



# REFFLEX<sup>®</sup>

THE FLEXIBLE CONNECTION

## Flexible tubes

DN-2.0 - DN-5.0



## Fittings

Crimp and screw



## Flexible tubes

Prefabricated hoses



## Tools

Crimping tools



## Flexible hoses for the refrigeration industry

Prefabricated hoses, tubes, fittings and tools



EN 1736 – CLASS 1 standard



ISO 9223 minimal C3 category



REACH 1907/2006 compliant



ROHS-3 2011/65EU + 2015/836 compliant

DN-2.0

DN-5.0

Crimp fittings

Screw fittings

Organisers

FL/ODS connectors



## Why Reflex®

Refrigeration systems are subject to mechanical vibrations. These are caused by compressors, driving motors and gas pulsations, and are being transferred to equipment and pipe work.

REFFLEX® is an extremely strong material and yet has a great vibration eliminating performance, vibrations do not come through! Apart from that, because of the simple way of making your own flexible connection, along with the wide range of special fittings, REFFLEX® is safe and cost reducing as well.

REFFLEX® is the most sophisticated system of flexible tubing, having excellent mechanical and thermal properties combined with a very high flexibility. It is suitable for all non-corrosive refrigerants including natural gases and the relevant special oils such as ester- and PAG.

### **REFFLEX® refrigeration hose has the following excellent properties:**

- Highly flexible, bending at extreme short radius
- Types for HFC/HFO, HC and CO2
- Suitable at -40°C/115°C
- Max.working pressure 80 bar
- Very high burst proof values
- Absorbing all possible multidirectional vibrations
- Ozone-, UV- and oil resistant
- Extremely strong and reliable
- Very easy to work with
- Different colours of hose available

REFFLEX® is a product of the Netherlands and is applied by contractors and OEM customers all over the world.



## Flexible tubes

Prefabricated hoses



## Prefabricated hoses

### Advantages of our prefabricated hoses:

- Time saving
- Short delivery times even for large batches
- No investment in tools
- Ideal for larger amounts
- Made according to your required length and fittings
- Available for all our types of hoses
- Most common lengths on stock
- Red caps on the fittings protect the hose against dirt

### General basic specifications:

- Suitable at -40°C/115°C
- max.working pressure 80 bar
- Very high burst proof values (at 20° C)
  - DN-5.0 > 500 bar
  - DN-2.0 > 700 bar
- Core material: Polamid-6 (Nylon)
- EN 1736 CLASS 1 at 100°C and 130 bar
- Available with 1/4" & 3/8" SAE FL

*REFFLEX® Prefabricated hoses are the best practice for large OEM customers.*



DN-5.0

DN-2.0

DN-2.0 SLT

DN-5.0 SCR



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## Fittings

Crimp and screw



## Wide range of fittings

REFFLEX® simplifies the connection of:

- Pressure switches
- Pressure transducers
- Manometers
- Water flow controls
- Fan speed controls
- Oil separators, level regulators (DN-5.0)

REFFLEX® offers a full choice of straight, angle and tee-connectors. The flared nuts are made of hot-forged brass as the best option for the refrigeration industry. Both straight and angle connectors have the swivel nut sliding backwards far enough to position a copper gasket whenever required. Access valve depressors are available for the 1/4" flare fittings.

### REFFLEX DN-2.0 Nipples



### REFFLEX DN-5.0 ERMETO



*Special DN-2.0 nipples and DN-5.0 Ermeto for use with compression fitting.*

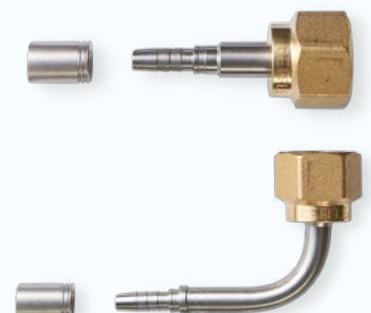
### REFFLEX DN-2.0



### REFFLEX TEE PIECES



### REFFLEX DN-5.0



### REFFLEX DN-2.0 SLT



### REFFLEX DN-5.0 SCR



## Flexible tubes

DN-2.0 - DN-5.0



## Multiple colours of tube

### Excellent properties of REFFLEX® tube:

- Highly flexible, bending at extreme short radius
- Types for HFC/HFO, HC and CO2
- Absorbing all possible multidirectional vibrations
- Ozone-, UV- and oil resistant
- Extremely strong and reliable
- Very easy to work with
- Different colours of hose available



*Our tubes are available in multiple colours from stock.  
Even custom colours are possible for larger requests.*

## Tools

Crimping tools



Sophisticated tools are available for preparing the best quality connections with REFFLEX® hoses and fittings.

- Work bench tool for series production
- Hand held tool for on site assembly
- Electrical DN-5.0 crimper for faster assembly

## Easy assembly on site



*REFFLEX® DN-5.0 SCREW fittings do not require any special tools at all.*

## More REFFLEX® products

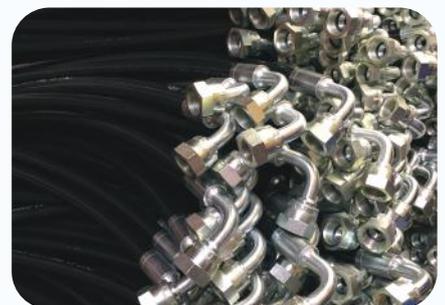
### Prefilled organisers



### (HP) FL/ODS connectors

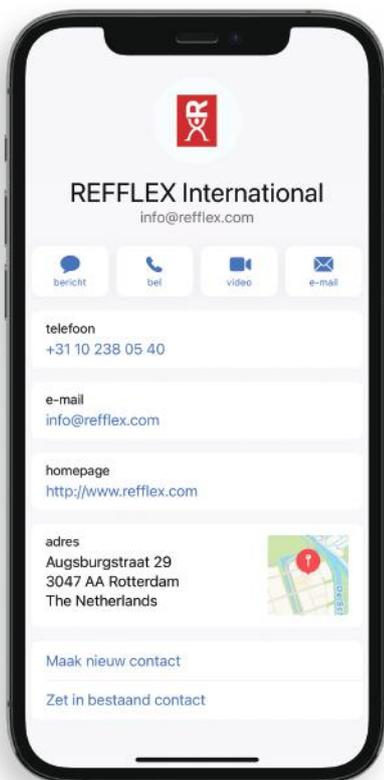


### REFFLEX XL > DN-8.0





# REFFLEX<sup>®</sup>



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ISO 9223 minimal C3 category



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RoHS-3 2011/65EU + 2015/836 compliant

