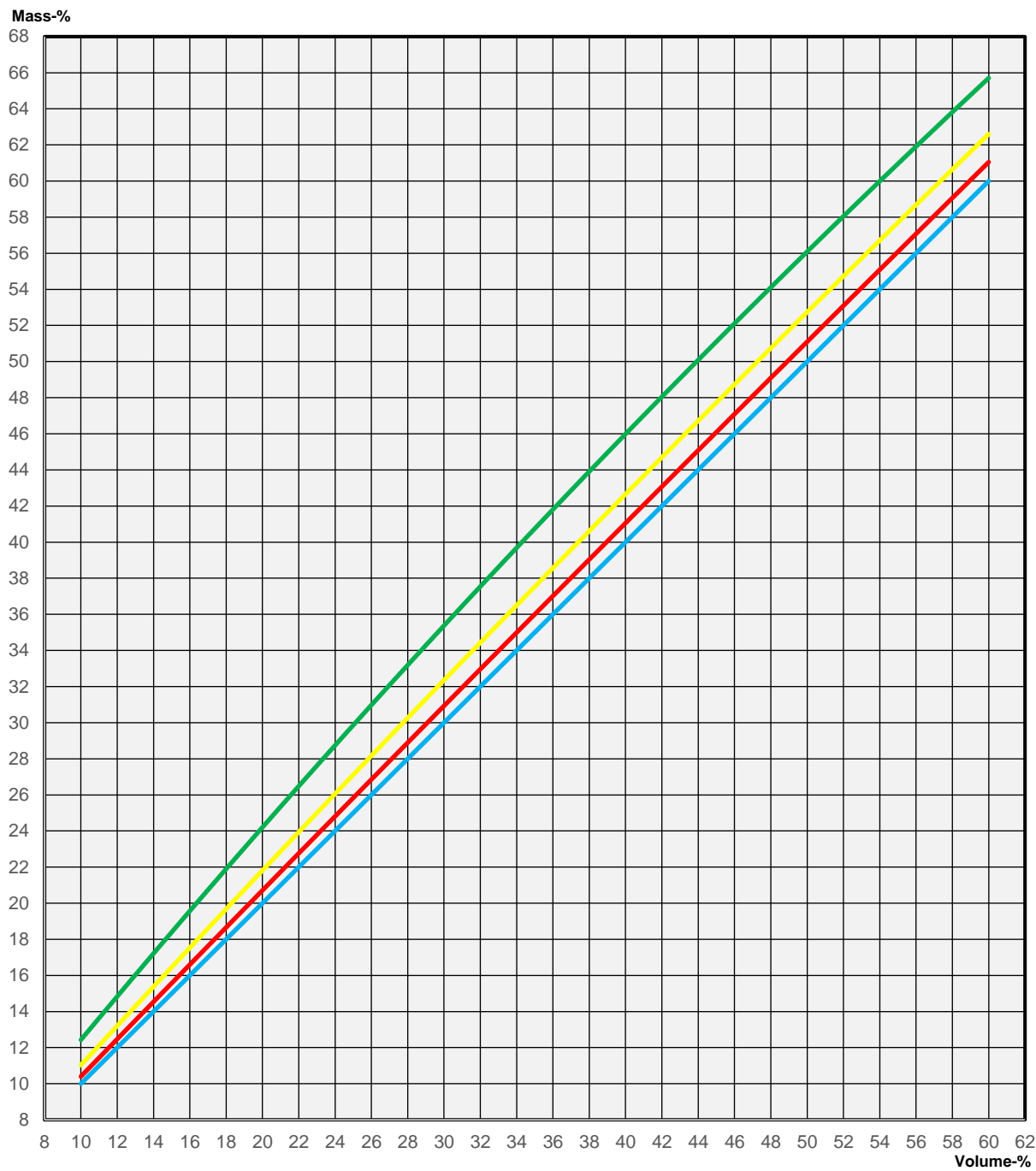
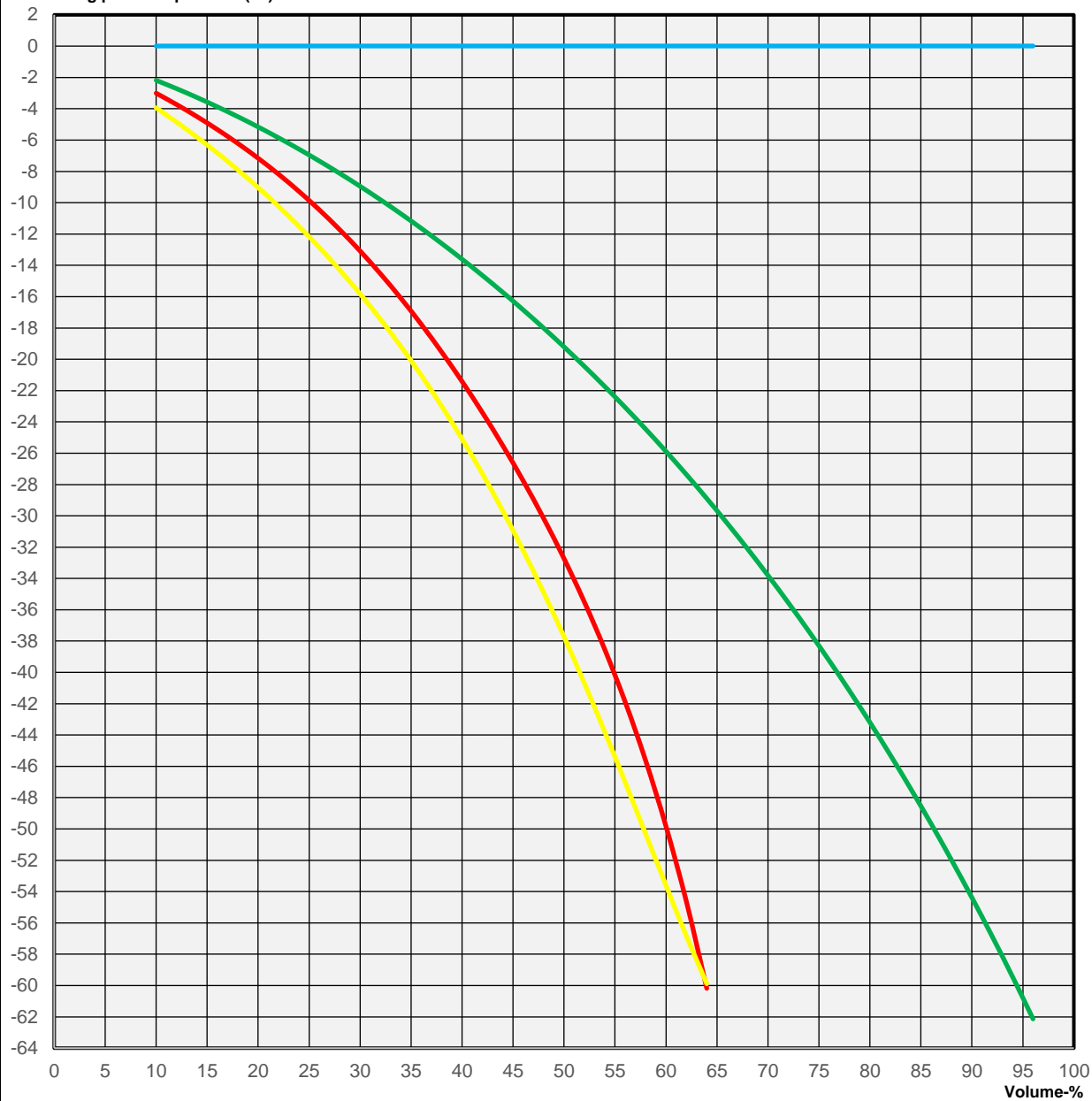


Brine (Based on) kg/m3 (20°C)	Water (---) 998.21	Antifrogen L (Ethylene glycol) 1043.00	Antifrogen N (Propylene glycol) 1114.00	Temper (Organic salt) 1275.00
Volume-%	Mass-%	Mass-%	Mass-%	Mass-%
10.00	10.00	10.40	11.03	12.43
11.00	11.00	11.44	12.12	13.63
12.00	12.00	12.47	13.21	14.83
13.00	13.00	13.50	14.29	16.03
14.00	14.00	14.54	15.37	17.21
15.00	15.00	15.57	16.45	18.39
16.00	16.00	16.60	17.53	19.57
17.00	17.00	17.63	18.61	20.74
18.00	18.00	18.66	19.68	21.90
19.00	19.00	19.68	20.75	23.05
20.00	20.00	20.71	21.81	24.20
21.00	21.00	21.74	22.88	25.35
22.00	22.00	22.76	23.94	26.48
23.00	23.00	23.79	25.00	27.62
24.00	24.00	24.81	26.06	28.74
25.00	25.00	25.83	27.11	29.86
26.00	26.00	26.85	28.17	30.98
27.00	27.00	27.87	29.22	32.08
28.00	28.00	28.89	30.26	33.19
29.00	29.00	29.91	31.31	34.28
30.00	30.00	30.93	32.35	35.38
31.00	31.00	31.95	33.40	36.46
