

**INDUSTRIAL FLEXIBLE STAINLESS STEEL HOSES****MATERIALS**

Corrugated tube obtained from stainless steel strip. The type of stainless steel used is AISI 316L. The connections are made in stainless steel AISI 304. The nuts are in brass CW617N. The joints are made of nitrile rubber complying with EN 549.

**TYPES OF CONNECTION (2 types)**

- A. With flange for gasket (white coated tube)
- B. Without flange for sealing, flat joint type (yellow coated tube)

**STANDARDS**

Flexible hoses manufactured according to Standards UNE-60713/1

**COVERING**

Heat-shrinkable coating with adhesion to all corrugated pipe undulations, made of PVC material with flame-retardant properties. This coating also protects the tube from aggression from the surrounding environment without affecting the mechanical extension or contraction force of the tube.

**WORKING TEMPERATURE**

The operating temperature of the uncoated tubes is estimated to range from -55 ° C to + 250 ° C. For coated tubes, the maximum operating temperature is + 120 ° C. For applications with temperatures lower or higher than those stated, please ask our technical department.

**WELDING**

All the weldings are automatically carried out using the TIG method, in an atmosphere protected by Argon, without any type of material input, through the direct fusion of the base materials.

**WORKING PRESSURE**

The working pressure for the gas pipes is limited to 0.5 bar, in compliance with the current regulations for use in appliances with a maximum heat capacity of 35 kW. For applications other than those indicated, please ask our technical department.

**TIGHTNESS**

The sealing tests are made at 100% of production: each piece is tested individually and it is immersed in water by internally applying air pressure to test all parts of the tube, mainly the weldings. Sampling, including destructive testing, it is also carried out in the internal laboratory, as required by the specific regulations.

**RADIUS OF CURVATURE**

The radius of curvature must be at least 1.5 times the outside diameter of the tube. Never underneath this. If we have an 18 outer diameter tube, the minimum radius of curvature is 27.