

FAN-COIL HOSES (DIELECTRIC) FIG. VA352

- ✓ Fan-coil hoses are flexible metal hoses made of stainless steel, designed to convey hot or cold water to fan-coil units. They are preferred due to their high resistance to temperature and pressure, their ability to absorb vibrations, and the ease of installation they provide with a dedicated dielectric connection construction.
- ✓ When selecting a hose suitable for the system, criteria such as pressure resistance, temperature durability, and connection compatibility should be carefully considered. Installation should be carried out in accordance with the instructions provided on the product.
- ✓ In this way, fan-coil hoses ensure a leak-proof, flexible, and corrosion-resistant structure, contributing to the long-lasting and efficient operation of the system.
- ✓ Because the dielectric connection construction changes with connection size, the product range is divided into two design groups. Group A covers 1/2" through 1 1/4" connections, while Group B covers 1 1/2" and 2" connections.

GROUP A



GROUP B



Specification

Connection Size – Group A	1/2" - 3/4" - 1" - 1 1/4"
Hose Diameter (DN) – Group A	DN12 - DN16 - DN20 - DN25
Connection Size – Group B	1 1/2" - 2"
Hose Diameter (DN) – Group B	DN25 - DN32
Dielectric Isolation Material – Group A	EPDM
Dielectric Isolation Material – Group A	PTFE
Connection Construction	Dielectric – Dielectric, Dielectric – Standard
Connection Type	Male – Female, Female – Female, Male – Male
Hose Material	Stainless Steel AISI 304L (Standard), AISI 316L (Optional)
Braid Material	Stainless Steel AISI 304
Ring Material	Stainless Steel AISI 304
Insulation Material	Elastomeric Rubber Foam 9mm (Standard), 13mm (Optional)
Adaptor Fittings Material	Carbon Steel (Standard), Stainless Steel (Optional)
Nut Material (Dielectric)	Brass
Nut Material (Standard)	Carbon Steel (Standard), Brass (Optional)
Nipple Material (Dielectric)	Brass
Nipple Material (Standard)	Carbon Steel (Standard), Stainless Steel (Optional)

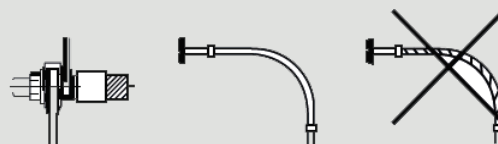
TECHNICAL DETAILS

DN	Static Bending Radius (mm)		Dynamic Bending Radius rN (mm)		Pressure Class (PN - bar)	
	Braided	Unbraided	Braided	Unbraided	Braided	Unbraided
12	42	20	140	140	40	10
16	58	28	160	160	40	10
20	70	32	170	170	40	6
25	85	40	190	190	40	6
32	105	50	260	260	25	4

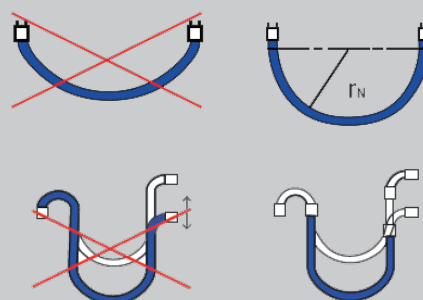


INSTALLATION AND USAGE INSTRUCTIONS

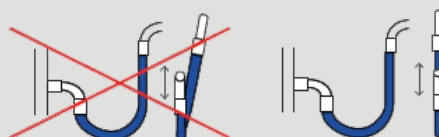
Avoid torsion the hose assembly during installation, as this will shorten the product's lifespan and negatively affect its performance. Especially during the fitting connection, the inner part of the fitting should be held fixed with one spanner while the nut is tightened with another spanner



The hose assembly shall not be bent to a radius smaller than the minimum bending radius (r_N) specified in the table above. Sufficient hose length must be provided to avoid this



The hose axis and motion direction must be at the same level to avoid torsion



Axial rotation of the hose must be restrained. Install the hose at a right angle to the flow direction

