



## GRAPHITE / TALCUM APPLICATOR

### **PURPOSE:**

The Automatic Graphite / Talcum Applicator was developed to provide dependable dosing of dry powdered micro fine graphite to continuous v-ring type end seals found on rotary drum air filters.

The amount of Graphite / Talcum Applied is determined by the length of time compressed air is sent through the graphite tank. This time is controlled by a simple adjustable timer and a solenoid compressed air valve.

The v-ring type continuous rubber seals will require a more frequent dosing during the initial ten (10) days of operation. After the “run in” period the dosing can be greatly reduced.

### **INSTALLATION & OPERATION:**

1. Confirm that your voltage is the same as the ibis Graphite / Talcum Applicator (110 volt, 24vdc, 220 volt, etc.). Also be sure you have a source of compressed air that is clean, dry and 65 psi minimum.
2. If you have purchased a Graphite / Talcum Applicator mounted on a base panel, disregard steps 3 & 4.

3. Mount the graphite tank on the outside of the drum filter enclosure wall as near to the drum seal area as possible. The best point is near the clean/drive side access door.
4. Mount the control panel as near the graphite tank as possible.
5. Mount the applicator injector fitting in the plenum wall so that the fitting is under the v-ring seal on the dirty side. The injector and plastic tube will be in the drum drive chamber.
6. Connect the plastic tubing from the injector fitting to the outlet of the graphite tank (top). A bulkhead fitting is supplied for passing the tubing through the enclosure panel wall.
7. The complete your installation: (A) Connect electrical power to the terminal strip. (B) Connect your compressed air to the “inlet” of the control panel. (C) Connect tubing from the compressed air “outlet” of the control panel to the air “inlet” (bottom) of the graphite tank.
8. Fill the graphite tank. CAUTION – leave 2” [50 mm] clear at top. DO NOT OVERFILL!
9. Adjust your automatic timer for the proper “on time” and “off time”. You may have a LED digital timer or a DIP switch type timer. New seals will require 5 to 10 seconds “on time” and 180 to 300 minutes “off time” after a ten (10) day  $\pm$  “run in” time or for existing seals the “on time” can be reduced and the “off time” increased.
- 10. It is HIGHLY recommended that a heavy manual application of graphite be applied to new seals. Small bellows bottles are supplied for this initial dosing. Failure to do so, can result in drum filter reducer breakdown.**
11. A filter hole is located in the top of the graphite tank but you may find it easier to fill/load by removing the larger tube fitting located by the small filler hole.

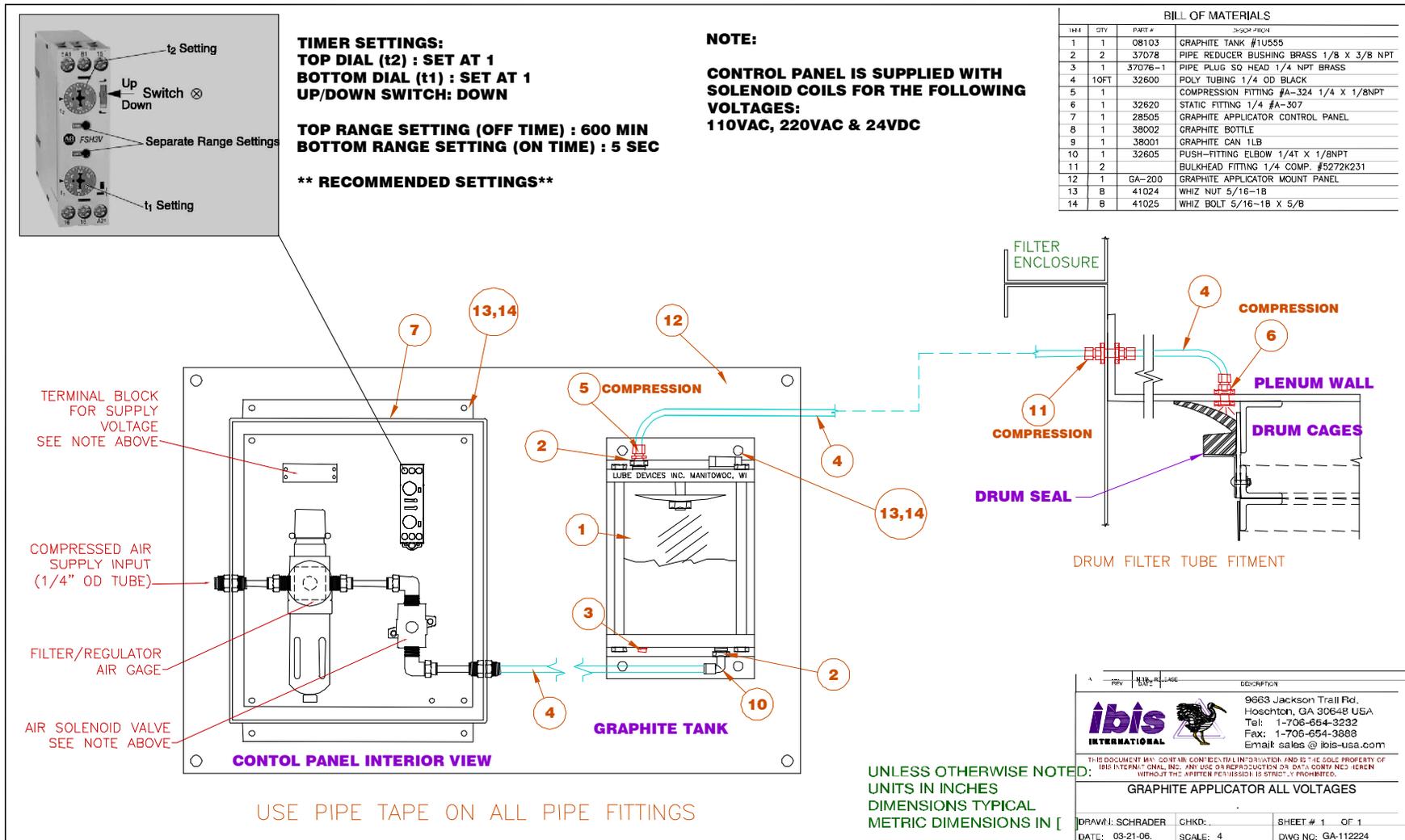


Figure 1