

INSTALLATION MANUAL

DISPERSION UNIT: HVAC INTEGRATION



GRIGNARD PURE, LLC

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You will receive a complete Grignard Pure System with everything needed for installation except hardware for hanging the Dispersion Unit and ducting to connect the Dispersion Unit to the HVAC system.

We recommend reading the installation guide all the way through so that you can better prep for installing the unit. There are several parts that you will need to configure or fabricate to complete the installation.

You will need a power source at the location of the dispersal unit with 3 available outlets.

If you have filters in your HVAC they may become damp, this is OK but be sure to run the fan for some time after the Grignard Pure system is turned off in order to dry out the filters.

STEP 1: INSTALL THE DISPERSION UNIT

Mount the dispersal unit near the supply side of the air handler.

- You will need to run a duct from the Dispersal Unit into the main duct of your HVAC System.
 - You should have at least 16 inches between the output vent of the dispersal unit and the HVAC duct work.
 - The duct that connects the dispersal unit to the HVAC duct work should be straight.
 - Best done with 4 inch stove pipe
 - Seal all connections with metal duct tape
- The atomized product comes out of the unit hot and the output area will get hot.
NOTE: DO NOT USE thin flexible ducting like Dyer Vents. It may melt or burn.
- Make the unit as accessible as possible the client will need to fill the chemical reservoir on a regular basis.
- Fill the reservoir with Grignard Pure fluid.
- An ideal location to connect into is about 4 feet from the fan.

STEP 2: INSTALL DISPERSION DUCTING INSIDE THE MAIN HVAC DUCT

- At the main duct cut hole big enough to fit a 90 degree elbow with an extension piece at least 14 inches long inside the main duct

- The 14 inch extension will point down the ducting in the direction of the air flow. This will allow the product to be evenly incorporated into the existing circulated air flow.
 - The far end of the 14 inch stove pipe must be flared out resembling a mushroom.
- Example:
- To flare the ends cut 1.5 inch deep, 1.5 inches apart all around the dispersal ductwork.
 - Seal the gaps in the flare cuts with metal duct tape.
 - If the duct work is a “T” configuration servicing separate area of the workspace being treated, you will need to incorporate a “T” joint to direct the product flow consistent with the HVAC air currents.
 - You will need to install an internal “T” of dispersal ducting to disperse the air evenly through both ends of the duct
 - Install extensions, reaching at least 14 inches past the main supply into the next duct piece, in both directions.
 - Be sure to flare both ends
 - Secure your new internal duct work to the existing HVAC duct, with a self-tapping screw at the collar where the two ducts meet, so that the systems are tightly fitted to minimize vibration or gaps.

STEP 3: CONNECT DISPERSION UNIT TO HVAC DUCTS

- Connect the duct coming off the dispersal unit to the Elbow or T connector that you have inside the HVAC duct
- Fasten pieces together with a self-tapping screw.
- Seal all connections with metal duct tape.
- Seal the hole in the main duct around the dispersal duct.

24-HOUR CUSTOMER SERVICE: (855) 642-PURE (7873)

CUSTOMER INFORMATION: www.GPCustomer.com

