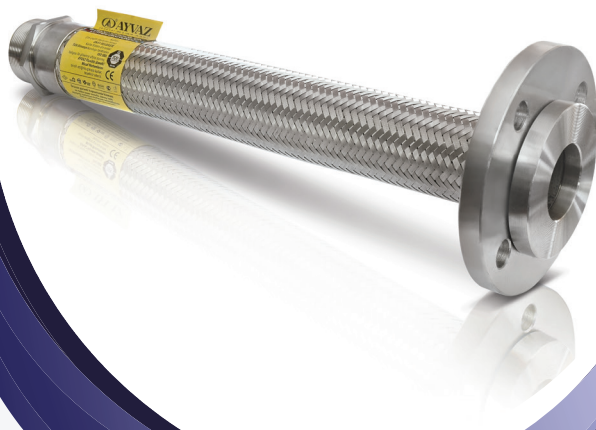
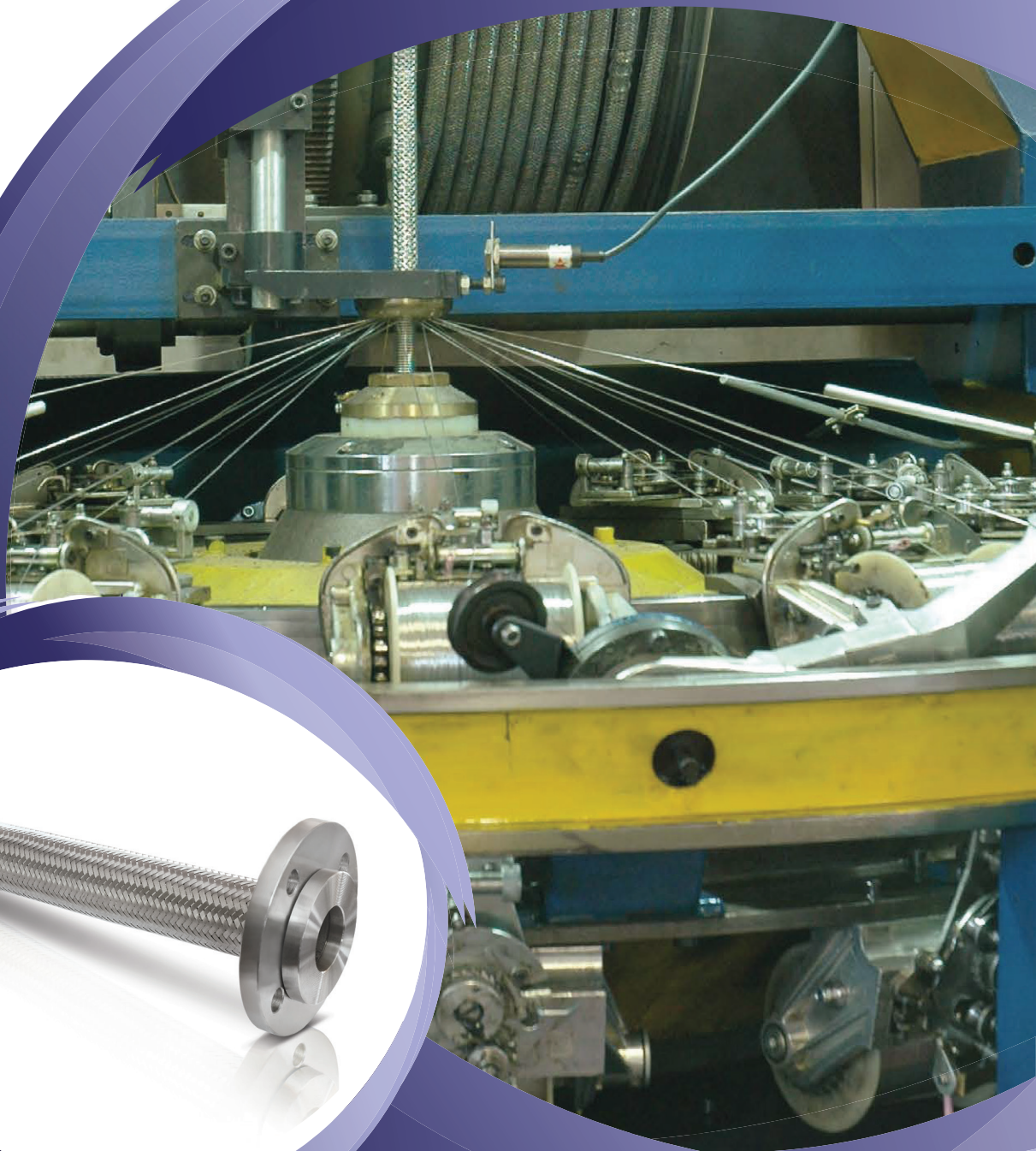




FLEXIBLE  
**METAL**  
HOSE

2



**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

**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  
Outern threaded pipe end  
Carbon Steel St 37.2 EN ISO 10226  
Special Polyethylene band

"Please contact our sales team for hose lenghts and connections"

