



Refflex The flexible connection

REFFLEX® Polyamide (“Nylon”) flexible hose for CO2

REFFLEX® introduces flexible hoses for carbon dioxide in trans-critical systems. The specific application of CO2 in trans-critical plants requires a different solution compared with “traditional” REFFLEX® hoses.

A new range of hoses for these applications is now available. The basic design is a DN-5.0 mm hose, made of heat stabilized PA6.12 (“Nylon”), reinforced with a **single-layer aramid (high-tensile fibre)** and with suitable fittings. The PA compound, along with the aramid fibre allows for the typical pressure-temperature conditions involved with trans-critical CO2 systems.

Upon special request, compressor manufacturers may supply their products with relevant 6-mm plain tube compression fittings, as required for HP- and LP measure, control and for oil return.

These prefabricated hoses can be used in sub-critical systems as well.

Specifications:

- Inside diameter: 5 mm (3/16”)
- Outside diameter: 8 mm (5/16”)
- Core material: PA (“Nylon”)*
- Reinforced: Aramid (high-tensile fibre)
- Max. working temp.: 130 °C (266 °F)
- Max. working press.: 130 bar (1885 PSI)
- Test pressure: 500 bar (7250 PSI)

* Heat resistant, modified PA

Variations:

- 1/4” SAE flare – 7/16” UNF - Straight and elbow
- Plain steel tube 6 mm O.D. for use with compression fitting

