

Air Handling Systems Newsletter

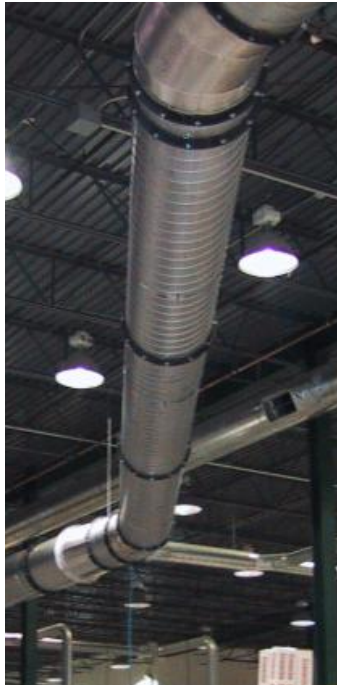
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INDUSTRIAL STRENGTH
Ductwork Direct
February 2015

Ductwork Doctor

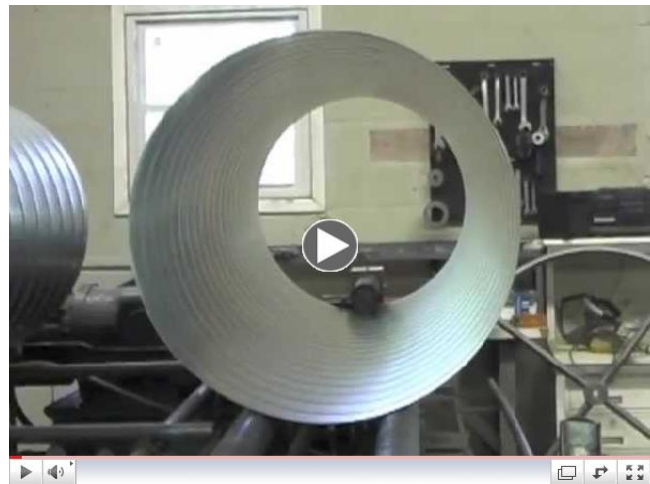
Field installation of angle rings onto ends of spiral pipe.

Angle rings are shipped loose and can be bolted to the ends of spiral pipe. Finger grip, vise grip or C clamp angle ring to end of spiral pipe. Drill through ring and wall of pipe. Use rounded head bolts with head on



inside and nut on outside. After tightening nut, take a regular vise grip and purposely ruin the bolt threads. The purpose of this is so the nuts will not vibrate loose and have the bolt fall into pipe. Then, duct seal back seam of angle ring and run a bead of sealer on face of one of the rings before bolting together. Many times a welder is not available and this is a very viable alternative.

Manufacturing in action Spiral Pipe



Manufacturing Spiral Pipe

Air Handling Systems manufactures spiral pipe in 18, 20, 22, & 24 gauge galvanized metal. Stronger than other pipe, our Spiral pipe is up to 20% stronger than smooth pipe systems of the same gauge, due to the added spiral reinforcement. No painting required on our spiral pipe, will last years outdoors.

[Click here for more information on our spiral pipe.](#)

NFPA & Spiral Pipe Q&A

Q: I have been told that the NFPA does not suggest the use of spiral style pipe in the interior of a

[Click here for more information on our angle rings.](#)

Curt Corum,
Sales Manager
ccorum@airhand.com

Flexible Hose



Air Handling
Systems
stocks 15
different types
of flexible
hoses from
2"-12" in
diameter all
Made in USA.

[Click here to see our online selection.](#) If you don't see the hose you need, let us know and we can tap our extensive network to find the correct hose for your application.

What makes Air Handling the BEST Choice...

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Air Handling Catalog

building. My boss wants me to verify that we can use steel spiral pipe for future projects and not be doing something wrong. Can you tell me where I might find the answer?

A: It is important to understand the industrial application. NFPA has many standards covering many different industries. If you are working with wood, NFPA 664 (Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities) would apply. General industry guidelines would reference NFPA 654 (Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids). If you are working with combustible metals you would reference NFPA 484 (Standard for Combustible Metals).

NFPA 664 8.2.2.2.1.1 states ductwork shall be metallic (not PVC). NFPA 654, which is for general industry, section 7.6.2 simply states ductwork shall be constructed of metal or noncombustible, conductive material... NFPA 484 for combustible metals section 6.3.3.5.3 states duct seams shall be oriented in a direction away from personnel (which would preclude spiral pipe).

Additionally, you can reference "Round Industrial Dust Construction Standards", Second Edition, published by SMACNA which states in section 11.2 "SMACNA has accepted the need to expand the use of spirally generated duct to industrial applications..." specifically for either Class 1 (general ventilation) or Class 2 - Medium Duty (woodworking).

We supply spiral ducting as the norm in woodworking and many other industries throughout the entire country, accept when working with combustible metals.

DISCLAIMER: Many states and localities have codes and regulations (enforced by AHJ (Authorities Having Jurisdiction)) governing sales, construction, installation and or use of Products for



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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, state & local codes, regulations, and be sure that the Product, installation, and use will be in compliance.

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Air Handling Systems | 5 Lunar Dr | Woodbridge | CT | 06525