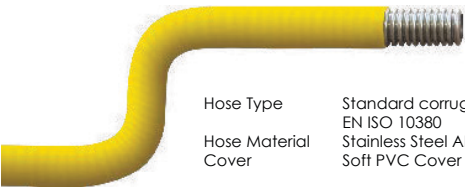
**GAS HOSES ► EN 14800 (NATURAL GAS AND LPG)**



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

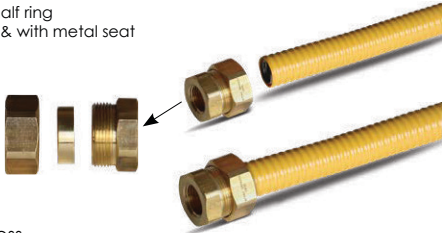
**GAS HOSES ► INDOOR-FLEX, DOMESTIC MAIN GAS CONNECTION HOSE EN 15266**



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

**SYSTEM ELEMENTS**

Connection Type  
- Kes-tak ► with gasket & half ring  
- Push-fit ► without gasket & with metal seat



Ayvaz products are subject to technical alterations and deviations resulting from the manufacturing process.

GAS HOSES

►

EKO MIG-GAS - SEMI EXTENSIBLE



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

GAS HOSES

►

EKO-FLEX, FLEXIBLE METAL HOSE FOR COOKERS AND OVENS



|                    |                                                      |
|--------------------|------------------------------------------------------|
| Hose Type          | Standard corrugated metal hose EN ISO 10380          |
| Hose Material      | Stainless Steel AISI 316L                            |
| Fittings Types     | Female-Male, Female-Female                           |
| Fittings Materials | 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  |
| Cover              | Polyolefin Cover in Yellow or Coverless              |

GAS HOSES

►

BURN-FLEX, FLEXIBLE METAL HOSE FOR GAS BURNERS



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

GAS HOSES

►

MIG-GAS - FULLY EXTENSIBLE (UNI 11353)



|                   |                                                                   |
|-------------------|-------------------------------------------------------------------|
| Hose Type         | Closed pitch corrugated extensible metal hose EN ISO 10380        |
| Hose Material     | Stainless Steel AISI 316L                                         |
| Fittings Types    | Female-Male/Female-Female                                         |
| Fittings Material | Nut in Stainless SteelAISI 304/303 EN ISO 228/1 (Brass Ms58 Opt.) |
|                   | Nipple in Stainless Steel AISI 304/303 EN ISO 7/1                 |
| Cover             | Polyolefin Cover in Yellow or coverless                           |
| Gasket            | NBR / Aluminium                                                   |
| Other             | With heat treatment                                               |



GAS HOSES

►

COUNTER-FLEX, FLEXIBLE METAL HOSE FOR GAS COUNTERS



|                    |                                                      |                                                                       |
|--------------------|------------------------------------------------------|-----------------------------------------------------------------------|
| Hose Type          | Standard corrugated metal hose                       | Standard/closed pitch corrugated extensible metal hose                |
| Hose Material      | Stainless Steel AISI 316L / AISI 321                 | Stainless Steel AISI 316L                                             |
| Fittings Types     | Female-Male, Male-Male                               | Female-Male/Female-Female                                             |
| Fittings Materials | Male in threaded Carbon Steel St. 37.2 pipe EN 10226 | Male (EN ISO 7/1) and int. parts in CrNi coated Carbon Steel St. 37.2 |
|                    | Nut in brass (BS 746)                                | Nut in brass / Carbon Steel St. 37.2 EN ISO 228/1                     |
| Cover              | Coverless                                            | Polyolefin Cover in Yellow or Coverless                               |



GAS HOSES

►

COOKER-FLEX (NATURAL GAS) BS669/1



|                    |                                                          |
|--------------------|----------------------------------------------------------|
| Conveying Hose     | Galvanised steel Strip-wound hose with interlock profile |
| Cover              | Rubber cover in black                                    |
| Fittings Materials | Brass MS58                                               |
| Norm               | BS669/1                                                  |
| Connection         | Threaded (1/2"x3/8"), Bayonette (1/2"x1/2")              |

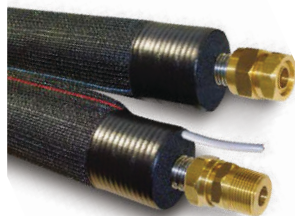


**HVAC HOSES► FLEXIBLE METAL HOSE FOR FAN-COIL CONNECTIONS**



|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Hose Type           | Standard corrugated metal hose EN ISO 10380                                          |
| Hose Material       | Stainless Steel AISI 316L                                                            |
| Braiding Material   | Stainless Steel AISI 304 (Braiding is optional)                                      |
| Fittings Materials  | Carbon Steel St. 37.2/Stainless Steel                                                |
| Fittings Type       | Female-Male                                                                          |
| Insulation Material | Rubber based special insulation (9-13 mm)<br>Cryogel X201 (Aspen Aerogels) (5-10 mm) |

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



|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| Hose Type            | Standard or open pitch corrugated metal hose EN ISO 10380 |
| Hose Material        | Stainless Steel AISI 316L                                 |
| Braiding Material    | Separable Polyamide braiding or non braided               |
| Sensor Cable         | Silicone Cable                                            |
| Insulation Material  | EPDM, rubber based insulation                             |
| Insulation Thickness | 9mm/13mm/19mm                                             |

