

Corroflon Hose Braids

SS - Stainless Steel Braid



Purpose

Stainless Steel braided hose is the general purpose product, and can be used in applications involving high temperatures and working pressures. High tensile AISI 304 stainless steel wire is used, to give maximum pressure resistance and external protection to the hose.

PB - Polypropylene Braid



Purpose

Polypropylene braided hose is often preferred to SS in applications involving frequent handling and movement of the hose, and where temperatures are within the range -30°C to +100°C (-22°F to +212°F). PB braid is lighter in weight, and any broken strands will not cut the operator's hands. In addition, PB braid is not prone to "chloride stress corrosion", and has generally good chemical resistance.

NOTE: Prolonged exposure to sunlight eventually results in UV degradation of PB braid.

KYB - Kynar Braid (Polyvinylidene Fluoride Monofilament)

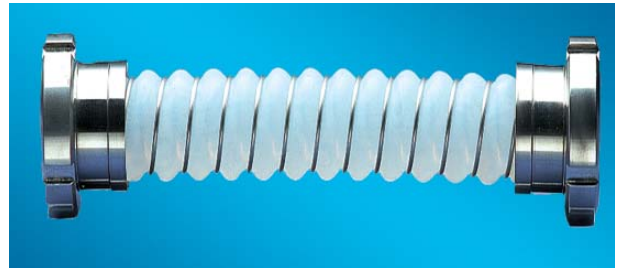


Purpose

Kynar Braid is used in the same application as Hastelloy Braid, but only in applications where the reduced pressure ratings of KYB as listed are acceptable. A Safeguard Sleeve is always recommended. Monel or Hastelloy wire should be used.

Full details about the applications should be given to Aflex Hose for evaluation and recommendations.

TO - Tube Only (no braid)



Purpose

TO grade hose (available in both GP and AS) is a lightweight hose, used in applications where working pressures are low and where there is no need for the physical protection offered by an external braid.

HB - Hastelloy Braid (C276 grade)



Purpose

Hastelloy Wire Braid is used instead of SS where severe chemical corrosion conditions exist around the outside of the hose. The most usual way in which this can happen is when Chlorine, Bromine, Hydrogen Fluoride, Hydrogen Chloride or Phosgene are being transferred. Diffusion of trace quantities of such fluids or gases through the PTFE liner can lead to atmospherically wetted halogen chemicals attacking the braid material, in which case the Hastelloy Braid would be resistant up to 60°C (140°F) maximum. This should only be used, however, in conjunction with a Monel or Hastelloy Helix Wire.

Full details about the applications should be given to Aflex Hose for evaluation and recommendations.

Specifications

Same as for SS on Page 7, except the Burst Pressures and the Maximum Working Pressures are both reduced to 80% of the SS pressures listed.

Also, the sizes range is restricted, from 1/2" up to 2" bore only.

SPECIAL NOTE:

EC - Electrical Continuity (Also known as "Electrically Bonded")

The requirements for this are specified in the German Document BRG 132 and EN ISO 8031 Annex A, when tested in accordance with EN ISO 8031, which requires that the resistance between end fittings shall be <math><10^2</math> ohms per assembly. For hose assemblies which meet this requirement a Grade "M" marking can be applied in accordance with EN ISO 8031 Annex A if requested.