

Useful Information

Thermistor Types and Compatibility Chart

Element Code	Element Type	Manufacturer	Room (TT911)	Outside (TT531)	Duct (TT522)	Immersion (TT541)	Clamp (TT551)	Bullet (TT555)
A	10K3A1	Aquatrol	✓	✓	✓	✓	✓	✓
		Honeywell	T8120B	T7416A T7043E	✓	T7106A T7043F	T7044C	T7076D
		Johnson	✓	✓	TE-6361V TE-636GV-1	✓	✓	✓
		Satchwell	✓	DOT10K2 DOS10K2	DDT10K1	DWT10K1 DST10K1	✓	✓
		Seachange	SEN/PTR/ROM	SEN/PR/OAT	SEN/PR/DCT	SEN/PR/IMM	SEN/PR/CLP	SEN/FL
		Trend	TE-TS	TE-TO	TE-TD	TE-TI	TE-TC	✓
B	10K4A1	Andover	TTS-S Series	✓	TT-O Series	TT-I Series	TT-ST	✓
		Siebe	✓	✓	✓	✓	✓	✓
		York <40°C	✓	✓	✓	✓	✓	✓
C	20K6A1	Honeywell	T7460H, T7470A DRF20-S, RF20 T4712	AF20, DAF20 T7416A1022	LF20	VF20T, VF20NT VF20L, VF20LN WPF20, T7425A	VF20A WPF20A	KFT20, KFT20B DKF20
D	PT100A	Sauter	EGT430/F011	✓	EGT466/F011 EGT447/F011	✓	✓	EGT456/F011
		Serck	✓	✓	✓	✓	✓	✓
		Siemens/ Landis & Staefa	QAA100 QAA2010	QAC2010	FK-TP/200 QAM2110	QAE2110		QAP2010
E	PT1000A	Honeywell	T7412	T7416A1014	T7411	T7413	T7414	✓
		Sauter	EGT430/F101	EGT401/F101	EGT446/F101 EGT447/F101		EGT411/F101	EGT456/F101
		Serck	✓	✓	✓	✓	✓	✓
		Siebe	TS-5811	✓	✓	✓	✓	✓
		Cylon	✓	✓	✓	✓	✓	✓
F	Ni1000A	Sauter	EGT330/F101	EGT301/F101	EGT346/F101 EGT347/F101 EGT348/F101	EGT346/F101 EGT347/F101 EGT348/F101	EGT311/F101	EGT354/F101 EGT356/F101
G	Ni1000A/ TCR (LAN1)	Siemens/ Landis & Staefa	QAA24/25/26/27 QAA64	QAC22	QAM2120	QAE2120	QAD22 QAD26	QAP21, QAP22 QAZ21
H	SAT1	Satchwell	DRT, DU, DUS DUSF	DOT0002 DOS0002	DDT0001	DWT0001 DST0001	✓	DDU
K	STA1	Siemens/ Landis & Staefa	QAA2040 FR-T1	FW-T1	QAM2140 FK-T1	QAE2140 FT-T1	FA-T1	QAP2040 FTK-T1
L	TAC1	TAC	✓	✓	✓	✓	✓	✓
M	2.2K3A1	Ambiflex	RTN3060	ETN3060	DTN3060	ITN3060	CTN3060	✓
		Johnson	TE-6344P	TE-6343P	TE-6341P TE-6341V TE-634GV-1	TE-6342P		
N	3K3A1	Alerton	MS-1000 Series TS-1050	✓	✓	✓	✓	✓
P	30K6A1	Drayton	A701	A702	✓	A703	A704	✓
Q	50K6A1	Ambiflex	✓	✓	✓	✓	✓	✓
R	100K6A1	York >40°C	✓	✓	✓	✓	✓	✓
S	SAT2	Satchwell	DR	✓	DD	DW1202 DWS1301	✓	✓
T	SAT3	Satchwell	✓	✓	✓	DW1204 DWS1202	✓	✓
V	SAT4	Satchwell	✓	DO2202	✓	✓	✓	✓
W	SIE1	Barber Colman	✓	✓	✓	✓	✓	✓
		Siebe	✓	✓	✓	✓	✓	✓
Y	STA2	Siemens/ Landis & Staefa	FR-T30	FO-T30	FK-T30	FT-T305	✓	✓

