Technical Data Sheet

LPG Gas Cooker Hoses

The LPG gas cooker hose is manufactured and approved to the European standard EN 14800. This is constructed using a convoluted stainless steel tube protected with a stainless steel braid and PVC outer cover. It uses the same designs of bayonet fitting as the BS 669 part 1 hoses and can therefore be used with the same sockets.
BS6172 installation standard allows the use of this hose construction as it is suitable for LPG installations but please note there is a temperature limitation of 60°C in use.

Firesafe – Patented End Fittings

All Tesla LPG cooker hoses incorporate our "Firesafe" feature, which means that one of the components of the bayonet end fitting is designed to soften and deform in the event of a kitchen fire allowing the valve in the socket to close and prevent further release of gas to fuel the fire.

Patent No's – GB2393770, GB2425338, GB2429929, GB2425339

1/2" Straight Bayonet LPG Cooker Hose to EN14800 : 2007

1/2" nominal size hose designed to be fitted to the 1/2" Angle Bayonet Socket (B553).

Tested and approved by BSI to EN 14800:2007 under BSI Kitemark KM64091

Length		Part No.
1000mm		THUS1000
1250mm		THUS1250

1/2" Micropoint LPG Cooker Hose to EN14800 : 2007

1/2" nominal size hose designed to be fitted to the 1/2" Micropoint Socket (B614).

Tested and approved by BSI to EN 14800:2007 under BSI Kitemark KM641091

Length		Part No.
1000mm		THUM1000
1250mm		THUM1250

MANUFACTURED IN THE UK
COOKERFLEX
THE PROFESSIONAL DOMESTIC GAS HOSE

Installation Instructions

Tesla / Bowbros EN14800 Hoses THUS, THUM, THUL

Corrugated stainless steel hose assembly for the connection of domestic gas appliances

- Applicable standard: BS EN 14800:2007
- Construction type 1
- Suitable for 1st, 2nd & 3rd family gases.
- Minimum bend radius during installation: 125mm
- Minimum bend radius during usage: 125mm
- Pressure rating: Gas up to 0.5 bar

Installation Instructions

Important

All domestic gas cooking appliances should be installed by a competent person in accordance with BS 6172 Installation Standard. It is recommended to fit a hose with suitable bayonet quick release fitting.

The Bayonet and Micropoint flexible cooker hoses form one half of a cooker connector assembly with a cooker socket, to EN15069, having a mating outlet port. The threaded cooker hose, where permitted, is to be used with a suitable gas connection valve.

Instructions

The gas supply socket or valve should be installed at a height of approximately 750 mm unless otherwise specified by the cooker manufacturer. It should be positioned such that the flexible connector hose hangs freely downwards.

Apply a suitable sealing material to the external threads of the hose. This can be PTFE tape or a sealing compound that conforms to EN751 Part 1, Part 2 or Part 3. Screw the hose into the inlet port of the cooker and tighten using a 24 mm A/F spanner on the flats provided.

Insert the bayonet fitting of the hose into the socket, by hand, engaging the pins of the plug ring and or the socket. Push the fitting against the spring until it is fully inserted and twist the plug ring clockwise, by hand, until it stops (approximately 45°) so that the plug ring is firmly located.

The system should be tested for leak-tightness following connection of the hose.

Warnings:

Any deterioration or damage to any part of the assembly shall result in the need to replace the assembly; alterations to any part of the assembly shall mean that the assembly is no longer in conformity with this European Standard.

DO NOT:

- Place in areas warmer than 60°C
- Twist or over bend
- Install this assembly if any doubt exists regarding the compatibility of its fittings and those on the appliance or the gas supply
- Use adaptors in order to achieve compatibility of fittings
- Install this hose assembly into a wall, floor or ceilings
- Install this assembly upstream of the pressure reduction valve

DO:

- Ensure that this assembly allows an adequate flow rate for its intended use
- Install in accordance with existing local and National Regulations as well as best custom and practice
- Follow both the installation instructions of the hose assembly manufacturer and those of the appliance manufacturer, including those for the position and orientation of the connection point

DECLARATION OF PERFORMANCE

No T1104

In Compliance with EU Regulation **(EU): No 305/2011 of 9 March 2011, Construction Product Regulation (CPR):**

Tesla / Bowbros Gas Hoses branded 'Tesla' or 'Cookerflex' TM. Code Numbers : THUS, THUM, THUL

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification: **EN14800:2007 – "Corrugated safety metal hose assemblies for the connection of domestic appliances using gaseous fuels"**

System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex ZA.1 and covered by a harmonised standard: **EN14800:2007-** With Attestation Conformity System 3 – Initial Type Testing by Notified Body Identification No. 0086

Declared performances:

Essential Characteristics	Performance	Harmonised Technical Specification
Reaction to Fire	Pass	EN14800:2007
Dangerous Substances	NPD	
Crushing Strength	Pass	
Internal pressure strength	6 Bar	
Longitudinal bending strength	Pass	
Maximum load for admissible deformation	1,000 N	
Dimensional tolerances	Comply	
Impact resistance	Pass	
Penetration resistance	Pass	
Electrostatic behaviour	0.8 Ώ/m	
Tightness	Below 10cm³ /h	
Effectiveness	1.8 cu m/h Flow rate	
Mechanical strength	6 Bar	
Permeability	Below 10 cm³/h	
Tightness (in case of fire)	650 C for 30mins	
Durability	Pass	

Year in which CE marking was applied for the first time: 2012

The performance of the product identified is in conformity with the declared performances.

This declaration of performance is issued under the sole responsibility of supplier.

Signed for and on behalf of the company by:-

Vince Jones – Commercial Director

CE

0086

Tesla (UK) Ltd. Unit 3b, First Avenue,
Minworth, Sutton Coldfield, B76 1BA

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EN 14800:2007

Corrugated safety metal hose assemblies for the connection of domestic appliances using gaseous fuels. Suitable for use in areas subjected to reaction to fire regulations.

Reaction to fire ..... Pass

Dangerous substances..... NPD

Other characteristics indicated

Crushing Strength ..... Pass
Internal pressure strength ..... Pass
Longitudinal bending strength..... Pass
Maximum load for admissible deformation 1,000N
Dimensional tolerances ..... Comply
Impact resistance..... Pass
Penetration resistance..... Pass
Electrostatic behaviour ..... 0.8 Ω/m
Tightness ..... Below 10cm³/h
Effectiveness ..... 1.8 cu m/h Flow rate
Mechanical strength ..... 6 bar
Permeability ..... Below 10 cm³/h
Tightness (in case of fire ..... 650 C for 30mins
Durability ..... Pass