

Pressure

Conversion table for pressure units used in the field of refrigeration

to from	bar	mbar	Pa	kPa	psi
1 bar	1	1,000	100,000	100	14.5
1 mbar	0.001	1	100	0.1	0.0145
1 Pa	0.00001	0.01	1	0.001	0.000145
1 kPa	0.01	10	1,000	1	0.145
1 psi	0.069	69	6,900	6.9	1
1 Torr	0.00133	1.3	133.3	0.1333	0.0193

Further relations: 1 Torr =1 mmHg 1 Torr =1,000 Micron 1 Micron= 0.00133 mbar

**Common Threads
Flaring Connections**

Copper connection to fit 90° Flare copper tube and nut SAE (UNF) is the thread corresponding to the international standard for refrigeration according to DIN8904 and ASA B 1.1.

Thread UNF	US Specification SAE	O.D. (Max. Size) (mm)	Core Dia. (Min. Size) (mm)	Pitch Number per Inch	Pitch (mm)
7/16" – 20 UNF	1/4" SAE	11.079	9.738	20	1.270
1/2" – 20 UNF	5/16" SAE	12.667	11.328	20	1.270
5/8" – 18 UNF	3/8" SAE	15.839	14.348	18	1.411
3/4" – 16 UNF	1/2" SAE	19.012	17.330	16	1.588
7/8" – 14 UNF	-	22.184	20.262	14	1.814
7/8" – 14 UNF	5/8" SAE	22.184	20.262	14	1.814
1" – 14 UNF	3/4" SAE	25.357	23.437	14	1.814
1 1/16" – 14 UNF	-	26.947	25.024	14	1.814
1 1/8" – 12 UNF	-	28.529	26.284	12	2.117
1 1/4" – 12 UNF	7/8" SAE	31.704	29.459	12	2.117
1 3/8" – 12 UNF	-	34.877	32.634	12	2.117
1 1/2" – 12 UNF	1" SAE	38.052	35.809	12	2.117

Temperature Conversion Table

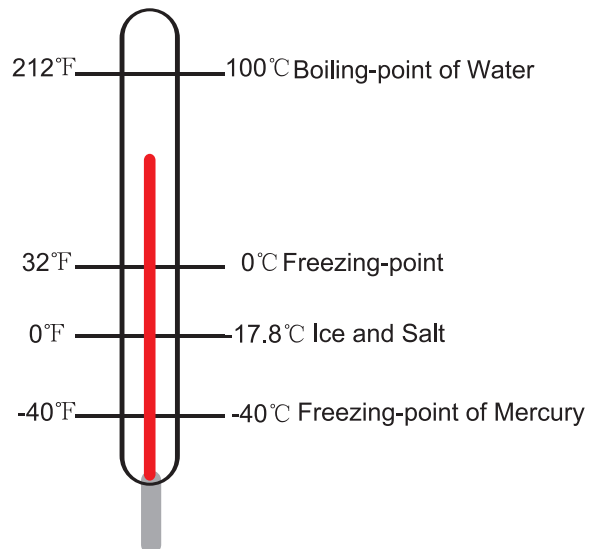
°C in °F = °C X 1.8 + 32 = °F
 °F in °C = (°F - 32) / 1.8 = °C

°C	°F
100	212
95	203
90	194
85	185
80	176
75	167
70	158
65	149
60	140
55	131
50	122
45	113
40	104
35	95
30	86
25	77
20	68
15	59
10	50
4	39
0	32
-10	14
-20	-4
-30	-22
-40	-40
-50	-58
-60	-76
-273	-460

°C	°F
212	100
200	93
190	88
180	82
170	77
160	71
150	66
140	60
130	54
120	49
110	43
100	38
90	32
80	27
70	21
60	16
50	10
40	4
30	0
20	-7
10	-12
0	-12
-10	-23
-20	-29
-30	-34
-40	-40
-50	-46
-60	-51
-112	-80
-460	-273

Refrigeration Capacity

1w=3.41Btu/h
 1w=0.86Kca/h
 1ton=3.57KW



Note: If more information needed, please feel free to contact us.