



# NF Mark Gas connecting fittings

## How to recognize them?

Any NF Gaz certified fitting and its package is marked with the NF logo followed by Gaz word and the type of gas.

Tubes and hose assemblies whose life time is limited are marked « A remplaceur avant ... ».

Markings of LPG fittings are usually orange coloured.

Markings of fittings design for network gases are coloured other than orange (black or blue).

Installation instructions according to NF DTU 61.1 are given in the manual.

## Which one shall be used?

NF Gaz mark applies to all connecting fittings for gas appliances.

Depending on appliance type and installation design, an appliance can be connected to gas supply (valve or regulator) either through a rigid pipe, or a hose assembly, or a tube according to table 1.

## Hose assemblies

A hose assembly is a hose equipped with two mechanical union to be connected at the outlet of the gas valve or of the pressure regulator and to the inlet of the gas appliance. Its length is from 0,5 m up to 2 m.

Hose assemblies designed for network gases are symmetrical with two identical nipples. Hose assemblies designed for LPG (butane or propane) are asymmetrical with two nipples whose shape and colour are different. Nevertheless it is not possible to mislead them because they are identified by different markings and colour codes.

It also exists hose assemblies designed for specific uses as gas connection of heating appliances, professional cooking appliances, heating appliances for animal breeding premises, industrial application.

## Tubes

NF D36-102 tubes for network gases must be fitted on G1/2 NF D 36-111 test ends.

XP D36-110 LPG tubes must be fitted on a G1/2 NF D 36-109 test end at the gas appliance side and on M20x150 (NF M 88-773 type) at the pressure regulator side.

From 1/07/96, use of tubes is restricted by regulations (see table 1). They are sold with a length less than 2 m, under individual package with 2 securing clips and an installation manual. Therefore test ends are forbidden to be separately sold and can be supplied only in conjunction with a gas appliance or a butane regulator. NF securing clips are separately sold for second installation.

## Other gas connecting fittings

NF Gaz mark also applies to other connecting fittings, as:

- XP D 36-126 tubes specifically designed for connecting Bunsen burners.
- Quick couplings according to NF D 36-124 (domestic and commercial use) and NF D 36-128 (industrial uses).
- Sealing materials.

Table 1 : Connection of domestic gas appliances (according to NF P 45-204)

Type of gas	Type of gas connection	Life time	Heating, hot water production appliances, fireplaces	Mobile heaters (P<4,25 kW)	Cooking appliances		
					Built in	Free standing	
						Existing installation	New installation <sup>2</sup>
Gas from network	Rigid connection	-	yes	no	yes	yes <sup>3</sup>	yes <sup>3</sup>
	NF D 36121 metallic hose assemblies 	No limit time	yes <sup>4</sup>	yes	yes	yes	yes
	NF D 36103 Reinforced rubber hose assemblies 	10 years	no	yes	yes	yes	yes
	NF D 36100 Non reinforced rubber hose assemblies 	5 years	no	yes	yes	yes	yes
	NF D 36102 rubber tubes and clips 	5 years	no	no	no	yes <sup>5</sup>	no
LPG from containers	Rigid connection	-	yes	no	yes	yes <sup>3</sup>	yes <sup>3</sup>
	NF D 36125 metallic hose assemblies 	No limit time	yes <sup>4</sup>	yes	yes	yes	yes
	XP D 36112 Reinforced rubber hose assemblies 	10 years	no	yes	yes	yes	yes
	XP D 36110 rubber tubes and clips 	5 years	no	Butane yes <sup>5</sup> Propane no	Butane yes <sup>5</sup> Propane no	yes <sup>5</sup>	Butane yes <sup>5</sup> Propane no

<sup>1</sup> or modified with change of appliance-end valve

<sup>2</sup> or modified without change of appliance-end valve

<sup>3</sup> fixed to the floor or weighty

<sup>4</sup> or NF D 36 123

<sup>5</sup> it is recommended to use a hose assembly if possible

