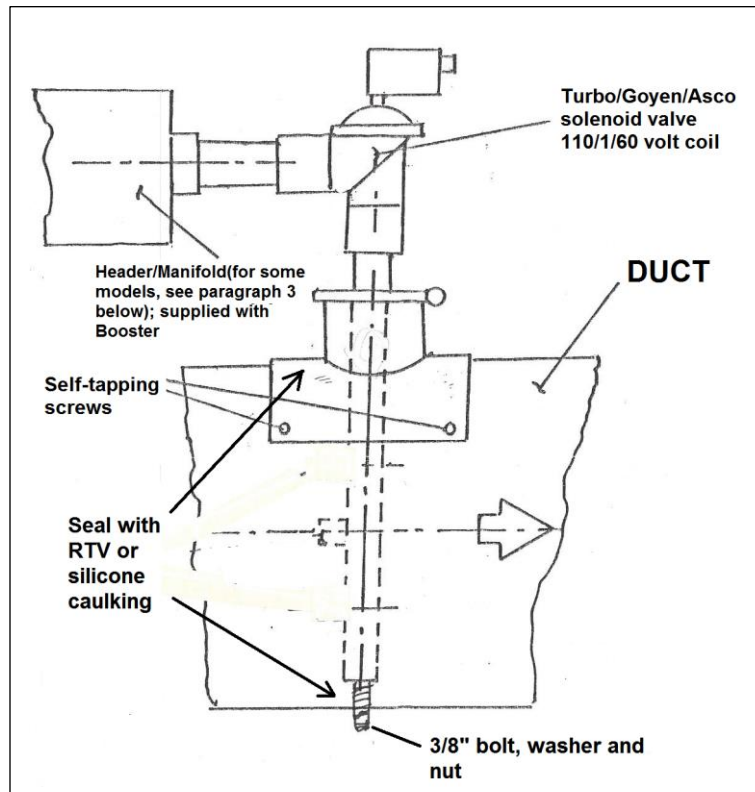


1. The nomenclature to identify your model is DB(*duct booster*)-10(*model #*)-xxx(*duct OD in inches*). Example; DB-10-006 means Duct Booster, model 10, for 6 inch OD duct.
2. Drill two diagonally opposite holes in the duct, to insert the booster pipe (as per the table below) and bolt (7/16" hole). A solenoid valve will be mounted on the assembly. The assembly will be mounted on the existing duct with self tapping screws provided by the purchaser. The sketch, below, illustrates the installation. A schedule 40 pipe at least 10 ft long, provided with some models as part of the kit, is connected to the solenoid valve and a compressed air supply line. The unit is directional so the orifices must be pointed in direction of flow. The valve is normally operated by 110 volt single phase power, other voltages available upon request.



Model	Hole Size (for pulse pipe at the top)
DB-08 (4-8" duct), DB-12 (9-12" duct)	1 1/8 inch
DB-18 (13-18" duct)	1 3/8 inch
DB-24 (19-24" duct), DB-30 (25-30" duct)	2 inch
DB-40 (31-40" duct)	2 inch, 2 sets of holes, 90° from each other & one set 3 inches down the duct from the first set of holes
DB-50 (41-50" duct), DB-60 (51-60" duct)	2 1/2 inch, 2 sets of holes 90° from each other & one set 3 inches down the duct from the first set of holes

QAM reserves the right to make improvements and /or changes without notice.

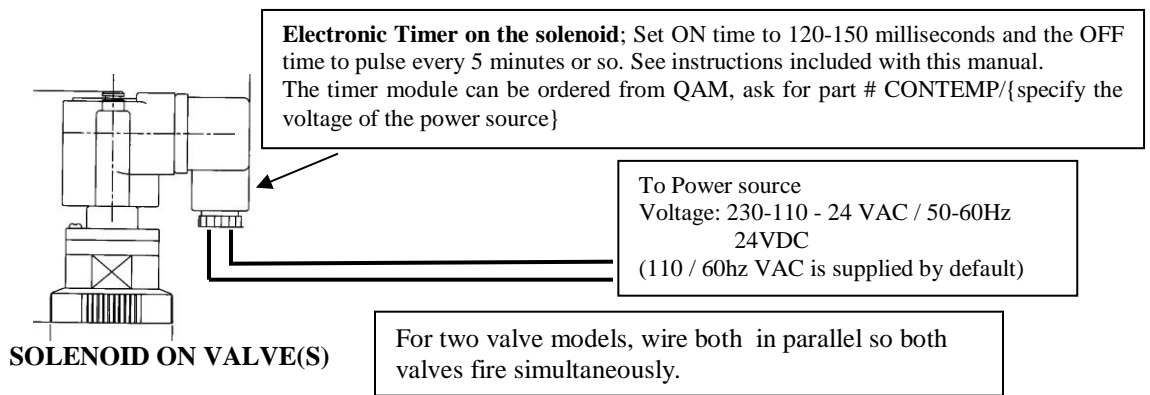
- Connect a compressed air line (**85 PSI pressure**) to the diaphragm valve or manifold connection.

Model	Connection Size (NPT Coupling, female supplied)	Air Consumption (SCF/Pulse)
DB-08, DB-12	3/4 inch directly to the valve, no manifold	0.185 - 0.735
DB-18	1 inch directly to the valve, no manifold	1.152 - 2.592
DB-24, DB-30	1 1/2 inch directly to the valve, no manifold	4.155
DB-40	1 1/2 inch on end of the manifold/header	6.637
DB-50 to DB-60	1 1/2 inch on end of the manifold/header	10.365 - 11.355

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- Two electrical activation methods are recommended, timer or automatic sequencing.

Activation by localized timer: Activate the cell cleaner by connecting a power source to the timer on the solenoid of the diaphragm valve.



Activation by pulse sequencer at the dust collector: Activate the cleaner by using one of the existing dust collector sequencer outputs. Ensure that the “ON-TIME” setting is **maximum 150 milliseconds or the valve may not shut.**