32.00	32.00	32.96	34.43	37.54
33.00	33.00	33.98	35.47	38.62
34.00	34.00	34.99	36.50	39.69
35.00	35.00	36.01	37.54	40.75
36.00	36.00	37.02	38.57	41.81
37.00	37.00	38.03	39.59	42.86
38.00	38.00	39.04	40.62	43.91
39.00	39.00	40.05	41.64	44.95
40.00	40.00	41.06	42.66	45.99
41.00	41.00	42.07	43.68	47.02
42.00	42.00	43.07	44.69	48.05
43.00	43.00	44.08	45.71	49.07
44.00	44.00	45.08	46.72	50.09
45.00	45.00	46.09	47.73	51.10
46.00	46.00	47.09	48.74	52.11
47.00	47.00	48.09	49.74	53.11
48.00	48.00	49.10	50.74	54.11
49.00	49.00	50.10	51.74	55.10
50.00	50.00	51.10	52.74	56.09
51.00	51.00	52.10	53.74	57.07
52.00	52.00	53.09	54.73	58.05
53.00	53.00	54.09	55.72	59.02
54.00	54.00	55.09	56.71	59.99
55.00	55.00	56.08	57.70	60.95
56.00	56.00	57.08	58.68	61.91
57.00	57.00	58.07	59.67	62.87
58.00	58.00	59.07	60.65	63.82
59.00	59.00	60.06	61.63	64.76
60.00	60.00	61.05	62.60	65.71