Thermistor Temperature Range

M - 2.2K3A1

Sensor type:
Thermistor, temp
coef. negative

Temp °C	Ω
-50	150395
-40	75593
-30	39789
-20	21839
-15	16416
-10	12453
-5	9529
0	7353
1	6988
2	6643
3	6318
4	6010
5	5719
6	5444
7	5183
8	4937
9	4703
10	4482
11	4273
12	4075
13	3886
14	3708
15	3539
16	3378
17	3226
18	3081
19	2940
20	2814
21	2690
22	2572
23	2460
24	2353
25	2252
26	2156
27	2064
28	1977
29	1893
30	1814
35	1471
40	1199
45	983.4
50	810.9
55	672.2
60	560.1
65	468.9
70	394.5
75	333.3
80	282.9
85	241.1
90	206.3
95	177.2
100	152.8
105	132.3
110	114.9
115	100.1
120	87.51
125	76.75
130	67.52
140	52.72
150	41.61
160	-
170	-
180	-
190	-
200	-

N - 3K3A1

Sensor type:
Thermistor, temp
coef. negative

Temp °C	Ω
-50	200348
-40	100701
-30	53005
-20	29092
-15	21868
-10	16589
-5	12694
0	9795
1	9309
2	8850
3	8416
4	8006
5	7619
6	7252
7	6905
8	6577
9	6266
10	5971
11	5692
12	5428
13	5177
14	4940
15	4714
16	4500
17	4297
18	4105
19	3916
20	3748
21	3583
22	3426
23	3277
24	3135
25	3000
26	2871
27	2749
28	2633
29	2522
30	2417
35	1959
40	1598
45	1310
50	1080
55	895.5
60	746.2
65	624.7
70	525.5
75	444.0
80	376.9
85	321.2
90	274.8
95	236.1
100	203.6
105	176.2
110	153.0
115	133.3
120	116.6
125	102.2
130	89.95
140	70.23
150	55.44
160	-
170	-
180	-
190	-
200	-

A - 10K3A1

Sensor type:
Thermistor, temp
coef. negative

Temp °C	Ω
-50	667828
-40	335671
-30	176683
-20	96974
-15	72895
-10	55298
-5	42314
0	32650
1	31030
2	29500
3	28054
4	26688
5	25396
6	24173
7	23016
8	21921
9	20885
10	19904
11	18974
12	18092
13	17257
14	16465
15	15714
16	15001
17	14325
18	13623
19	13053
20	12494
21	11943
22	11420
23	10923
24	10450
25	10000
26	9572
27	9165
28	8777
29	8408
30	8056
35	6530
40	5325
45	4367
50	3601
55	2985
60	2487
65	2082
70	1751
75	1480
80	1256
85	1070
90	916.1
95	787.0
100	678.6
105	587.3
110	510.1
115	444.5
120	388.6
125	340.8
130	300.0
140	234.1
150	184.8
160	-
170	-
180	-
190	-
200	-

B - 10K4A1

Sensor type:
Thermistor, temp
coef. negative

Temp °C	Ω
-50	441667
-40	239831
-30	135233
-20	78930
-15	61030
-10	47549
-5	37316
0	29490
1	28157
2	26891
3	25689
4	24547
5	23462
6	22430
7	21450
8	20517
9	19631
10	18787
11	17983
12	17219
13	16490
14	15797
15	15136
16	14507
17	13906
18	13334
19	12788
20	12268
21	11771
22	11297
23	10845
24	10413
25	10000
26	9606
27	9229
28	8869
29	8525
30	8197
35	6754
40	5594
45	4656
50	3893
55	3271
60	2760
65	2339
70	1990
75	1700
80	1458
85	1255
90	1084
95	939.6
100	817.2
105	713.0
110	624.1
115	547.9
120	482.5
125	426.0
130	377.2
140	298.1
150	238.0
160	-
170	-
180	-
190	-
200	-