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



|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| Hose Type            | Standard or open pitch corrugated metal hose EN ISO 10380 |
| Hose Material        | Stainless Steel AISI 316L                                 |
| Foil Material        | Separable Polyamide                                       |
| Sensor Cable         | Silicone Cable                                            |
| Insulation Material  | EPDM, rubber based insulation                             |
| Insulation Thickness | 9mm/13mm/19mm                                             |

**SOLAR HOSES► EV-FLEX, INSULATED SOLAR HOSES (2in1 and 1in1)**



|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| Hose Type            | Standard or open pitch corrugated metal hose EN ISO 10380 |
| Hose Material        | Stainless Steel AISI 316L                                 |
| Foil Material        | Separable Polyamide                                       |
| Sensor Cable         | Silicone Cable                                            |
| Insulation Material  | Polyester                                                 |
| Insulation Thickness | 9mm/13mm/19mm                                             |

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



|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| Hose Type            | Standard or open pitch corrugated metal hose EN ISO 10380 |
| Hose Material        | Stainless Steel AISI 316L                                 |
| Cover                | Separable UV resistant cover                              |
| Cover Color          | Black, white, red, grey                                   |
| Sensor Cable         | Silicone Cable                                            |
| Insulation Material  | Pyrogel XT aerogel insulation                             |
| Insulation Thickness | 5mm                                                       |

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



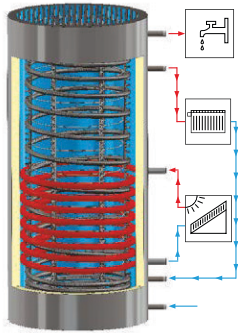
|                   |                                                                      |
|-------------------|----------------------------------------------------------------------|
| Hose Type         | Closed pitch corrugated highly flexible metal hose EN ISO 10380      |
| Hose Material     | Stainless Steel AISI 316L                                            |
| Fittings Material | MS 58 Brass                                                          |
| Fittings Types    | Female-Female, Male-Male, Welded Ends,<br>Push Connector, Press Type |

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



|                   |                                                                                 |
|-------------------|---------------------------------------------------------------------------------|
| Hose Type         | Standard corrugated metal hose<br>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 ► VIB-FLEX**



|                     |                                             |
|---------------------|---------------------------------------------|
| 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<br>EN ISO 10380    |
| Hose Material      | Stainless Steel AISI 316L                         |
| Fittings Types     | Self assembly male adapters<br>and nuts available |
| Fittings Materials | Ni Coated Brass Nuts and male<br>adapters         |
|                    | Clamping washer in Stainless Steel<br>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) | KES-TAK BAG COMPONENTS                        |
|-------------------------------------|-----------------------------------------------|
| 1/2" - 3/4"                         | Kes-tak Piston                                |
| 1/2" - 1"                           | Kestak Piston heads in two<br>Different Sizes |
| 3/4" - 1"                           | Cutting Device                                |
|                                     | Fittings set in two different sizes           |



**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<br>Nut in Brass Ms58, EN ISO 228/1 |
|                    | Internal parts in stainless steel                                       |
| Cover              | Polyolefin Cover in White or Coverless                                  |
| Norm               | UNI 7129                                                                |



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<br>Nut in Stainless Steel / Brass |
| Cover              | Mig-Gas hose with Polyolefin Cover in Yellow<br>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<br>Nut in Ni Coated Brass EN ISO 228/1<br>Inner Parts in Stainless Steel |
| Cover              | Kes-tak Female Connection<br>Normally coverless, polyolefin cover in customized colours is optional      |
| Gasket             | Klingerit or NBR                                                                                         |

FIRE PROTECTION HOSES► SPRINKLER CONNECTION HOSES



FM, VdS Approved, UL Type

|                  |                               |
|------------------|-------------------------------|
| Assembly Bar     | Galvanized coated St 37.2     |
| Fixing Bolt      | Carbon Steel 8.8              |
| Kit Fixing Part  | Galvanized coated St 37.2     |
| Sprinkler Hose   | Stainless Steel               |
| Hose Fixing Part | Galvanized coated St 37.2     |
| Hose Connection  |                               |
| Equipment        | Carbon Steel or Staines Steel |

PROTECTION HOSES► EX-PROOF CABLE PROTECTION SLEEVE



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

|                   |                                                                         |
|-------------------|-------------------------------------------------------------------------|
| Material          | Stainless Steel AISI 316L                                               |
| Braiding Material | Stainless Steel AISI 304                                                |
| Fittings          | Carbon Steel – Stainless Steel                                          |
| Certificate       | IEP 13 ATEX 0184U                                                       |
| Application       | II 2 G Ex-e II C/Gb;I M2<br>II 2 G Ex-Ib II C/Db;<br>Zone 1 &2; 21 & 22 |
| Area              | IP66/67                                                                 |
| Protection Class  | Ta (-20;+80) °C                                                         |
| Temperature       |                                                                         |

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