

Instructions Addendum

Flex Hose General Care & Grounding Static Dissipation Measures

General Applications:

Pneu-Con's Standard Flex Hose is typically a Clear PVC Hose (soft) molded with an external Helix (rigid) giving the hose excellent mechanical strength, yet flexible enough to maneuver in relatively tight locations. Most all Pneu-Con Flex Hose is supplied with an embedded (integral to helix (major coil) portion) Copper Grounding Wire. Optional hose types available, contact our Parts Department for additional details and pricing.

Use:

Pneu-Con Flex Hose is made of PVC suitable for general material handling use in the Chemical, Pharmaceutical, Food, Dairy and Plastics Industries; suitable for use in temperatures ranging from -4°F (-20°C) up to 150°F (+65°C). When applicable, please specify Food Grade, although most Pneu-Con supplied Flex Hose is.

Service life of flex hose is dependent upon type of material being conveyed and operating conditions. Refer to the chart below for minimum allowable bend radius. It is important to not only keep quantity of bends to a minimum, but provide the maximum radius affordable, so as not to impose undue stress in the hose.

| Hose ID | Hose OD | Min Bend Radius (@68°F) | Vacuum Rating (Hg) | Weight (lbs/ft) |
|---------|---------|-------------------------|--------------------|-----------------|
| 1-¼ | 1.65 | 2 | 28 | .33 |
| 1-½ | 1.93 | 3 | 28 | .43 |
| 1-¾ | 2.21 | 3.5 | 26 | .52 |
| 2 | 2.48 | 4 | 24 | .58 |
| 2-½ | 3.07 | 5 | 24 | .89 |
| 3 | 3.64 | 6 | 24 | 1.25 |
| 4 | 4.72 | 10 | 20 | 1.93 |

Static Control:

To control static build-up the hose has an integral Copper Ground Wire embedded within the helix wall; If you are experiencing excessive static build-up within the line, and/or product being conveyed, it will be necessary to alter the ends of the hose to expose the embedded Grounding Wire.

Carefully, with utility knife, cut away the Helix material surrounding the Copper Wire. Remove a sufficient amount of the helix until a one to two inch length of wire is exposed. Repeat step for each hose-end to be dressed.

Make physical connection to adjacent ground point(s) through the Clamp, Fitting or by other means.