C - 20K6A1

Sensor type:
Thermistor, temp
coef. negative

Temp °C	Ω
0	71120
1	67324
2	63749
3	60385
4	57218
5	54397
6	51429
7	48032
8	46258
9	43938
10	41719
11	39640
12	37676
13	36020
14	34067
15	32409
16	30841
17	29388
18	27954
19	26625
20	25387
21	24178
22	23047
23	21977
24	20962
25	20000
26	19085
27	18225
28	17404
29	16824
30	16384
31	16189
32	14491
33	13847
34	13235
35	12654
36	12010
37	11578
38	11076
39	10600
40	10148
41	9721.1
42	9314.5
43	8826.8
44	8557.5
45	8205.3
46	7899.3
47	7548.9
48	7243.1
49	6951.2
50	6672.6
51	6404.0
52	6148.9
53	5904.6
54	5671.4
55	5448.6
56	5235.7
57	5092.3
58	4837.8
59	4651.6
60	4473.9
61	-
62	-
63	-
64	-

P - 30K6A1

Sensor type:
Thermistor, temp
coef. negative

Temp °C	Ω
-50	2497K
-40	1219K
-30	622911
-20	331876
-15	245785
-10	183697
-5	138502
0	105305
1	99787
2	94588
3	89689
4	85069
5	80713
6	76604
7	72726
8	69064
9	65608
10	62347
11	59257
12	56346
13	53585
14	50978
15	48511
16	46178
17	43969
18	41877
19	39895
20	38019
21	36240
22	34554
23	32955
24	31438
25	30000
26	28635
27	27339
28	26108
29	24939
30	23828
35	19046
40	15317
45	12390
50	10079
55	8243
60	6777
65	5600
70	4650
75	3879
80	3251
85	2737
90	2313
95	1963
100	1672
105	1430
110	1228
115	1058
120	914.6
125	793.2
130	690.2
140	527.4
150	407.7
160	-
170	-
180	-
190	-
200	-

Q - 50K6A1

Sensor type:
Thermistor, temp
coef. negative

Temp °C	Ω
-50	4168K
-40	2033K
-30	1038K
-20	553243
-15	409689
-10	306183
-5	230842
0	175508
1	166310
2	157644
3	149480
4	141779
5	134521
6	127669
7	121207
8	115105
9	109344
10	103903
11	98761
12	93901
13	89307
14	84962
15	80851
16	76961
17	73280
18	69794
19	66492
20	63364
21	60400
22	57589
23	54925
24	52398
25	50000
26	47724
27	45564
28	43513
29	41565
30	39714
35	31744
40	25529
45	20650
50	16799
55	13740
60	11297
65	9334
70	7751
75	6466
80	5419
85	4560
90	3855
95	3271
100	2787
105	2384
110	2046
115	1762
120	1523
125	1321
130	1149
140	878.2
150	678.8
160	-
170	-
180	-
190	-
200	-

R - 100K6A1

Sensor type:
Thermistor, temp
coef. negative

Temp °C	Ω
-50	8337K
-40	4067K
-30	2077K
-20	1106K
-15	819378
-10	612366
-5	461683
0	351017
1	332619
2	315288
3	298959
4	283558
5	269041
6	255337
7	242414
8	230210
9	218688
10	207807
11	197521
12	187803
13	178613
14	169924
15	161702
16	153923
17	146560
18	139588
19	132984
20	126729
21	120799
22	115179
23	109850
24	104796
25	100000
26	95449
27	91128
28	87026
29	83129
30	79428
35	63489
40	51058
45	41301
50	33598
55	27479
60	22593
65	18669
70	15502
75	12932
80	10837
85	9121
90	7710
95	6543
100	5574
105	4767
110	4092
115	3525
120	3047
125	2642
130	2299
140	1756
150	1357
160	-
170	-
180	-
190	-
200	-

