

Flexible Use, Secure Connection...



OPEX

Flexible, stainless, steel hose

OPEX

נחמק

About us...

Our company, which started to serve in the natural gas sector in 2004 with the vision of "Everything related to natural gas", also started to produce all kinds of Flexible Stainless Gas Connection Hoses for Residential and Industrial uses under the OPEX brand.

Our company continues on its way with its dynamic, quality staff and effective service principle in order to closely follow current innovations and demands, to expand its product range, to become one of the leading companies in the sector with new investments, to meet customer satisfaction and demands with the developing technology.

Our company offers hygienic, durable, long-lasting, easy-to-assemble and user-friendly products that do not harm human health.

As a manufacturer, the OPEX brand has the capacity to meet all the demands and needs of its customers with its new investments, high technology and experienced staff.

Our products are tested for compliance with the relevant quality standards in our well-equipped laboratory in our factory and then offered for use.

Our company carries the excitement of the first day to ensure the sustainability of success with the principle of continuous improvement at the point of maximizing customer satisfaction.





STAINLESS STEEL HOSE

STANDARD PITCH / OPEN PITCH

This type of flexible metal hose is used to transport various liquids. Made of AISI 304 / AISI 316 L Stainless Steel, flexible corrugated PLT - CSST pipes suitable for hygienic water use are long-lasting due to their high resistance to pressure and temperature, easy to install and corrosion resistant thanks to their flexible design.

TECHNICAL SPECIFICATIONS

Material : Stainless Steel (304K/316L)
Diameter Range : DN6 - DN50
Temperature Range: -270°C to +600°C
Test Pressure: 1.5 times the maximum working pressure
Burst Pressure: 4 times the maximum working pressure



BRAIDED HOSE

This type of hoses; Thanks to their flexible structure, they are used in all kinds of gas, water, steam and hot oil systems with their high compressive strength. They are also widely used in ventilation and air conditioning systems, oil and gas applications, ship and aircraft industry, food and chemicals.

TECHNICAL SPECIFICATIONS

Pipe Material : Stainless Steel (304K/316L)
Knitting Material: Stainless Steel
Diameter Range: DN6 - DN50
Fittings Tipi : Stainless Steel / Carbon Steel
Fittings Material : Stainless Steel / Carbon Steel
Test Pressure : 1.5 times the maximum working pressure (0.5barX3)





STOVE AND OVEN CONNECTION FLEXES

EN 14800

Opex EN 14800 gas hoses, when properly installed and used correctly, provide long-term safe operation under normal chemical, mechanical and thermal conditions, without breakdown.

Corrugated metal gas hoses according to this European Standard are suitable for the connection of a stove and furnace inside or outside a dwelling using gas at a pressure of less than 0.5 bar. Gas hoses are suitable for 1st, 2nd and 3rd family gases. These gases are commonly referred to as produced gases, natural gases, and liquid petroleum gases (LPG).



The gas hose is designed in accordance with EN 14800. The hose is made of stainless steel. To strengthen the hose and provide the necessary resistance to traction, the fittings are welded. The stainless-steel braid and PVC coating are a sheath that protects the hose from environmental and other external factors. In this way, the gas hose has the highest level of quality, safety and flexibility.

Different types of fittings can be used according to the need.

TECHNICAL SPECIFICATIONS

Hose : Stainless Steel (316L)

Mesh : Stainless Steel (304K)

Temperature Range : -270°C +600°C

Fittings : Stainless Steel/Brass 303K

Coating : PVC

Account : NBR

Hose lengths : 0,50m - 0,75m - 1,00m -

1.25m - 1.50m - 2.00m.

Max. Working Pressure: 0.5 bar



COMBI /BOILER /HEATER CONNECTION FLEXES

TS 13890

These hoses are generally used to connect gas-powered devices (combi boilers, water heaters, etc.) to the gas distribution system in the domestic area. It is coated with Polyolefin material to protect the hose from acid attack and thermal changes. Thanks to its flexible structure, the hose provides ease of use.

