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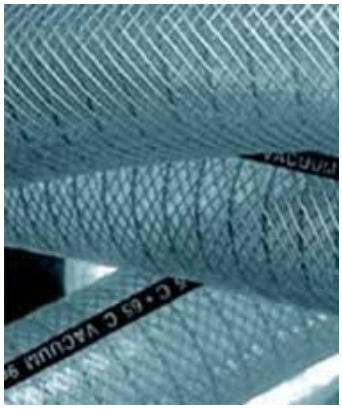
# FDA MESHED FOOD GRADE PVC METAL HOSE

*HOSES › Water intake hoses*



Plasticized PVC pipe with two layers and built-in galvanized steel spiral Polyester fiber reinforcement, for the suction and passage of food liquids.

- SMOOTH INTERNAL AND EXTERNAL SURFACES
- EXTREME FLEXIBILITY (SEE CURVATURE RADIUS)
- ABRASION RESISTANCE ISO 4649:3
- TEMPERATURE OF USE -5°C +65°C
- CRUSH RESISTANCE

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Suitable for contact with food
**EU: according to DDC (see below)**
**FDA: according to DDC (see below)**
**free from Ortho Phthalates**

Operating temperature from -5°C to +65°C. Maximum depression 9mH $_2$ O

APPLICATIONS:
Chemical plants, automatic cleaning systems, pneumatic equipment, level indicators, transfer of aci salts, bases, transport of aggressive chemicals, compressed air, food industry.

| Diameter internal mm | Diameter external mm | Pressure of exercise bar | Pressure of explosion bar | Radius of curvature mm | Weight m/g | R |
|---|---|---|---|---|---|---|
| 19 | 28.0 | 20 | 60 | 80 | 450 | 6 |
| 25 | 35.5 | 20 | 60 | 90 | 670 | 6 |
| 30 | 40.5 | 16 | 48 | 105 | 770 | 6 |
| 32 | 42.5 | 16 | 48 | 110 | 800 | 6 |
| 35 | 47.0 | 14 | 42 | 125 | 1100 | 6 |
| 38 | 51.0 | 14 | 42 | 135 | 1150 | 3 |
| 40 | 53.5 | 14 | 42 | 140 | 1200 | 3 |
| 45 | 58.0 | 14 | 42 | 155 | 1400 | 3 |
| 50 | 63.5 | 14 | 42 | 170 | 1600 | 3 |
| 60 | 74.0 | 12 | 36 | 200 | 1980 | 3 |
| 63 | 77.0 | 12 | 36 | 210 | 2050 | 3 |
| 76 | 92.0 | 12 | 36 | 250 | 2800 | 3 |
| 80 | 96.0 | 10 | 30 | 300 | 2850 | 3 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 90 | 106.5 | 10 | 30 | 350 | 3300 | 3 |
| 102 | 119.0 | 10 | 30 | 400 | 3900 | 3 |
| 120 | 138.0 | 8 | 24 | 480 | 4800 | 2 |
| 127 | 145.0 | 7 | 21 | 500 | 5200 | 2 |
| 152 | 171.0 | 5 | 15 | 600 | 6700 | 2 |

All technical data refers to a temperature of 23°C ± 2°C (ISO 291). - Tolerances on all data indicated ± 5%.

**EU CERTIFICATION**

they are suitable for contact with aqueous, acidic and alcoholic foods (up to 20%) for which simulants A, B, C are provided for a max repeated contact of 30 minutes at a temperature of 40°C.
The tubes are devices suitable for the passage of fluids or solids and therefore should not be used for storing food products. Avoid c of food with the ends and the external surface of the tube.
Sterilization of the tubes must be performed before use at the user's expense.
The pipes are made of two-layer plasticized PVC with an embedded galvanized steel spiral and polyester fiber reinforcement. Smoot internal and external surfaces.