H - SAT1

Sensor type:
Thermistor, temp
coef. negative

Temp °C	Ω
-50	9852
-40	9711
-30	9465
-20	9066
-15	8795
-10	8471
-5	8092
0	7660
1	7569
2	7475
3	7379
4	7281
5	7182
6	7082
7	6980
8	6877
9	6772
10	6666
11	6560
12	6453
13	6345
14	6236
15	6125
16	6016
17	5906
18	5795
19	5681
20	5573
21	5369
22	5353
23	5243
24	5134
25	5024
26	4917
27	4809
28	4703
29	4597
30	4492
35	3986
40	3517
45	3089
50	2702
55	2358
60	2055
65	1791
70	1562
75	1363
80	1193
85	1047
90	922.3
95	814.7
100	722.7
105	642.8
110	574.9
115	515.9
120	466.2
125	422.4
130	384.6
140	323.2
150	277.1
160	-
170	-
180	-
190	-
200	-

S - SAT2

Sensor type:
Thermistor, temp
coef. negative

Temp °C	Ω
-50	-
-40	-
-30	-
-20	-
-15	-
-10	-
-5	-
0	2094
1	2079
2	2061
3	2046
4	2027
5	2010
6	1992
7	1973
8	1951
9	1934
10	1911
11	1897
12	1872
13	1851
14	1810
15	1809
16	1787
17	1764
18	1740
19	1716
20	1690
21	1667
22	1644
23	1621
24	1598
25	1574
26	1549
27	1524
28	1500
29	1476
30	1452
35	1336
40	1219
45	1113
50	1011
55	-
60	-
65	-
70	-
75	-
80	-
85	-
90	-
95	-
100	-
105	-
110	-
115	-
120	-
125	-
130	-
140	-
150	-
160	-
170	-
180	-
190	-
200	-

T - SAT3

Sensor type:
Thermistor, temp
coef. negative

Temp °C	Ω
20	2708
21	2681
22	2659
23	2618
24	2616
25	2592
26	2567
27	2544
28	2520
29	2496
30	2474
31	2447
32	2423
33	2398
34	2372
35	2346
36	2322
37	2296
38	2269
39	2243
40	2216
45	2086
50	1950
55	1818
60	1694
65	1758
70	1461
75	1353
80	1258
85	1171
90	1089
95	1020
100	950
105	-
110	-
115	-
120	-
125	-
130	-
140	-
150	-
160	-
170	-
180	-
190	-
200	-

W - SEI1

Sensor type:
Thermistor, temp
coef. negative

Temp °C	Ω
-50	10732
-40	10517
-30	10172
-20	9654
-15	9320
-10	8933
-5	8496
0	8044
1	7910
2	7807
3	7702
4	7596
5	7489
6	7381
7	7271
8	7161
9	7050
10	6938
11	6825
12	6712
13	6598
14	6485
15	6370
16	6256
17	6141
18	6028
19	5913
20	5798
21	5686
22	5573
23	5461
24	5349
25	5238
26	5128
27	5019
28	4910
29	4803
30	4696
35	4185
40	3707
45	3271
50	2875
55	2521
60	2206
65	1929
70	1685
75	1472
80	1287
85	1127
90	986
95	866
100	760
105	670
110	590
115	522
120	462
125	410
130	365
140	290
150	233
160	-
170	-
180	-
190	-
200	-