TECHNICAL SPECIFICATIONS

Diameter Range : DN12 -DN16-DN20
Hose Material : Stainless Steel (316L)
Temperature Range : -270°C to +600°C
Fittings Tipi : Rekor- Nipel
Fittings Material: Stainless Steel 303K / Carbon Steel
Gasket Material : NBR
Outer Coating : Polyolefin Based Thermoplastic



BRÜLÖR/BURNER FLEXES

TS 13890

It is used in the gas connection of burner devices.

TECHNICAL SPECIFICATIONS

Diameter Range : DN12 -DN16-DN20
Hose Material : Stainless Steel (316L)
Temperature Range : -270°C to +600°C
Fittings Tipi : Rekor- Nipel
Fittings Material: Stainless Steel 303K / Carbon Steel
Gasket Material : NBR
Outer Coating : Polyolefin Based Thermoplastic





REGULATOR FLEXES

TS 13890

The connection of regulator devices to the gas installation is made with this type of flex.

TECHNICAL SPECIFICATIONS

Diameter Range : DN25- DN32- DN40- DN50
Hose Material : Stainless Steel (316L)
Fittings Type : Rekor. - Nipple - Fork
Fittings Material : Stainless Steel / Carbon Steel
Gasket Material : NBR
Outer Coating : Polyolefin Based Thermoplastic



DN32
İSTANBUL TİPİ



DN32



DN32
YALOVA TİPİ



DN50



KOMPENSATOR FLEXES

TS 13890

TECHNICAL SPECIFICATIONS

Diameter Range: DN25- DN32- DN40- DN50
Hose Material: Stainless Steel (316L)
Fittings Type : Sleeve (Man on)
Fittings Material: Stainless Steel 303K /Carbon Steel
Gasket Material : NBR
Outer Coating : Polyolefin Based Thermoplastic





INTERNAL INSTALLATION HOSES AND FITTINGS

EN 15266

Set of stainless steel flexible corrugated pipes for gas installation with a working pressure of up to 0.5 bar. It is a very easy, fast, cheap and safe gas installation system. The flexible pipe is made of high-quality AISI316L stainless steel and has undergone heat treatment to make it more flexible. The yellow polyolefin coating protects the hose from external influences and prevents the occurrence of corrosion.

The problems that occur due to the use of additional parts at the turns and joints during the installation with the pipe softened by heat treatment are eliminated with the OPEX CSST system. This system significantly reduces labor time. With the Push Fit system, more practical and safe installation can be realized. The Opex CSST system is produced and presented to the market with a total quality understanding from the production process to the assembly process.



TECHNICAL SPECIFICATIONS

Hose Material: Stainless Steel (316L)
Outer Coating : Polyolefin Based Thermoplastic

Meter Type	Height (mm)	NUT (inch)	Nippel (inch)
G4	200	1 1/4"	1"
G6	200	1 1/4"	1"
G10	400	2"	1 1/2"
G16	400	2"	1 1/2"
G20	400	2 1/2"	2"
G25	400	2 1/2"	2"



Flexeable add



Hose Canal



T Canal



Meter entrance connection



Outer Corner



Elbow pipe



nyernal Corner



Adding Modul



T Socket



T Socket



Test socket with swivel nut



Socket with swivel recor

METER (COUNTER) FLEXES

TS 13890

This type of flex is installed in the system for gas connection of gas meter devices.

TECHNICAL SPECIFICATIONS

Diameter Range : DN25- DN32- DN40- DN50
Hose Material : Stainless Steel (316L)
Fittings Type : Rektor. - Nipple - Fork
Fittings Material : Stainless Steel / Carbon Steel
Gasket Material : NBR
Outer Coating : Polyolefin Based Thermoplastic


WATER CONNECTION HOSES

Flexible metal water connection hoses are suitable for remote water and cold water applications. The use of these hoses is very healthy and durable due to their stainless steel material structure.

