



TECHNICAL DATA SHEET

**FRABOPRESS 316 GAS** **M**

STAINLESS STEEL PRESS FITTINGS

# FRABOPRESS 316 GAS M

Stainless steel press fittings



## DESCRIPTION

**FRABOPRESS 316 GAS M** is a stainless steel presfitting system manufactured using high quality AISI 316L austenitic stainless steel (material 1.4404) with high performance **HNBR** gaskets suitable for gas plants.

The fittings are compliant with gas requirements set forth by **UNI 11179** and suitable with gas installations in accordance with **UNI 7129:2015**.

The fitting is provided with the FRABO AISI 316 and the yellow mark for **GAS**.

Suitable for pressing with "M" type jaws.

## APPLICATIONS

The **FRABOPRESS 316 GAS M** system can be used for the following applications and temperatures, as indicated in table A.

TABLE A

APPLICATION		Pmax (bar)	Tmax °C
	Domestic GAS	5	-20°/+70°C
	LPG	5	-20°/+70°C

For uses other than those mentioned thus far, please request the maximum operating conditions from the FRABO technical support office.

## THREADS

**FRABOPRESS 316 GAS M** system threaded fittings are made in compliance with EN10226-1 standard.

## FRABOPRESS 316 GAS M SYSTEM PIPES

**FRABOPRESS 316 GAS M** system pipes are thin-walled welded pipes made in AISI 316L austenitic stainless steel (material 1.4404) marked according the EN 10312 standard and DVGW GW 541 worksheet.

Pipes can be supplied in 6 m long bundled bars with dimensions ranging from 15 to 54.

### PIPES – TECHNICAL FEATURES

Material	Austenitic stainless steel X2CrNiMo17-12-2 AISI 316L (material 1.4404) chemical composition according UNI EN 10088-1 standard
Tolerances	DVGW W 541
Supplied dimensions	6 ± 25 mm meter long bars with end caps
Standard Marking	[Dimensions] EN10312 DVGW GW541 [Traceability code]

### PIPES – LINEAR MASS AND DIMENSIONS

Nominal Diameter	Diameter x Thickness [mm]	Inner Diameter [mm]	Mass [kg / m]	Inner volume [l / m]
DN 12	15 x1,0	13	0,351	0,133
DN 15	18 x1,0	16	0,426	0,201
DN 20	22 x1,2	19,6	0,625	0,302
DN 25	28 x1,2	25,6	0,805	0,515
DN 32	35 x1,5	32	1,258	0,804
DN 40	42 x1,5	39	1,521	1,195
DN 50	54x1,5	51	1,972	2,043

### PRESSING TOOLS

The **FRABOPRESS 316 GAS M** system can be installed with the original system tools or using tools that have been checked and declared compatible by **FRABO**.

For a full list of compatible tools, please see the documentation available on the website: [www.frabo.com](http://www.frabo.com).

### CORROSION

#### INNER CORROSION

**AISI 316L** stainless steel used in **FRABOPRESS 316 GAS M** system for both pipes and fittings shows a high degree of resistance to inner corrosion and will not suffer from corrosion-related problems if correctly installed and in case of normal operating conditions.

## OUTER CORROSION

**AISI 316L** stainless steel used in **FRABOPRESS 316 GAS M** system for both pipes and fittings are naturally protected against corrosion due to its specific chemical composition and physical characteristics.

However in case of prolonged activity, medium to high concentration of corrosive agents can affect the system components (both pipes and fittings) leading in some case to localized corrosion of the outer surface.

Avoiding mutual contacts between fittings or pipes and building materials showing high degrees of chlorides is highly recommended; in such cases protective tapes or coatings are necessary.

**The designer and/or installer is responsible for choosing and applying the corrosion resistant protection and for evaluating the most effective protection methods in relation to the environment where the piping will be located.**



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