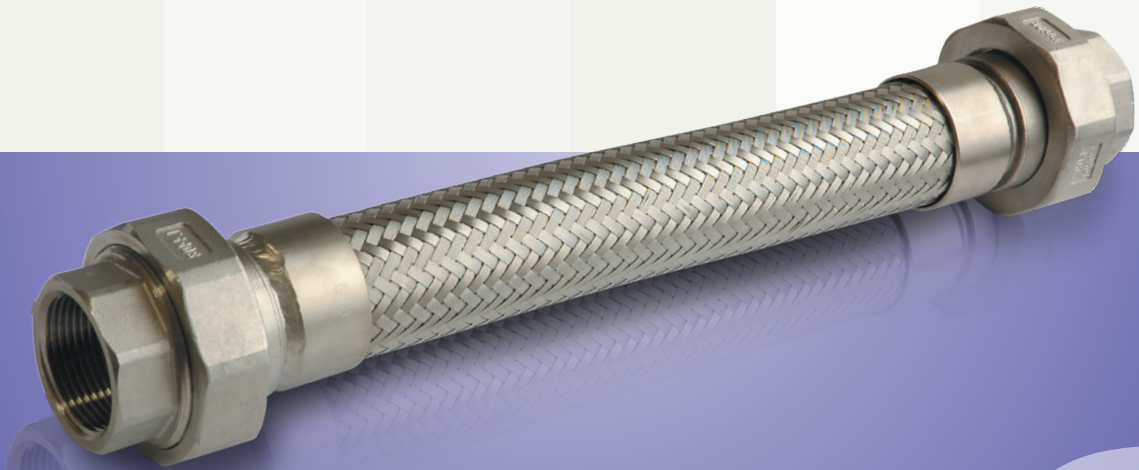




# FLEXIBLE METAL HOSE



## FLEXIBLE METAL HOSES

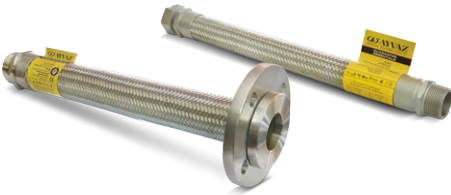
### INDUSTRIAL HOSES ► BRAIDED AND NON-BRAIDED HOSES WITHOUT FITTINGS



Hose Type  
Hose Material  
  
Braiding Material  
Nominal Diameter  
Norm

Standard and open pitch corrugated metal hose  
Stainless Steel AISI 316L  
AISI 304 or AISI 321 also available upon request  
Stainless Steel AISI 304  
DN6 - DN300  
EN ISO 10380

### INDUSTRIAL HOSES ► BRAIDED AND NON-BRAIDED HOSES WITH FITTINGS

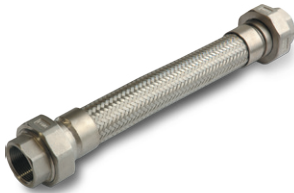


Hose Type  
Hose Material  
Braiding Material  
Connection Types  
Fittings Materials

Standard corrugated metal hose  
Stainless Steel AISI 316L - AISI 321  
Stainless Steel AISI 304  
Flange, Welded ends, Threaded  
Carbon Steel St. 37.2 / Stainless Steel (Optional)

\* Please contact our sales team for hose lengths and connections

### INDUSTRIAL HOSES ► BRAIDED HOSES WITH THREADED FITTINGS



Hose Type  
Hose Material  
Braiding Material  
Fittings Material  
  
Connection Types

Standard corrugated metal hose  
Stainless Steel AISI 316L  
Stainless Steel AISI 304  
Threaded Connections in Malleable Iron  
Flanges in Carbon Steel St. 37.2 (Stainless steel optional)  
Internal Threaded (Female) Connection  
External Threaded (Male) Nipple Connection  
Fixed and Floating Flanged

### GAS HOSES ► SERVICE-FLEX, UNDERSOIL MAIN GAS CONNECTION HOSE



Hose Type  
Hose Material  
Fittings Type  
Fittings Material  
Cover

Standard corrugated metal hose  
Stainless Steel AISI 316L  
Outer threaded pipe end  
Carbon Steel St 37.2 EN ISO 10226  
Special Polyethylene band

