FRABO

TECHNICAL DATA SHEET

SERIE 5000OT CHROME

CHROME THREADED BRASS FITTINGS

SERIE 5000OT CHROME

Chrome threaded brass fittings

DESCRIPTION

The **5000OT CHROME Series** threaded brass fittings were designed and made to offer excellent aesthetic features for visible installations.

The fittings are suitable for the conveyance of fluids under pressure along with unalloyed steel pipes in compliance with EN10255.

MATERIALS

All the fittings are made by machine transfer processes (hot forged fittings) and multi-spindle machines (bar fittings).
The raw material is made up of forged pieces and bars in brass as listed in 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.

The fittings are hard chrome-plated through an advanced galvanic treatment in line with European legislation in force.

THREADS

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

APPLICATIONS

The fittings in the **5000OT CHROME SERIES** can be used whenever excellent aesthetic features are required in visible domestic installations. Table B lists some of the main uses for the product:

TABLE B

APPLICATION		Pmax (bar)	Tmax °C
	Sanitary water	16 (ø ≤ 2″)	-20°/+110°C
		10 (ø > 2″ ≤ 4″)	-20°/+110°C
	Heating	16 (ø ≤ 2″)	-20°/+110°C
		10 (ø > 2″ ≤ 4″)	-20°/+110°C
	Cooling	16 (ø ≤ 2″)	-20°/+110°C
		10 (ø > 2″ ≤ 4″)	-20°/+110°C

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

SUITABLE PIPES

The fittings in the **5000OT CHROME Series** can be used with threadable unalloyed steel pipes according to standard ISO7 in compliance with EN10255.

Light series			
DN	ø ext [mm]	Thick-ness [mm]	Thread
10	17.2	2.0	3/8″
15	21.3	2.3	1/2″
20	26.9	2.3	3/4″
25	33.7	2.9	1″
32	42.4	2.9	1″1/4
40	48.3	2.9	1″1/2
50	60.3	3.2	2″
65	76.1	3.2	2″1/2
80	88.9	3.6	3″

Medium series			
DN	ø ext [mm]	Thick-ness [mm]	Thread
10	17.2	2.3	3/8″
15	21.3	2.6	1/2″
20	26.9	2.6	3/4″
25	33.7	3.2	1″
32	42.4	3.2	1″1/4
40	48.3	3.2	1″1/2
50	60.3	3.6	2″
65	76.1	3.6	2″1/2
80	88.9	4.0	3″

Heavy series			
DN	ø ext [mm]	Thick-ness [mm]	Thread
10	17.2	2.3	3/8″
15	21.3	2.6	1/2″
20	26.9	2.6	3/4″
25	33.7	3.2	1″
32	42.4	3.2	1″1/4
40	48.3	3.2	1″1/2
50	60.3	3.6	2″
65	76.1	3.6	2″1/2
80	88.9	4.0	3″

CORROSION

The **FRABO 5000OT CHROME Series** fittings are made with high quality brass and are protected by a galvanic chrome-plating treatment which makes them particularly resistant to corrosive agents.
Considering the above and in normal product applications, there is no need for any special installation precautions related to corrosion.

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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