TECHNICAL SPECIFICATIONS

Hose Material	: Stainless Steel (304K - 316L)
Diameter Range	: DN12 - DN50
Fittings Type	: Nut - Nippel
Fittings Material	: Stainless Steel / Carbon Steel
Insulation Material	: EPDM Rubber
Test Pressure Burst	: 1.5 times the maximum working pressure (0.5barX3)
Pressure Standard	: 4 times the maximum working pressure (0.5barX3)
	: 5 times the maximum working pressure (0.5barX3)
	: 4 times the maximum working pressure (0.5barX3)
	: EN ISO 1038





FANCOIL FLEXES

Fan-coil connection hoses are used for easy and safe connection of distribution pipes of heating and cooling systems to fan-coil units. There are 2 types, braided and non-braided. The material used in insulation is EPDM Rubber. The insulating material prevents heat loss and perspiration.



TECHNICAL SPECIFICATIONS

Hose Material : Stainless Steel (304K - 316L)

Diameter Range : DN12 - DN50

Fittings Type : Nut - Nipple

Fittings Material : Stainless Steel / Carbon Steel

Insulation Material : EPDM Rubber

Test Pressure : 1.5 times the maximum working pressure (0.5barX3)

Burst Pressure : 4 times the maximum working pressure

Standard : EN ISO 10380



SPRINKLER HOSE ASSEMBLIES

Thanks to the flexibility of the hose, it provides ease of installation. Hotels, shopping malls, parking lots, hospitals are the main areas of use.



TECHNICAL SPECIFICATIONS

Hose Material : Stainless Steel (304K - 316L)

Fittings Material : Stainless Steel / Carbon Steel

Braid: Stainless Steel 304K

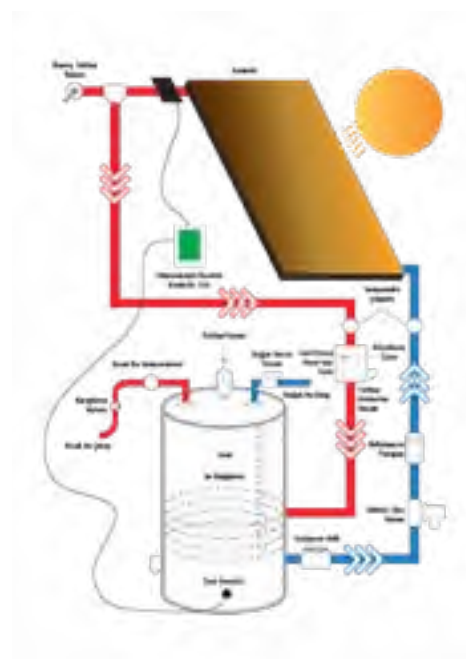


SOLAR ENERGY SYSTEMS

Opex solar systems for solar power plants are based on:

- PLT-CSST corrugated flexible pipes with 0.3 mm pre-insulation with a thickness of AISI 304 (designation: 1.4301 - X5CrNi18-10) - EPDM closed-cell structure insulation coating and cladding;
- Films with high protection against UV rays and mechanical wear;
- Special formula of flexible expanded polyurethane, which makes the tube suitable for continuous operating temperature up to 150°C. Thermal insulation is covered with a layer of aluminum, which is covered with a film that provides high protection against UV rays and mechanical abrasion.
- 4 different connection system: flange system, press-fitting system, double O-Ring system and quick connect system for the connection between Opex components and between Opex systems and other systems. The connecting threads of the components conform to:
- Sealing elements (gaskets) resistant to high temperatures and transmitted fluids that characterize thermal solar power plants.

(EN 591- NBR gasket)



AIR CONDITIONING HEAT PUMP SYSTEMS

Opex systems for heat pumps and hot or cold water hydraulic connections are based on:

- KLIMA corrugated flexible PLT-CSST pipes, AISI 304 (designation: 1.4301 - X5CrNi18-10)
- Made of stainless steel, with microcell molecular structure coating (13 mm) with a minimum thickness of 0.3 mm,
- Specially designed and tested for heat pump applications, reliable and - Provides long-lasting performance.

- Sealing elements (gaskets) suitable for domestic plumbing.
- Black heat shrink cover to protect the insulating coating in case of outdoor installation .





"Esnek bağlantıda,
fark yaratan çözümler..."



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