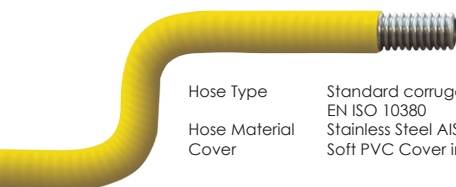
### GAS HOSES ► EN 14800 (NATURAL GAS AND LPG)



Hose Type  
Hose Material  
Braiding Material  
Cover  
  
Internals  
Norm

Standard corrugated metal hose EN ISO 10380  
Stainless Steel AISI 316L  
Stainless Steel AISI 304  
Transparent PVC for the protection from household and other aggressive influences.  
Stainless Steel AISI 304  
EN 14800:2007

### GAS HOSES ► INDOOR-FLEX, DOMESTIC MAIN GAS CONNECTION HOSE EN 15266



Hose Type  
Hose Material  
Cover

Standard corrugated metal hose  
EN ISO 10380  
Stainless Steel AISI 316L  
Soft PVC Cover in Yellow

#### SYSTEM ELEMENTS

Nut  
Nipple  
Clamping Washers  
Tee  
Crushing Tool  
Pipe Clips  
Gasket  
Cutting Tool  
Heat Shrink Tube

Nickel coated Brass 1/2"/3/4"/1"  
Nickel coated Brass 1/2"/3/4"/1"  
Stainless Steel AISI 304 1/2"/3/4"/1"  
Nickel coated Brass 1/2"-1/2"-1/2", 3/4"-1/2"-1/2"  
Ni Coated Carbon Steel 1/2"/3/4"/1"  
DN12/16/20  
Nitrile 1/2"/3/4"/1"  
1/2"/3/4"/1"



## GAS HOSES ► EKO MIG-GAS - SEMI EXTENSIBLE



Hose Type  
Hose Material  
Fittings Types  
Fittings Material

Cover  
Gasket  
Other

Semi Closed pitch corrugated extensible metal hose EN ISO 10380  
Stainless Steel AISI 316L  
Female-Male/Female-Female  
Nut in Nickel Coated Brass EN ISO 228/1  
Nipple in Stainless Steel EN ISO 7/1  
Polyolefin Cover in yellow or coverless  
NBR / Aluminium  
With heat treatment

## GAS HOSES ► EKO-FLEX, FLEXIBLE METAL HOSE FOR COOKERS AND OVENS



Hose Type  
Hose Material  
Fittings Types  
Fittings Materials

Cover

Standard corrugated metal hose EN ISO 10380  
Stainless Steel AISI 316L  
Female-Male, Female-Female  
Nipple in Ni Coated Carbon Steel St. 37.2 EN ISO 7/1  
Nut in Ni Coated Carbon Steel St. 37.2 EN ISO 228/1  
Polyolefin Cover in Yellow or Coverless

## GAS HOSES ► BURN-FLEX, FLEXIBLE METAL HOSE FOR GAS BURNERS



Hose Type  
Hose Material  
Fittings Types  
Fittings Material  
Cover

Semi Closed pitch corrugated metal hose EN ISO 10380  
Stainless Steel AISI 316L  
External threaded pipe EN ISO 7/1  
CrNi Coated Carbon Steel St. 37.2/Stainless Steel  
Polyolefin Cover in Yellow or Coverless

## GAS HOSES ► MIG-GAS - FULLY EXTENSIBLE (UNI 11353)



Hose Type  
Hose Material  
Fittings Types  
Fittings Material

Cover  
Gasket  
Other  
Norm

Closed pitch corrugated extensible metal hose EN ISO 10380  
Stainless Steel AISI 316L  
Female-Male/Female-Female  
Nut in Stainless Steel AISI 304/303 EN ISO 228/1 (Brass Ms58 Opt.)  
Nipple in Stainless Steel AISI 304/303 EN ISO 7/1  
Polyolefin Cover in Yellow or coverless  
NBR / Aluminium  
With heat treatment  
UNI 11353

