

SOLAR THERMAL SYSTEMS

FLEXIBLE CONNECTION EQUIPMENT



About Ayvaz

Established in 1948, Ayvaz has been at the forefront of flexible connection parts manufacturing for over seven decades. Our extensive range of products includes various types and customized designs tailored to meet the specific needs of different industries.

Our company's reputation remains high, built on a foundation of providing innovative and reliable solutions to our partners. This steadfast commitment to quality and innovation has earned us the trust and loyalty of cooperators worldwide.

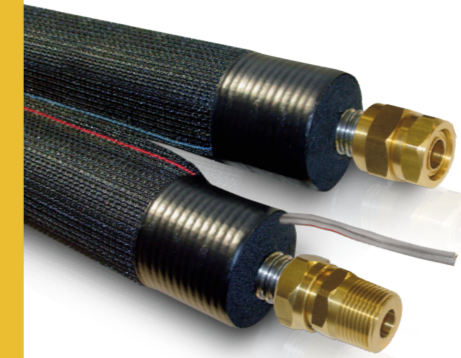
At Ayvaz, we are dedicated to supporting our partners around the clock, ensuring that they feel the presence and expertise of our "flexible solutions" no matter where their businesses are located. Our global reach and unwavering dedication to excellence make Ayvaz a name synonymous with reliability and innovation in the industry.

Consulting

At Ayvaz, we offer a wide range of products catering to various industries, ensuring that we meet the diverse needs of our clients. Our services go beyond just providing products; we also offer comprehensive engineering activities from product specification to project estimation, ensuring that we deliver the most specific solutions for each unique case.

Our team of experts is dedicated to sharing their knowledge and expertise with potential clients. We take pride in assisting those who encounter challenges with calculations for piping systems and product selection in new plants. Whether you are dealing with complex projects or need precise product recommendations, Ayvaz is here to provide the support and guidance you need.

Ayvaz's Solar Connection Range



AYVAZ'S PRE-INSULATED SOLAR CONNECTION HOSES

Flexible metal hoses manufactured from stainless steel AISI 316L, material that are used to transport the hot and cold water between solar thermal panels and hot water storage tank.

Ayvaz has been supplying flexible metal hoses for over 40 years worldwide and has been providing valves for all risky and residential areas since 1948.

Since Ayvaz introduced the first flexible metal hose, Ayvaz has made more than 200.000.000 hoses in our manufacturing all around the world including the USA, Bulgaria, Poland, and Turkey.

Ayvaz has combined traditional background with the latest technology to its manufacturing facilities. Ayvaz has already adapted industry 4.0 which is well known as the automation of traditional manufacturing to all the facilities..

Ayvaz offers a complete set to connect all mechanic components of solar systems to each other and the rest of the system.

Ayvaz continues working to produce highly efficient connections for solar systems and to provide solutions for the problems that the workers face during the installation in order to **save time and money!**



Advantages of Pre-insulated Solar Hoses



**Optimal Safety,
Productivity and
Cleanliness**



COIL				
Diameter (DN)	DN12	DN16	DN20	DN25
Max. Length (m)	10-50	10-50	10-50	10-50

BOBBIN				
Diameter (DN)	DN12	DN16	DN20	DN25
Max. Length (m)	150	150	125	100

SOLAR THERMAL SYSTEMS

FITINGS SYSTEM FOR INSULATED SOLAR HOSES WITHOUT GASKET

Ayvaz quick connection set is the new generation push-fit system that reduces the time spent on preparation and installation. It is possible to fit the required connection and complete the assembly within minutes. With push-fit connection set, preparation of the connection end could be completed in three easy steps.



Male	
Hose	Size
DN12	x 1/2"
DN12	x 3/4"
DN16	x 1/2"
DN16	x 3/4"
DN16	x 1"
DN20	x 3/4"
DN20	x 1"
DN25	x 1"
DN25	x 1 1/4"

Female	
Hose	Size
DN12	x 1/2"
DN12	x 3/4"
DN16	x 1/2"
DN16	x 3/4"
DN16	x 1"
DN20	x 3/4"
DN20	x 1"
DN25	x 1"
DN25	x 1 1/4"

Adapter	
Hose	Size
DN12	x DN12
DN16	x DN16
DN20	x DN20
DN25	x DN25

Welded End	
Hose	Size
DN12	x 15 mm
DN16	x 15 mm
DN16	x 18 mm
DN16	x 22 mm
DN20	x 18 mm
DN20	x 22 mm
DN25	x 22 mm

Ermeto Nut	
Hose	Size
DN12	x 15 mm
DN12	x 18 mm
DN12	x 22 mm
DN16	x 15 mm
DN16	x 18 mm
DN16	x 22 mm
DN20	x 18 mm
DN20	x 20 mm
DN20	x 22 mm
DN25	x 18 mm
DN25	x 22 mm



Continuous Design



Minimum Energy Loss



Save on Time

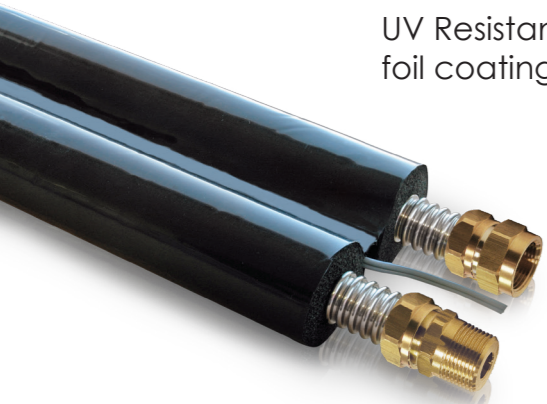


Easy Installation

SOLAR THERMAL SYSTEM HOSES

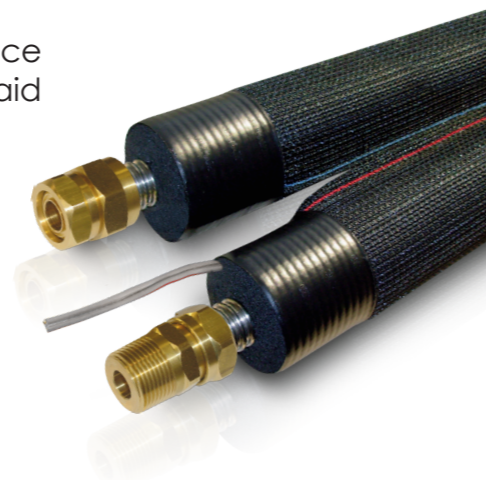
EF-FLEX

UV Resistance foil coating



EZ-FLEX

UV Resistance coated braid



E-FLEX

Only EPDM insulation



EV-FLEX

UV Resistance foil coating



NANO-FLEX

UV Resistance foil coating



	EZ -EF-E FLEX	EV-FLEX	NANO
Max Temperature	150°C (Peek 175°C)	220 °C(Peek 230 °C)	650°C
λ (40°C)	0,038	0,035	0,021
Hose Type	AGA	AGA	AGA
UV-Resistance & Animal Protect	Good(E-flex not good against animal protect)	Good	Good
Thickness	9 / 13 / 19 / 25 and above	13 / 20	5 / 10
Hose Material	316L	316L	316L
Dimensions	DN 12 / DN 16 / DN 20 / DN 25 and above	DN 12 / DN 16 / DN 20 / DN 25 and above	DN 12 / DN 16 / DN 20 / DN 25 and above



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