



TECHNICAL DATA SHEET

FRABOPRESS 316 BIG-SIZE

STAINLESS STEEL PRESS FITTINGS

FRABOPRESS 316 BIG-SIZE

Stainless steel press fittings



DESCRIPTION

FRABOPRESS 316 BIG-SIZE is a stainless steel pressfitting system manufactured using high quality AISI 316L austenitic stainless steel (material 1.4404).









For the **FRABOPRESS 316 BIG-SIZE** series, the sealing ring is made of black **EPDM**. The high performance and excellent behaviour of this material against ageing, ozone, sunlight, weather, alkaline substances, and a number of chemical compounds allow their safe and durable use in most civil and industrial applications.

Press ends with diameter of 76,1-88,9 and 108 are in M profile and they must be installed with the appropriate equipment. Press ends with smaller diameter can be in M or in V profile. Refer to AX0131 and AMX131 model and to AX0243 and AMX243 model in the price list or in the dimensional catalogue.

APPLICATIONS

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

TABLE A

APPLICATION		Pmax (bar)	Tmax °C
	Sanitary water	10	0°/+110°C
	Drinking water	10	0°/+110°C
	Heating	10	0°/+110°C
	Cooling *	10	-10°/+110°C
	Oil free compressed air (residual oil <5 mg/m ³)	10	30°C
	Fire prevention		
	Industrial installations		
	Sprinkler		

*any additives contained in the cooling media must be compatible with the EPDM O-rings

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

FLANGED COUPLERS

Connections with other systems are made possible by flanged couplers with a pressfitting female end. Flanges are available in PN10 or PN16 version. Mixed threaded couplers are available on request.

FRABOPRESS 316 BIG-SIZE SYSTEM PIPES

FRABOPRESS 316 BIG-SIZE 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 up to 108 mm.

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 60	76,1 x 2,0	72,1	3,771	4,083
DN 80	88,9 x 2,0	84,9	4,352	5,661
DN 100	108 x 2,0	104,0	5,308	8,495

PRESSING TOOLS

The pressing profile chosen by Frabo for **FRABOPRESS 316 BIG-SIZE** is, unlike the lower diameters, “M” shaped. Some of the most widely-spread on the market machines and tools can be safely used for installing the series.

For a full list of compatible tools, please see the documentation available on the website: www.frabo.com.

CORROSION

INNER CORROSION

AISI 316L stainless steel used in **FRABOPRESS 316 Big-Size** 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 BIG-SIZE** 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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