## GAS HOSES ► COUNTER-FLEX, FLEXIBLE METAL HOSE FOR GAS COUNTERS



Hose Type  
Hose Material  
Fittings Types  
Fittings Materials

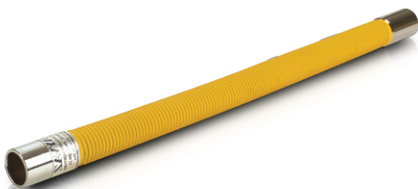
Cover

### PRS 6/E

Standard corrugated metal hose  
Stainless Steel AISI 316L / AISI 321  
Female-Male, Male-Male  
Male in threaded Carbon Steel  
St. 37.2 pipe EN 10226  
Nut in brass (BS 746)  
Coverless

Standard/closed pitch corrugated extensible metal hose  
Stainless Steel AISI 316L  
Female-Male/Female-Female  
Male (EN ISO 7/1) and int. parts in  
CrNi coated Carbon Steel St. 37.2  
Nut in brass / Carbon Steel St. 37.2 EN ISO 228/1  
Polyolefin Cover in Yellow or Coverless

## GAS HOSES ► DILATATION HOSE, FLEXIBLE METAL HOSE FOR DILATATION POINTS



Hose Type  
Hose Material  
Fittings Types  
Fittings Material  
Cover

Standard corrugated metal hose EN ISO 10380  
Stainless Steel AISI 316L  
Welded Ends  
NiCr Coated Carbon Steel St. 37.2  
Polyolefin Cover in Yellow or Coverless

# FLEXIBLE METAL HOSES



## GAS HOSES ► COOKER-FLEX (NATURAL GAS) BS669/1



Hose Type  
Cover  
Fittings Materials  
Norm  
Connection

Galvanised steel Strip-wound hose with interlock profile  
Rubber cover in black  
Brass MS58  
BS669/1  
Threaded (1/2"x3/8"), Bayonette (1/2"x1/2")

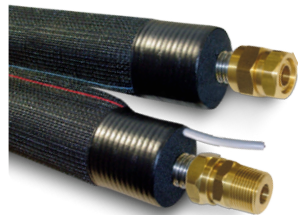
## HVAC HOSES ► FLEXIBLE METAL HOSE FOR FAN-COIL CONNECTIONS



Hose Type  
Hose Material  
Braiding Material  
Fittings Materials  
Fittings Type  
Insulation Material

Standard corrugated metal hose EN ISO 10380  
Stainless Steel AISI 316L  
Stainless Steel AISI 304 (Braiding is optional)  
Carbon Steel St. 37.2/Stainless Steel  
Female-Male  
Rubber based special insulation (9-13 mm)  
Cryogel X201 (Aspen Aerogels) (5-10 mm)

## SOLAR HOSES ► EZ-FLEX, INSULATED SOLAR HOSES (2in1 and 1in1)



Hose Type  
Hose Material  
Braiding Material  
Sensor Cable  
Insulation Material  
Insulation Thickness

Standard or open pitch corrugated metal hose EN ISO 10380  
Stainless Steel AISI 316L  
Separable Polyamide braiding or non braided  
Silicone Cable  
EPDM, rubber based insulation  
9mm/13mm/19mm

## SOLAR HOSES ► EF-FLEX, INSULATED SOLAR HOSES (2in1 and 1in1)



Hose Type  
Hose Material  
Foil Material  
Sensor Cable  
Insulation Material  
Insulation Thickness

Standard or open pitch corrugated metal hose EN ISO 10380  
Stainless Steel AISI 316L  
Separable Polyamide  
Silicone Cable  
EPDM, rubber based insulation  
9mm/13mm/19mm

## SOLAR HOSES ► NANO-FLEX, INSULATED SOLAR HOSES (2in1 and 1in1)



Hose Type  
Hose Material  
Cover  
Cover Color  
Sensor Cable  
Insulation Material  
Insulation Thickness

Standard or open pitch corrugated metal hose EN ISO 10380  
Stainless Steel AISI 316L  
Separable UV resistant cover  
Black, white, red, grey  
Silicone Cable  
Pyrogel XT aerogel insulation  
5mm

