



TECHNICAL DATA SHEET

SERIE 6000T

COMPRESSION FITTINGS WITH BRASS OLIVE

SERIE 6000T

Compression fittings with brass olive



DESCRIPTION

The brass fittings belonging to **FRABO 6000** series feature a fully metallic body and are designed according to the EN 1254-2.

MATERIALS

The fittings belonging to **FRABO 6000** series are manufactured from cast parts and bar and are produced on highly automatised machinery (transfer or multi-spindle machines).

For raw material composition see table A.

TABLE A

Type	Name of alloy	Chemical composition [%]
Forged piece	UNI EN 12165-CW617N-CuZn40Pb2	Cu[57-59] Pb[1.6-2.2] Sn<0.3 Fe<0.3 Ni<0.3 Al<0.05 Zn Diff.
Bar	UNI EN 12164-CW614N-CuZn39Pb3	Cu[57-59] Pb[2.3-3.5] Sn<0.3 Fe<0.1 Ni<0.3 Al<0.05 Zn Diff.

THREADED PARTS








Threaded ends are made in compliance with EN10226-1 (UNI EN ISO 7-1) standard.

APPLICATIONS

The fittings of the **SERIES 6000** are suitable for many applications both in civil and industrial installations.

See table B for a reference list:

TABLE B

APPLICATIONS		Pmax (bar)	Tmax °C
	Sanitary water	16	0°/+95°C
	Drinking water	16	0°/+95°C
	Heating	16	0°/+95°C
	Cooling	16	0°/+95°C
	Gas distribution	1	70°C
	Compressed air	10	30°C
	Solar collectors	10	0°/+160°C

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

SUITABLE TUBES

The fittings of the **FRABO 6000** series can be installed using EN1057 compliant copper pipes according to the following diameters, thicknesses and physical states:

Minimum dimensions/sizes tube of combination						
External diameter	Wall thickness (mm)					
	0.6	0.7	0.8	0.9	1.0	1.2
8	R220/R250					
10	R250	R220	R220/R250			
12	R250		R220/R250			
14		R250				
15		R250				
16		R250			R220/R250	
18			R250		R220/R250	
22				R250		R220/R250
28				R250		R220/R250

Legend:

R220- Physical state: annealed

R250- Physical state: half hard

R290- Physical state: hard

CORROSION EVENTS

The fittings of the **FRABO SERIES 6000** are manufactured with high quality brass. However, in particular environmental conditions, they can develop corrosion which can affect the performances of installation over time.

In order to avoid any possible problems, we suggest a particular attention to the following conditions:

- Buried installations and/or concealed installation: protect the body of the fitting with bandages / tapes in order to avoid contact between metallic material walls and the ground.
- Domestic installations: avoid contact with ammonia-rich materials or solutions and with any other chemical corrosive agents.
- Insulation: avoid insulation coating containing or releasing ammonia solutions.

Responsibility for the correct choice of corrosion-protection solutions belongs to the designer or to the installer and must be correctly evaluated according the installation requirements and features.

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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