

# Oxyban-Tube

Oxygen impermeable & highly flexible

## Application field

Due to its impermeability to oxygen the unbraided tube is superbly suited for flexible connection of:

heating and air conditioning systems



within a temperature range of up to  $-40^{\circ}\text{C} - 80^{\circ}\text{C}$   
maximum operating pressure: 10 bar

## Typical applications

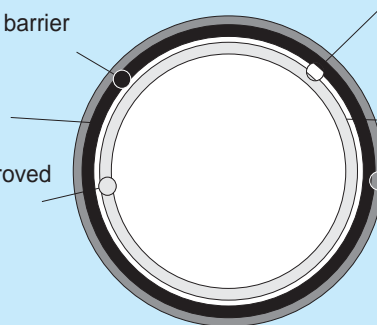
Heat pump connection  
Oxygen-tight applications (heating/plumbing)

### 5-layer-compound-structure

**PE-protection layer** protects the oxygen barrier from damage

adhesive layer

pure **polyethylene** approved as pipe, flexible as tube



oxygen diffusion barrier  
**EVOH**

adhesive layer

high-quality braiding made of **stainless steel AISI** with marking wire

## Material features

The tube material is free of any halogenes, flexibilisers and heavy metals. It has been examined for its oxygen diffusion behaviour acc. to DIN 4726. In order to be classified as oxygen impermeable acc. to DIN a maximum of 100 mg of oxygen per  $\text{m}^3$  and per day is licit to diffuse into the inside of the tube.

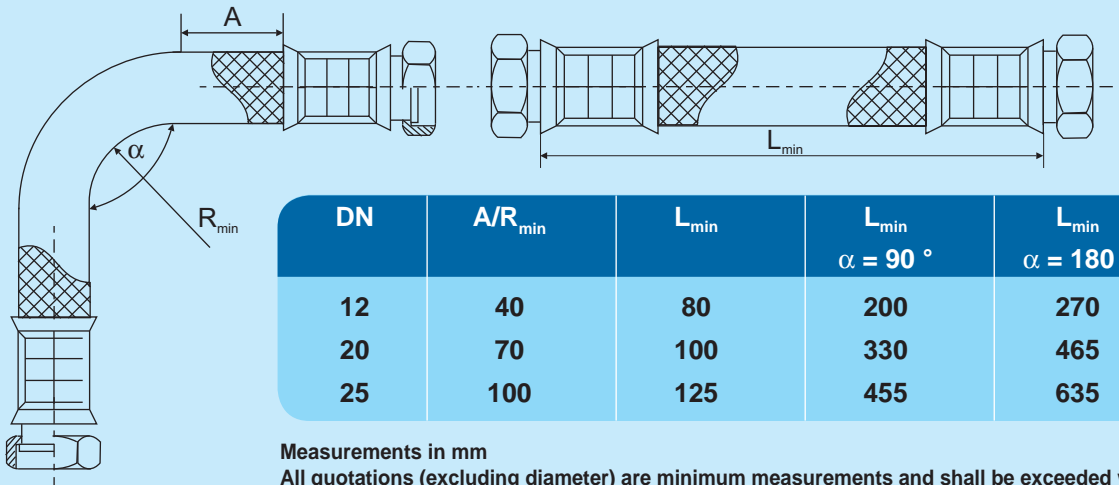
The Oxyban-Tube undercuts this limit many times with an amount of only 0,86 mg of oxygen per  $\text{m}^3$  and per day.

The exclusion of oxygen stops corrosion as well as the growth of bacteria and consequently prevents the silting in heating and air-conditioning-systems.

## Technical data

	DN 12	DN 20	DN 25
Inner diameter in mm	11,6	21,2	25,5
Outside diameter in mm	15,6	25,4	31,0
Max. operating pressure in bar	10 bar		
Max. operating temperature	+ 80 °C		
Braiding	Stainless steel wire AISI 304		
Ferrules	Stainless steel AISI 304		
Fittings	Standard fittings nickel-plated brass / blank or custom-made		
Lengths	different lengths on request		

## Bending radiuses



DN	A/R <sub>min</sub>	L <sub>min</sub>	L <sub>min</sub> α = 90 °	L <sub>min</sub> α = 180 °	L <sub>min</sub> α = 360 °
12	40	80	200	270	420
20	70	100	330	465	725
25	100	125	455	635	1000

Measurements in mm

All quotations (excluding diameter) are minimum measurements and shall be exceeded when possible.

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### Overview of benefits:

- + Easy installation and long life
- + Suitable for connection to heat pumps
- + Exclusion of oxygen avoids corrosion
- + DVGW - W270, KTW approvals
- + Oxygen diffusion according to DIN 4726
- + Noise measurement according to DIN EN ISO 3745
- + Pressure-resistant
- + Includes fittings on the corrugated tube ends
- + Corrugated tube sleeving made of braided stainless steel
- + 5-layer tube

Interested?  
Then please talk to us:

Schlemmer ecotech  
info@schlemmer-ecotech.com  
www.schlemmer-ecotech.com