

# PVC Hose-Corrugated Cover

## *PVC Food and Sanitary Hose with Clear Helix*

This highly flexible and economical hose is ideally suited for the handling of dry food products, as well as bulk pharmaceuticals and cosmetics. Manufactured from FDA materials, it is crystal clear to allow the monitoring of material flow. This lightweight smooth bore hose is frequently used in pneumatic transfer of power, pellets and granular materials. The corrugated cover provides increase flexibility and the ease of handling.

### **PVC Advantage:**

**Sanitary** – Complies with all applicable **FDA** (CFR Title 21 Parts 170 to 199), **USDA** (for Federally inspected meat and poultry plants) requirements and **3-A** (No. 20-15) sanitary standards. Available with either a static dissipating copper wire or a white anti-static thermoplastic helix.

**Chemical Compatibility** - PVC is resistant to a wide range of common food related by-products and chemicals (consult with the factory for specific recommendations).

**Compatible** - PVC is suitable for general use in slaughtering, processing, transporting and storage areas in direct contact with meats or poultry food products prepared under Federal Inspection.

### **Fittings:**

Over 40 standard fitting styles available, including; Flanged, Sanitary, JIC, NPT, Cam Lock, PFA Encapsulated, Solid Kynar and Polypropylene fittings. Standard material is 316 Stainless Steel. Non-Wetted fitting material is Epoxy Powder coated Carbon Steel. Fitting designs feature high performance smooth internal surface finishes exceeding **Pharmacopoeia class VI, FDA, USDA, and 3A** standards. All collars are Stainless Steel.

### **Specifications:**

Temperature Range: -4°F(-20°C) to +150°F(+65°C)

| I.D.<br>NOMINAL<br>(in.) | O.D.<br>NOMINAL<br>(in.) | MAXIMUM<br>WORKING<br>PRESSURE (psi)<br>@70°F(20°C) | MAXIMUM<br>WORKING<br>PRESSURE (psi)<br>@122°F(50°C) | MINIMUM<br>BEND<br>RADIUS<br>(in.) | APPROXIMATE<br>WEIGHT<br>PER FOOT<br>(lbs) |
|--------------------------|--------------------------|---|--|------------------------------------|--|
| 1                        | 1.30                     | 55  | 30   | 2.00                               | 0.21                                       |
| 1 1/4                    | 1.60                     | 50  | 25   | 2.00                               | 0.28                                       |
| 1 1/2                    | 1.92                     | 50  | 25   | 3.00                               | 0.35                                       |
| 2                        | 2.40                     | 40  | 20   | 4.00                               | 0.56                                       |
| 2 1/2                    | 3.00                     | 40  | 20   | 5.00                               | 0.77                                       |
| 3                        | 3.64                     | 40  | 20   | 6.00                               | 1.10                                       |
| 3 1/2                    | 4.21                     | 35  | 18   | 8.00                               | 1.48                                       |
| 4                        | 4.72                     | 35  | 18   | 10.00                              | 1.80                                       |
| 5                        | 5.74                     | 30  | 15   | 16.00                              | 2.34                                       |
| 6                        | 6.91                     | 30  | 15   | 18.00                              | 3.70                                       |
| 8                        | 8.97                     | 20  | 10   | 36.00                              | 5.53                                       |

Maximum working pressure decreases as temperature increases.  
Rated pressures can only be obtained at these temperatures.



**PureFlex™ Inc. information is based on technical data and testing that PureFlex™ Inc. believes to be reliable. It is intended for use by persons having technical skill, at their own discretion and risk. Since conditions of product are outside PureFlex™ Inc. control, PureFlex™ Inc. makes no warranties, express or implied, and assumes no liability in connection with any use of this information.**