Static Electricity and Grounding for Dust Collection

Static electricity requires grounding a dust collection system which is why Air Handling Systems provides galvanized metal spiral pipe and fittings and flexible hose with wire helix. A plastic or PVC pipe system cannot be adequately grounded. National Fire Protection Association (NFPA) requires pipes and duct be constructed of metal and be grounded and that non conductive pipe or ductwork should not be used per NFPA 77 (Recommended Practice on Static Electricity). NFPA 77 also covers the use of flexible hose and requires flexible hose to have an internal wire which contacts the metal fittings and makes a good connection. Another caveat is with nonconductive connections, where the code calls for a “jumper cable” to be used to continue the conductivity.

Many states and localities have codes and regulations (enforced by AHJ (Authorities Having Jurisdiction)) governing sales, construction, installation and or use of Products for certain purposes, which may vary from those in neighboring areas. While Air Handling Systems by Manufacturers Service Co., Inc. attempts to assure that its Products comply with such codes, it cannot guarantee compliance, and cannot be responsible for how the Product is installed or used. Before purchase and use of a Product, please review the Product application, national & local codes, regulations, and be sure that the Product, installation, and use will be in compliance.

Due to market changes and fluctuations beyond our control, specifications and pricing subject to change without notice. Buyers subject to terms and conditions of sale. Many states and localities have codes and regulations governing sales, construction, installation and or use of Products for certain purposes, which may vary from those in neighboring areas. White Air Handling Systems by Manufacturers Service Co., Inc. attempts to assure that its Products comply with such codes, it cannot guarantee compliance, and cannot be responsible for how the Product is installed or used. Before purchase and use of a Product, please review the Product application, national & local codes, regulations, and be sure that the Product, installation, and use will be in compliance. Copyright Air Handling Systems.