

## Messing extra informatie

In the table below a summation of PN values for the different sizes. Threads are compliant with EN 10226, ISO 228, and ANSI/ASME B1.20.10.

Maat	Fittings PN (Nominale Druk) [Bar]	Kogelkranen PN (Nominale Druk) [Bar]	Kogelkranen L-boring PN (Nominale Druk) [Bar]
1/8" to 1"	40	25	32
1 1/4" to 2"	25	25	25
2 1/1" to 4"	16	25	-
5"	16	-	-

The fittings are produced with copper-zinc (brass), CR or Bronze alloys, whose compliance with the relevant standards, see table below, is verified by means of spectrometric analysis on incoming batches.

Materiaal	Methode	Legering	Referentie standaard
<b>Messing</b>	Gieten	CC753-S - CuZn37Pb2Ni1AlFe CC754-S - CuZn39Pb2Ni1Al	EN 1982
	Hot stamping (Stansen)	CW617N - CuZn40Pb2	EN 12420 EN12165
	Turning Rod (draaiende staaf)	CW612N - CuZn39Pb2 CW617N - CuZn40Pb2	EN 12164 EN 12168
<b>Ontzinking bestendige (CR) Messing</b>	Gieten	CB770S - CuZn36Pb-C	EN 1982
	Hot stamping (Stansen)	CW602N - CuZn36Pb2As	EN 12420 EN 12165
	Turning Rod (draaiende staaf)	CW602N - CuZn36Pb2As	EN 12164 EN 12168
<b>Brons</b>		CC491K - CuSn5Zn5Pb5	EN 1982

The Fittings are suitable for fluids in temperature range -10°C and upon to 200°C. The maximum allowable fluid pressure decreases with temperature increase, see table below:

Temperatuur (°C)	Maximale toegestane druk (Bar)		
	PN16	PN25	PN40
-10 to 100	16	25	40
120	13,5	21,8	36
150	9,5	16,5	30
170	7	12,8	26
180	-	11,3	26
186	-	10,5	22,8
200	-	-	20

According to the thread pattern, the use of sealing agents may be necessary for leaktightness. The use of STRAW is STRONGLY NOT recommended. While PTFE or specific sealants should be used appropriately, considering the relevant prescriptions, for instance when used with drinking water. Wij advise teflontape, click [here](#), or Three Bond liquid sealant, click [here](#).

The fittings should be installed avoiding excessive torque. The table below shows experimental torque values that accomplish leaktightness when tested at pressures up to 150% the allowable test pressure PEA (as per EN 805 standard). Higher torque values have no significant effect on leaktightness of the joint, but may damage the fitting, pipe or both, therefore not recommended.

Maat	Draaimoment (Nm)
1/8 "	3
1/4 "	9
3/8 "	10
1/2 "	12
3/4 " - 1 1/4 "	16
1 1/2 " - 3"	20
4" - 5"	25

When installed, the fittings should not be subject to flexural stress due to the pipes own weight or misalignment. It is therefore recommended that pipes are correctly aligned and the means of fixation are fit to sustain the weight.

These products do not normally require any maintenance operations. When used with liquids expanding at lower temperatures, such as water, the usual draining operations against freezing are recommended.