## SOLAR HOSES ► PAN-FLEX, FLEXIBLE SOLAR PANEL CONNECTORS



Hose Type  
Hose Material  
Fittings Material  
Fittings Types

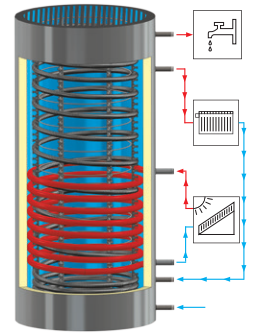
Closed pitch corrugated highly flexible metal hose EN ISO 10380  
Stainless Steel AISI 316L  
MS 58 Brass  
Female-Female, Male-Male, Welded Ends,  
Push Connector, Press Type

## SOLAR HOSES ► BOILER-FLEX, SOLAR BOILER SERPATINE HOSES



Hose Type Standard corrugated metal hose  
 Open pitch corrugated metal hose EN ISO 10380  
 Hose Material Stainless Steel AISI 316L  
 Fittings Material Stainless Steel AISI 316  
 Fittings Types Internal and external threaded pipe

**Customized fittings types and materials are available on request.**

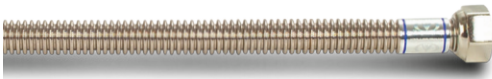


## HVAC HOSES ► VIBRATION ABSORBER



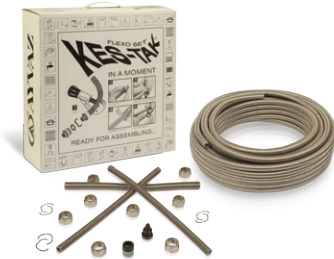
Hose Type Standard corrugated metal hose EN ISO 10380  
 Hose Material Stainless Steel AISI 316L  
 Braiding Material Stainless Steel AISI 304  
 Connection Material Copper  
 Fittings Types Welded End

## HVAC HOSES ► SU-FLEX, WATER CONNECTION HOSE



Hose Type Standard corrugated metal hose EN ISO 10380  
 Hose Material Stainless Steel AISI 316L / AISI 304  
 Fittings Types Nut-Nut (Male adapters are available)  
 Fittings Materials Nut in Brass EN ISO 228/1  
 Cover Non-covered  
 Gasket Klingerit

## HVAC HOSES ► KES-TAK, SELF ASSEMBLY KIT FOR WATER CONNECTION



Hose Type Standard corrugated metal hose EN ISO 10380  
 Hose Material Stainless Steel AISI 316L  
 Fittings Types Self assembly male adapters and nuts available  
 Fittings Materials Ni Coated Brass Nuts and male adapters  
 Clamping washer in Stainless Steel AISI 304  
 Gasket Asbestos free Klingerit  
 Operating Temp Max.150°C

### KES-TAK BOX COMPONENTS

Nut	10 pcs
Clamping Washer	10 pcs
Gasket	10 pcs
Crushing Screw	1 pcs
Flexible Metal Hose	

## HVAC HOSES ► KES-TAK, MONTAGE BAG



### KES-TAK FITTINGS SIZES (IN THE BAG)

1/2" - 3/4"  
 1/2" - 1"  
 3/4" - 1"

### KES-TAK BAG COMPONENTS

Kes-tak Piston  
 Kestak Piston heads in two Different Sizes  
 Cutting Device  
 Fittings set in two different sizes



1. Measuring and cutting the hose  
 2. Slide the nut over the hose  
 3. Press the piston  
 4. Fit the clamping washer  
 5. Insert the gasket

## HVAC HOSES ► AQUAFLEX - FULLY EXTENSIBLE (MIG SU)



Hose Type Closed pitch corrugated extensible metal hose EN ISO 10380  
 Hose Material Stainless Steel AISI 316L  
 Fittings Types Female-Female, Female-Male  
 Fittings Materials Nipple in stainless steel EN ISO 7/1  
 Nut in Brass Ms58, EN ISO 228/1  
 Internal parts in stainless steel  
 Polyolefin Cover in White or Coverless UNI 7129



