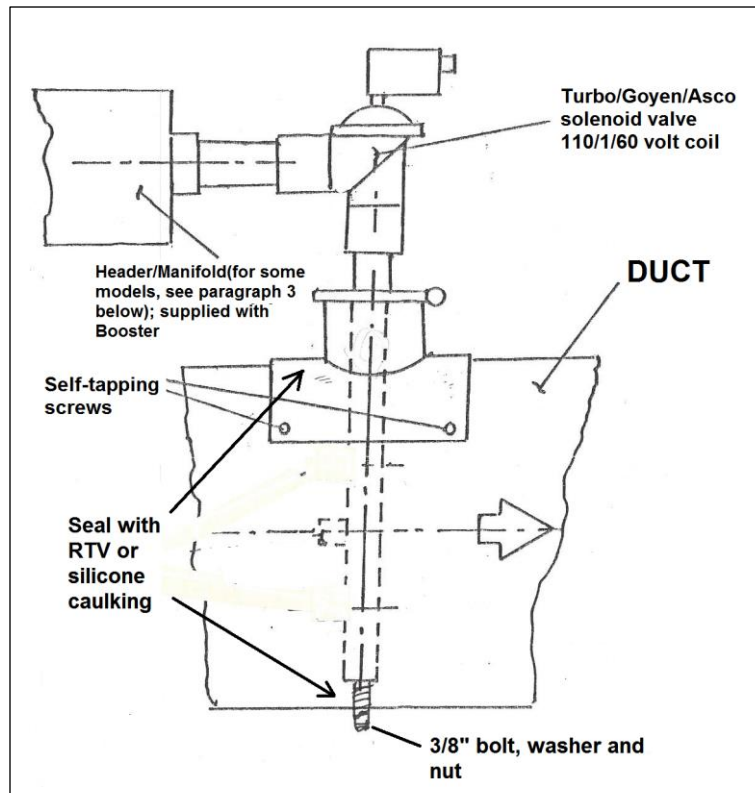


SET-UP; AUTO BOOSTER

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.

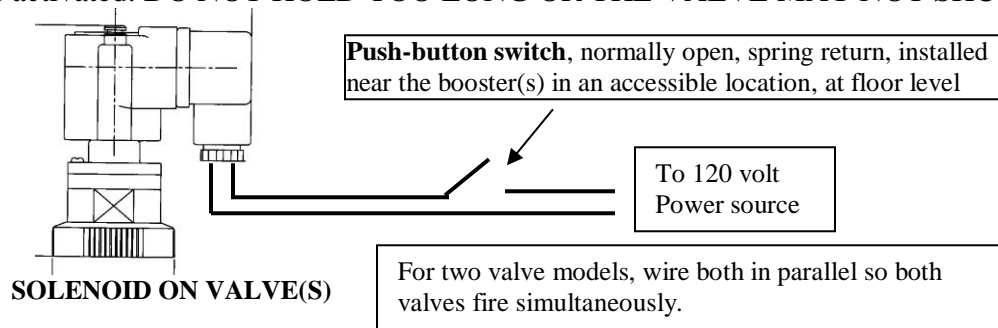
- Connect a compressed air line (**85 PSI pressure**) to the diaphragm valve or manifold connection.

| 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 |

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

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

MANUAL: Activate the cleaner by pushing the button and releasing immediately when pulse is activated. **DO NOT HOLD TOO LONG OR THE VALVE MAY NOT SHUT!**



AUTOMATIC: Activate the BOOSTER by using a dust collector sequencer output. If more than one booster is installed in the system, use one dust collector output per booster. Sequence so that the boosters fire one after the other in the direction of air flow. Ensure that the “ON-TIME” setting is maximum 150 milliseconds or **the valve may not shut.**

Typical Pulse-Jet Sequencer