V - SAT4

Sensor type:
Thermistor, temp
coef. negative

Temp °C	Ω
-10	1733
-5	1617
0	1504
5	1397
10	1298
15	1208
20	1128

Thermistor Temperature Range (cont)
D - PT100A

Sensor type:
Platinum, temp
coef. positive

Temp °C	Ω
-50	80.3
-40	84.3
-30	88.2
-20	92.2
-15	
-10	96.1
-5	
0	100.0
5	
10	103.9
15	
20	107.8
25	109.8
30	111.7
35	
40	115.5
45	
50	119.4
55	
60	123.2
65	
70	127.1
75	
80	130.9
85	
90	134.7
95	
100	138.5
105	
110	142.3
115	
120	146.1
125	
130	149.8
140	153.6
150	157.3
160	161.0
170	164.8
180	168.5
190	172.2
200	175.8
210	179.5
220	183.2
230	186.8
240	190.5
250	194.1
260	197.7
270	201.3
280	204.9
290	208.5
300	212.0
310	215.6
320	219.1
330	222.7
340	226.2
350	229.7
360	233.2
370	236.7
380	240.1
390	243.6
400	247.0
401	-
402	-
403	-

E - PT1000A

Sensor type:
Platinum, temp
coef. positive

Temp °C	Ω
-50	803
-40	843
-30	882
-20	921
-15	
-10	961
-5	
0	1000
5	
10	1039
15	
20	1078
25	
30	1117
35	
40	1155
45	
50	1194
55	
60	1232
65	
70	1271
75	
80	1309
85	
90	1347
95	
100	1385
105	
110	1423
115	
120	1461
125	
130	1498
140	1536
150	1573
160	1611
170	1648
180	1685
190	1722
200	1758
210	1795
220	1832
230	1868
240	1905
250	1941
260	1977
270	2013
280	2049
290	2085
300	2121
310	2156
320	2191
330	2227
340	2262
350	2297
360	2332
370	2367
380	2401
390	2436
400	2470
401	-
402	-
403	-

F - NI1000

Sensor type:
Platinum, temp
coef. positive

Temp °C	Ω
-50	743
-40	791
-30	842
-20	893
-15	
-10	946
-5	
0	1000
5	
10	1056
15	
20	1112
25	
30	1171
35	
40	1230
45	
50	1291
55	
60	1353
65	
70	1417
75	
80	1483
85	
90	1549
95	
100	1618
105	
110	1688
115	
120	1760
125	
130	1833
140	1909
150	1987
160	2066
170	2148
180	2232
190	-
200	-
201	-
202	-
203	-
204	-
205	-

**G - LAN 1
(Ni1000A/TCR)**

Sensor type: Nickel,
temp coef. positive

Temp °C	Ω
-50	790.8
-40	826.8
-30	871.7
-20	913.4
-15	934.7
-10	956.2
-5	978.0
0	1000.0
1	1004.4
2	1008.9
3	1013.3
4	1017.8
5	1022.3
6	1026.7
7	1031.2
8	1035.8
9	1040.3
10	1044.8
11	1049.3
12	1053.9
13	1058.4
14	1063.0
15	1067.6
16	1072.2
17	1076.8
18	1081.4
19	1086.0
20	1090.7
21	1095.3
22	1100.0
23	1104.6
24	1109.3
25	1114.0
26	1120.0
27	1123.4
28	1128.1
29	1132.9
30	1137.6
35	1161.5
40	1185.7
45	1210.2
50	1235.0
55	1260.1
60	1285.4
65	1311.1
70	1337.1
75	1363.5
80	1390.1
85	1417.1
90	1444.4
95	1472.0
100	1500.0
105	1528.3
110	1557.0
115	1586.0
120	1625.4
125	-
130	-
135	-
140	-
150	-
170	-
180	-
190	-
200	-

K - STA1

Sensor type:
Thermistor, temp
coef. positive

Temp °C	Ω
0	2226
1	2236
2	2246
3	2256
4	2266
5	2276
6	2286
7	2298
8	2306
9	2316
10	2326
11	2337
12	2347
13	2357
14	2367
15	2377
16	2388
17	2398
18	2408
19	2418
20	2429
21	2439
22	2449
23	2460
24	2470
25	2480
26	2491
27	2501
28	2512
29	2522
30	2532
31	2543
32	2553
33	2564
34	2574
35	2585
36	2596
37	2606
38	2617
39	2627
40	2638
41	-

