

DESCRIPTION

"ARIES" type 1 (without additional components limiting their bending radii) safety metal hose assemblies conform to EN 14800 for use with domestic gas appliances. Supplied with plane gaskets for gas conform to EN 549.

APPLICATION FIELDS

Connection of fixed domestic gas ⁽¹⁾ appliances, inside or outside the dwelling, as cooking hobs, boilers and gas water heaters (in conformity with all the municipal, regional and national regulations) with a maximum operative pressure MOP = 0,5 bar, also for installations in areas subject to reaction to fire regulations (reaction to fire Euro-class: C-s1,d0).

PRESSURE DROPS

- Flow rate with a pressure drop of 0,5 mbar: 1,2 m³/h.
- Flow rate with a pressure drop of 1 mbar: 1,6 m³/h.

MATERIALS

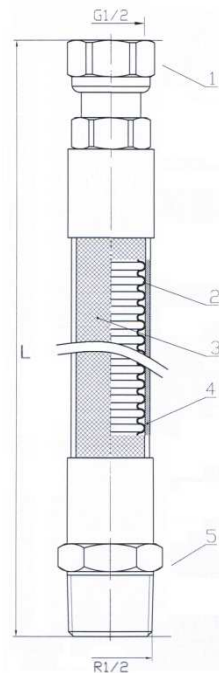
- Corrugated tube: austenitic stainless steel type 1.4301 - X5CrNi18-10 (AISI 304) conform to EN 10028-7.
- Fittings of the nuts: austenitic stainless steel type 1.4301 - X5CrNi18-10 (AISI 304) conform to EN 10028-7.
- Swivel nuts: type CW614N or CW617N brass conform to EN 12164 / EN 12165 with nickel plating.
- Taper male fittings: austenitic stainless steel type 1.4301 - X5CrNi18-10 (AISI 304) conform to EN 10028-7.
- Metal braid: austenitic stainless steel type 1.4301 - X5CrNi18-10 (AISI 304) conform to EN 10028-7.
- Cover: PVC-P.
- Plane gaskets: NBR rubber.

THREADS

- Swivel nuts: G 1/2 parallel internal female conform to EN ISO 228.
- Male fittings: R 1/2 taper external male conform to EN 10226 (ISO 7).

CERTIFICAZIONI

- The quality management system of PSP S.r.l. is certified as conform to EN ISO 9001 : 2015 (Bureau Veritas certificate nr. IT308879).
- The "ARIES" by PSP flexible hoses are CE certified as conform to EN 14800 : 2007 (Reg. UE nr. 305/2011 "CPR" - VVCP1 and VVCP3 systems).



- L: nominal length (500 mm, 750 mm, 1000 mm, 1250 mm, 1500 mm and 2000 mm)
- 1: swivel nut
- 2: corrugated tube
- 3: metal braid
- 4: cover
- 5: taper male fitting (fix or swivel)

SEALING MODES

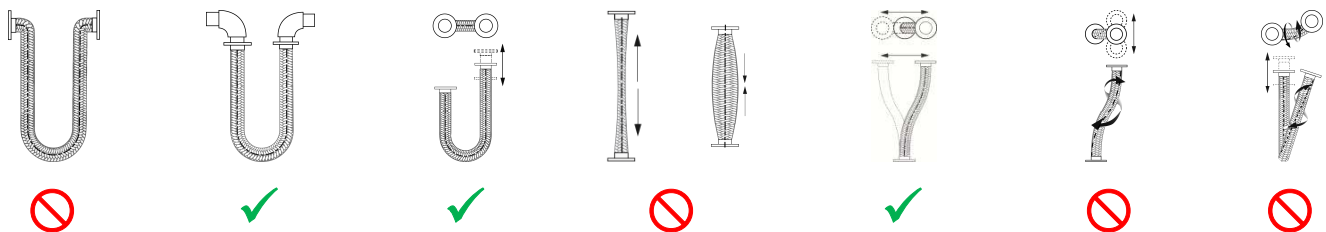
- End with swivel nut: the tightness of the junction is obtained through the compression of the plane gasket between the plane seat of the fitting and the plane surface of the end fitting of the appliance (make sure that this is of suitable size to avoid the damage of the gasket).
- End with taper threaded male (fix or swivel): use suitable sealing materials for threaded metal joints according to EN 751 (do not use hydraulic hemp):
 - anaerobic jointing compounds in the form of liquid, gel or paste;
 - non-hardening jointing compounds in the form of liquid, gel or paste or synthetic fiber fabric tape impregnated with sealing compound;
 - unsintered PTFE tapes.

INSTRUCTIONS AND WARNINGS



The flexible extensible hoses for gas shall be installed in accordance with existing regulations and the instruction of the gas appliance.

- Do not install the hose if damaged.
- Alterations to any part of the hose shall mean that it is no longer in conformity with EN 14800.
- Do not twist or over-bend the hose (minimum bending radius: 50 mm).
- Do not place the hose in areas warmer than 60°C.
- Do not connect two or more hoses together in order to increase the overall length.



- Do not install the hose into walls, floors or ceilings.
- Do not install the hose upstream of the pressure reduction valve.
- Ensure that the hose allows an adequate flow rate for its intended use.
- Following the installation, verify the tightness of the connections (for the hoses for gas use for example soapy water or other equivalent method: **do not use a flame**).
- Check the integrity of the gaskets both before installation and then periodically and replace the deteriorated ones with new ones in rubber conform to EN 549 suitable for gas.
- The hose shall be replaced in case of any deterioration or destruction of any part of them.

1) Combustible gases of the II (natural gas - methane) and III (GPL) family.