# FLEXIBLE METAL HOSES

## HVAC HOSES ► COMBI CONNECTION SET



Hose Type	Closed pitch corrugated extensible metal hose
Hose Material	Stainless Steel AISI 316L
Fittings Types	Female-Male
Fittings Materials	Male and internal parts are stainless steel Nut in Stainless Steel / Brass
Cover	Mig-Gas hose with Polyolefin Cover in Yellow Mig-Su hoses are coverless
Gasket	Klingerit / Aluminium

## HVAC HOSES ► MIX-FLEX, FLEXIBLE METAL HOSE FOR MIXER TAPS



Hose Type	Standard corrugated metal hose EN ISO 10380
Hose Material	Stainless Steel AISI 316L
Fittings Type	Male-Female
Fittings Materials	Nipple in Stainless Steel M10x1 Nut in Ni Coated Brass EN ISO 228/1 Inner Parts in Stainless Steel Kes-tak Female Connection
Cover	Normally coverless, polyolefin cover in customized colours is optional
Gasket	Klingerit or NBR

## FIRE PROTECTION HOSES ► SPRINKLER CONNECTION HOSES



<b>FM, VdS Approved, UL Type</b>	
Hose Type	Standard corrugated metal hose
Hose Material	Stainless Steel AISI 316L
Braiding Material	Stainless Steel AISI 304
Fittings Types	Male-Internal threaded pipe
Fittings Materials	Carbon Steel St. 37.2/Stainless Steel
Min. Bending Radius	200mm

## PROTECTION HOSES ► EX-PROOF CABLE PROTECTION SLEEVE



*The risk of electrical spark or arc that may occurred the electric cables characterized in that flexible hoses are protected by exproof.*

Material	Stainless Steel AISI 316L	<b>Nominal Diameters</b>	
Braiding Material	Stainless Steel AISI 304	DN 8 (1/4")	DN 32 (1 1/4")
Fittings	Carbon Steel – Stainless Steel	DN 10 (3/8")	DN 40 (1 1/2")
Certificate	IEP 13 ATEX 0184U	DN12 (1/2")	DN 50 (2")
Application	II 2 G Ex-e II C/Gb;I M2 II 2 G Ex-ib II C/Db;	DN 16 (3/4")	DN 65(2 1/2")
Area	Zone 1 & 2; 21 & 22	DN 20 (5/8")	DN 80 (3")
Protection Class	IP66/67	DN25 (1")	DN 100(4")
Temperature	Ta (-20;+80) °C		



### HEAD OFFICE - FACTORY

Atatürk Sanayi Bölgesi Hadımköy Mahallesi Mustafa İnan Caddesi No: 44 Arnavutköy - İSTANBUL  
Tel: +90 212 771 01 45 (pbx) | Fax: +90 212 771 25 60

<b>Caserta/Italy</b> Tel: +39 0823 187 3988 rmolaro@ayvaz.com	<b>Moscow/Russia</b> Tel: +74959951728 ayvazrus@ayvaz.com	<b>Viernheim/Germany</b> Tel: +49 62046014399 germany@ayvaz.com	<b>Kiev/Ukraine</b> Tel: +380 44 390 57 57 info@ayvaz.com.ua	<b>Warsaw/Poland</b> Tel: +48-32-783-295-1 tricorn@tricorn.eu
---------------------------------------------------------------------	-----------------------------------------------------------------	-----------------------------------------------------------------------	--------------------------------------------------------------------	---------------------------------------------------------------------

<b>Dubai/U.A.E</b> Tel: +971 563550822 +971 501306871 mideast@ayvaz.com	<b>Xiamen/China</b> Tel: +86 592-7018050 shanghai@ayvazchina.com xiamen@ayvazchina.com	<b>Kazakhstan</b> Tel: +7 (701) 066 066 1 +90 (533) 760 34 66 celyas@ayvaz.com	<b>Ispirih/Bulgaria</b> Tel: +359 8431 27 32 office@ayvaz-n.eu
----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------	----------------------------------------------------------------------