Y - STA2

Sensor type:
Thermistor, temp
coef. positive

Temp °C	Ω
0	7490
5	6340
10	5360
15	4540
20	3840
25	3250
30	2750
35	2320

L - TAC1

Sensor type:
Thermistor, temp
coef. negative

Temp °C	Ω
0	5085
5	4078
10	3294
15	2676
20	2188
25	1800
30	1488
35	1237
40	1034
50	740
60	540
70	400
80	300
90	230
100	180
110	-
120	-
130	-
140	-
150	-
170	-
180	-
190	-
200	-

Actuator Close-off Pressure Tables

Failsafe Actuators

Valve part code	6 BAR DP			10 BAR DP		
	Actuator part code	Torque (Nm)	Linkage	Actuator part code	Torque (Nm)	Linkage
VB-W50	VA-DA1.F	11	VB-LK3	VA-DA1.F	11	VB-LK3
	VA-DA2.F	11	VB-LK3	VA-DA1.F	11	VB-LK3
	VA-DA4.F	11	VB-LK3	VA-DA4.F	11	VB-LK3
	VA-DM1.F	11	VB-LK3	VA-DM1.F	11	VB-LK3
VB-W65	VA-DA1.F	13	VB-LK3	VA-DA1.F	14	VB-LK3
	VA-DA2.F	11	VB-LK3	VA-DA1.F	11	VB-LK3
	VA-DA4.F	13	VB-LK3	VA-DA4.F	14	VB-LK3
	VA-DM1.F	13	VB-LK3	VA-DM1.F	14	VB-LK3

