Brass addition information

In the Table below a summary of the nominal pressure (PN value) for fittings. Threads are compliant according EN 10226, ISO 228 and ANSI/ASME B1.20.1

Size	PN (nominal Pressure [Bar]
1/8" to 1"	40
1"1/4 to 2"	20
2"1/2 to 5"	16

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

Material	Form	Alloy	Reference standard
Brass	Casting	CC753-S - CuZn37Pb2Ni1AlFe CC754-S - CuZn39Pb2Ni1Al	EN 1982
	Hot stamping	CW617N - CuZn40Pb2	EN 12420 EN12165
	Turning Rod	CW612N - CuZn39Pb2 CW617N - CuZn40Pb2	EN 12164 EN 12168
Dezincification Resistant (CR) Brass	Casting	CB770S - CuZn36Pb-C	EN 1982
	Hot stamping	CW602N - CuZn36Pb2As	EN 12420 EN 12165
	Turning Rod	CW602N - CuZn36Pb2As	EN 12164 EN 12168
Bronze		CC491K - CuSn5Zn5Pb5	EN 1982

Fittings are suitable for fluids int the temperature range -10ºC to 200ºC. The maximum pressure decreases with temperature increase.

Temperature (ºC)	Maximum allowable pressure (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

The use of sealing agents may be necessary for leak tightness. However it's strongly recommended NOT to use straw while PTFE of specific sealants should be used appropriately, considering the relevant prescriptions, for instance when used with drinking water. We recommend the following sealant Teflon Tape click here or for Viba liquid sealant click here Fittings should also be installed avoiding excessive torque. Sea table below, tested at 150% off allowable test pressure PEA (EN 805 standard). Higher torque may damage the threats without significant effect on leak-tightness.

Size	Torque (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

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