THE ABOVE TUBES COMPLY with the following European legislation:
- Directive 1978/142/EEC; Regulation 1935/2004/EC;
- Regulation 1895/2005/EC (epoxy derivatives);
- Regulation 2023/2006/EC (GMP);
- Regulation 10/2011/EU and subsequent amendments

and to the following Italian legislation:
- Ministerial Decree 03/21/1973 and subsequent updates and amendments
- Decree of the President of the Republic no. 777 of 23/08/1982 and subsequent updates and amendments

The above-mentioned tubes were manufactured exclusively with substances (monomers, pigments, and additives) listed in the positi lists of the aforementioned legislation. The material contains substances subject to restrictions in the aforementioned legislation and listed below:

| NAME | Reference | Case no. | SML (mg/kg) |
|---|---|---|---|
| Stearic Acid | 24550<br>89040 | 57-11-4 | 60 |
| Vinyl Chloride | 26050 | 75-01-4 | 0.01 |
| 3-(3,5-di-tert-butyl-4-hydroxyphenyl) octadecyl propionate | 68320 | 2082-79-3 | 6 |
| Epoxidized Soybean Oil | 88640 | 8013-07-8 | 60 |
| Terephthalic acid, bis(2-ethylhexyl) ester | 92200 | 6422-86-2 | 60 |
| Zinc Salts | (*) | --- | 5 |

(*) Annex II EU Regulation 10/2011.

Test conditions
Simulant B: 3% acetic acid in aqueous solution Time and Temperature: 30 min at 40°C (repeated use)
Simulant C: 20% ethanol in aqueous solution Time and Temperature: 30 min at 40°C (repeated use)
The global migration tests of the various simulants were carried out under the conditions indicated in Annex V, Table 3, OM0
The analytical tests were conducted in accordance with Regulation 1935/2004/EC, Regulation 10/2011/EU, and Ministe Decree 21/03/1973 on the liquid resulting from contact with a representative sample in □Article Filling□ mode (for filling with a maximum contact surface/volume ratio of 2.10 (dm2/dl) (simulant B, C) respecting the test conditions mentioned

above. To verify compliance with the regulations, the calculations were performed assuming that 1 kg of food comes int
contact with 6 dm2 of material.
According to experimental data and/or theoretical calculations, these substances comply with the provisions of Article 1
Regulation 10/2011/EU, paragraph 3, letters a and b, and of the Ministerial Decree of March 21, 1973.
The overall migration limit, together with the other restrictions (metals, primary aromatic amines Reg. 10/2011/EU Anne
point 1,2) and the substances indicated above, comply with the limits of the same legislation including the update Reg.
1245/2020/EU.
In accordance with our suppliers' declarations regarding the raw materials used in the current formulation of the
above-mentioned tubes, substances defined as "Biocides" (Regulation 528/2012/EU and subsequent amendments) are
intentionally added during tube production. Dual-use additives.
The tubes contain the following substances regulated by Regulation 1333/2008/EC (food additives) and subsequent
amendments and by Regulation 1334/2008/EC (flavourings) and subsequent amendments: E 470a Sodium, Potassium
Calcium Salts of Fatty Acids; E 570 Fatty Acids.
The information stated refers only to suitability for contact with foodstuffs with the limitations indicated above.
This statement will be updated in the event of changes to the wording and/or if legislative references are modified and
updated in a way that requires a new verification for compliance purposes.

**FDA CERTIFICATION**
it is declared that:
? the additives added in the formulation of the plasticized PVC mixture, constituting the pipes in question, fall, as of the
latest amendment, among those indicated by FDA sub part 21 CFR, for the production of articles intended to come into
contact with food: types I, II, IV-B, VI-A, VI-B, VI-C (up to 15 percent alcohol by volume), VII-B, and VIII described in 17
(c) of chapter 177.1210 table 1 and in the conditions of use from A to H described in 176.170 (c) of chapter 177.1210 ta
2.
? PVC resin falls under FDA CFR part 21 Sec. 170.3 (l) □Prior sanction□.

The tubes are devices suitable for the passage of fluids or solids and therefore should not be used for food storage. Av
contact of food with the ends and external surface of the tube. Sterilization of the tubes must be performed before use a
user's expense.

The above-mentioned articles have been manufactured exclusively with substances (monomers, pigments and additive
indicated in the positive lists of the aforementioned legislation.
The information declared refers only to suitability for contact with foodstuffs with the limitations indicated above.
This statement will be updated in the event of changes to the wording and/or if legislative references are modified and
updated in a way that requires a new verification for compliance purposes.