Non-failsafe Actuators

Valve part code	6 BAR DP			10 BAR DP			16 BAR DP		
	Actuator part code	Torque (Nm) required	Linkage	Actuator part code	Torque (Nm) required	Linkage	Actuator part code	Torque (Nm) required	Linkage
VB-W50	VA-DA1	10	VB-LK1	VA-DA1	10	VB-LK1	VA-DA1	11	VB-LK1
	VA-DA2	10	VB-LK1	VA-DA2	10	VB-LK1	VA-DA2	11	VB-LK1
	VA-DA1	10	VB-LK1	VA-DA1	10	VB-LK1	VA-DA1	11	VB-LK1
	VA-DA2	10	VB-LK1	VA-DA2	10	VB-LK1	VA-DA2	11	VB-LK1
	VA-DM1.1	10	VB-LK1	VA-DM1.1	10	VB-LK1	VA-DM1.1	11	VB-LK1
	VA-DM2.2	10	VB-LK1	VA-DM2.2	10	VB-LK1	VA-DM2.2	11	VB-LK1
VB-W65	VA-DA1	13	VB-LK1	VA-DA1	14	VB-LK1	VA-DA1	15	VB-LK1
	VA-DA2	13	VB-LK1	VA-DA2	14	VB-LK1	VA-DA2	15	VB-LK1
	VA-DA1	13	VB-LK1	VA-DA1	14	VB-LK1	VA-DA1	15	VB-LK1
	VA-DA2	13	VB-LK1	VA-DA2	14	VB-LK1	VA-DA2	15	VB-LK1
	VA-DM1.1	13	VB-LK1	VA-DM1.1	14	VB-LK1	VA-DM1.1	15	VB-LK1
VA-DM2.2	13	VB-LK1	VA-DM2.2	14	VB-LK1	VA-DM2.2	15	VB-LK1	
VB-W80	VA-DAL1	18	VB-LK1	VA-DAL1	19	VB-LK1	VA-DAL1	21	VB-LK1
	VA-DAL2	18	VB-LK1	VA-DAL2	19	VB-LK1	VA-DAL2	21	VB-LK1
	VA-DAL1	18	VB-LK1	VA-DAL1	19	VB-LK1	VA-DAL1	21	VB-LK1
	VA-DAL2	18	VB-LK1	VA-DAL2	19	VB-LK1	VA-DAL2	21	VB-LK1
	VA-DML1.1	18	VB-LK1	VA-DML1.1	19	VB-LK1	VA-DML1.1	24	VB-LK1
	VA-DML2.2	18	VB-LK1	VA-DML2.2	19	VB-LK1	VA-DML2.2	24	VB-LK1
VB-W100	VA-DAG1	30	VB-LK2	VA-DAG1	32	VB-LK2	VE-UNIC10/15/24	36	VB-LKU-1
	VA-DAG2	30	VB-LK2	VA-DAG2	32	VB-LK2	VE-UNIC10/15/230	36	VB-LKU-1
	VA-DAG1	30	VB-LK2	VA-DAG1	32	VB-LK2	VE-UNIC10/15/24	36	VB-LKU-1
	VA-DAG2	30	VB-LK2	VA-DAG2	32	VB-LK2	VE-UNIC10/15/230	36	VB-LKU-1
	VA-DMG1.1	30	VB-LK2	VA-DMG1.1	32	VB-LK2	N/A	36	N/A
	VA-DMG2.2	30	VB-LK2	VA-DMG2.2	32	VB-LK2	VE-NUCOM10NS/15	36	VB-LKN-1
VB-W125	VE-UNIC10/15/24	42	VB-LKU-2	VE-UNIC10/15/24	46	VB-LKU-2	VE-UNIC10/30	52	VB-LKU-2
	VE-UNIC10/15/230	42	VB-LKU-2	VE-UNIC10/15/230	46	VB-LKU-2	VE-UNIC10/15/230	52	VB-LKU-2
	VE-UNIC10/15/24	42	VB-LKU-2	VE-UNIC10/15/24	46	VB-LKU-2	VE-UNIC10/15/24	52	VB-LKU-2
	VE-UNIC10/15/230	42	VB-LKU-2	VE-UNIC10/15/230	46	VB-LKU-2	VE-UNIC10/15/230	52	VB-LKU-2
VE-NUCOM10NS/15	42	VB-LKN-2	VE-NUCOM10NS/15	46	VB-LKN-2	VE-NUCOM10NS/30	52	VB-LKN-2	
VB-W150	VE-UNIC10/30/24	67	VB-LKU-3	VE-UNIC10/30/24	75	VB-LKU-3	VE-UNIC10/30/24	86	VB-LKU-3
	VE-UNIC10/30/230	67	VB-LKU-3	VE-UNIC10/30/230	75	VB-LKU-3	VE-UNIC10/30/230	86	VB-LKU-3
	VE-UNIC10/30/24	67	VB-LKU-3	VE-UNIC10/30/24	75	VB-LKU-3	VE-UNIC10/30/24	86	VB-LKU-3
	VE-UNIC10/30/230	67	VB-LKU-3	VE-UNIC10/30/230	75	VB-LKU-3	VE-UNIC10/30/230	86	VB-LKU-3
	VE-NUCOM10NS/30	67	VB-LKN-3	VE-NUCOM10NS/30	75	VB-LKN-3	VE-NUCOM10NS/30	86	VB-LKN-3
VB-W200	VE-UNIC20/24	130	VB-LKU-4	VE-UNIC20/24	140	VB-LKU-4	VE-UNIC20/24	160	VB-LKU-4
	VE-UNIC20/230	130	VB-LKU-4	VE-UNIC20/230	140	VB-LKU-4	VE-UNIC20/230	160	VB-LKU-4
	VE-UNIC20/24	130	VB-LKU-4	VE-UNIC20/24	140	VB-LKU-4	VE-UNIC20/24	160	VB-LKU-4
	VE-UNIC20/230	130	VB-LKU-4	VE-UNIC20/230	140	VB-LKU-4	VE-UNIC20/230	160	VB-LKU-4
	VE-NUCOM10NM/15	130	VB-LKN-4	VE-NUCOM10NM/15	140	VB-LKN-4	VE-NUCOM10NM/15	160	VB-LKN-4

