



TECHNICAL DATA SHEET

FRABO SERIE 5000 / 4000

COPPER AND BRONZE ENDFEED FITTINGS

FRABO SERIE 5000 / 4000

Copper and Bronze endfeed fittings



DESCRIPTION

FRABO SERIES 5000/4000 capillary welding fittings are manufactured using **Cu-DHP** copper (material CW024A according EN 1412) and high quality bronze and designed in accordance with reference standard EN 1254-1.

FRABO SERIES 5000/4000 is suitable with use in gas and drinking water installations

APPLICATIONS

FRABO SERIES 5000/4000 is suitable for the following applications: sanitary water and drinking water, heating, cooling and refrigeration, gas (both domestic and LPG), compressed air, combustible oils and solar installations.

Pressure and temperature limits are listed in the table below which is in accordance with the requirements of EN 1254-1 standard:

TABLE A

Welding/ Brazing	Alloy (example list)	Temp. Max [°C]	Max pressures for nominal diameter		
			6mm- 34mm	>34mm- 54mm	>54mm-108mm
Welding	Pb/Sn 50/50% or 60/40%	30	16	16	10
		65	10	10	6
		110	6	6	4
	Sn/Ag 95/5%	30	25	25	16
	Sn/Cu (Cu 3% max) (0,4% min Sn remainder)	65	25	16	16
110		16	10	10	
Brazing	Ag/Cu (without Cd) Ag from 55% to 40%	30	25	25	16
	Ag/Cu (with Cd) Ag 30% or 40%	65	25	16	16
	Cu/P 94/6% Cu/P with 2% of Ag 92/6/2%	110	16	10	10

Pressure values between the listed temperature ranges can be derived by interpolation between given ones (TABLE A).

In cases applications parameter differ from the ones listed in TABLE A please refer to Frabo's technical department for further informations or specific declarations if applicable.

Please note that welding/brazing alloys which contain Pb or Cd are usually not allowed in contact with potable water.

AVAILABLE DIMENSIONS

FRABO SERIES 5000/4000 is available from dimension 6 to 133. The complete item list is available on the pricelist or catalogue.

THREADED CONNECTIONS

Threaded connections are designed according UNI EN 10226-1 ed UNI EN ISO 228-1 standards.

SUITABLE PIPES

FRABO SERIES 5000/4000 can be installed using pipes produced according the **EN 1057** standard. Pipe material can be soft, half-hard or hard.

Particular attention must be paid to the choice of the pipe and the quality of the internal surface for systems that carry drinking water.

For gas installations, sanitary water and heating and other installations please refer to local and national regulations and guidelines.

INSTALLATION

FRABO SERIES 5000/4000 must be installed using welding or brazing according the applicable guidelines.

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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