Conversion Tables

Temperature

°F to °C	$(°F - 32) \div 1.8$	°C to °F	$(°C \times 1.8) + 32$
----------	----------------------	----------	------------------------

Length

inch to mm	inch x 25.41	mm to inch	mm ÷ 25.41
ft to m	ft x 0.3048	m to ft	m ÷ 0.3048
yard to m	yd x 0.9144	m to yard	m ÷ 0.9144
miles to km	miles x 1.609347	km to miles	km ÷ 1.609347

Area

in ² to mm ²	in ² x 645.16	mm ² to in ²	mm ² ÷ 645.16
in ² to cm ²	in ² x 6.4516	cm ² to in ²	cm ² ÷ 6.4516
ft ² to m ²	ft ² x 0.09290304	m ² to ft ²	m ² ÷ 0.09290304
yard ² to m ²	yd ² x 0.83612736	m ² to yard ²	m ² ÷ 0.83612736

Volume

in ³ to cm ³	in ³ x 16.387064	cm ³ to in ³	cm ³ ÷ 16.387064
ft ³ to m ³	ft ³ x 0.028316846592	m ³ to ft ³	m ³ ÷ 0.028316846592
yard ³ to m ³	yd ³ x 0.764554857984	m ³ to yard ³	m ³ ÷ 0.764554857984
gal to litre	gal x 4.54608	litre to gal	l ÷ 4.54608
US gal to litre	US gal x 3.78241	litre to US gal	l ÷ 3.78241

Mass

oz to gram	oz x 28.349525	gram to oz	g ÷ 28.349525
lb to Kg	lb x 0.4535924	lb to kg	lb ÷ 0.4535924
ton to tonne	ton x 1.016046976	tonne to ton	tonne ÷ 1.016046976
US ton to tonne	US ton x 0.907185	tonne to US ton	tonne ÷ 0.907185

Velocity & Volume Flow

ft ³ /s to m ³ /s	ft ³ /s x 28.349525	m ³ /s to ft ³ /s	m ³ /s ÷ 28.349525
ft ³ /m to m ³ /s	ft ³ /m x 0.0004719	m ³ /s to ft ³ /m	m ³ /s ÷ 0.0004719
ft ³ /m to l/s	ft ³ /m x 0.4719	l/s to ft ³ /m	l/s ÷ 0.4719
gal/min to l/s	gal/min x 0.07577	l/s to gal/min	l/s ÷ 0.07577
US gal/min to l/s	US gal/min x 0.06308	l/s to US gal/min	l/s ÷ 0.06308
l/s to m ³ /h	l/s x 3.6	m ³ /h to l/s	m ³ /h ÷ 3.6
ft/min to m/s	ft/min x 0.00508	m/s to ft/min	m/s ÷ 0.00508
mph to km/h	mph x 1.60934	km/h to mph	km/h ÷ 1.60934
mph to knots	mph x 0.868976	knots to mph	knots ÷ 0.868976
Btu to kJ	Btu x 1.0551	kJ to Btu	kJ ÷ 1.0551
Btu/h to kW/h	Btu/h x 0.0002931	kW/h to Btu/h	kW/h ÷ 0.0002931

Pressure

psi to kPa	psi x 6.894757	kPa to psi	kPa ÷ 6.894757
in water to mbar	in water x 2.491	mbar to in water	mbar ÷ 2.491
ft water to bar	ft water x 0.0298892	bar to ft water	bar ÷ 0.0298892
bar to kPa	bar x 100	kPa to bar	kPa ÷ 100
mbar to Pa	mbar x 100	Pa to mbar	Pa ÷ 100