Brine (Based on) kg/m ³ (20°C)	Water (---) 998.21	Antifrogen L (Ethylene glycol) 1043.00	Antifrogen N (Propylene glycol) 1114.00	Temper (Organic salt) 1275.00
Volume-%	Frost (°C)	Frost (°C)	Frost (°C)	Frost (°C)
10.00	0.01	-3.00	-3.94	-2.18
12.00	0.01	-3.73	-4.85	-2.71
14.00	0.01	-4.50	-5.81	-3.28
16.00	0.01	-5.32	-6.82	-3.87
18.00	0.01	-6.21	-7.90	-4.50
20.00	0.01	-7.16	-9.03	-5.16
22.00	0.01	-8.18	-10.23	-5.85
24.00	0.01	-9.27	-11.50	-6.58
26.00	0.01	-10.45	-12.86	-7.33
28.00	0.01	-11.72	-14.29	-8.13
30.00	0.01	-13.08	-15.82	-8.95
32.00	0.01	-14.54	-17.45	-9.81
34.00	0.01	-16.10	-19.18	-10.71
36.00	0.01	-17.77	-21.03	-11.64
38.00	0.01	-19.54	-22.99	-12.60
40.00	0.01	-21.42	-25.09	-13.61
42.00	0.01	-23.41	-27.32	-14.65
44.00	0.01	-25.52	-29.69	-15.73
46.00	0.01	-27.77	-32.22	-16.85
48.00	0.01	-30.16	-34.90	-18.01
50.00	0.01	-32.73	-37.72	-19.21
52.00	0.01	-35.51	-40.70	-20.45
54.00	0.01	-38.54	-43.81	-21.74
56.00	0.01	-41.89	-47.02	-23.08
58.00	0.01	-45.62	-50.31	-24.46
60.00	0.01	-49.83	-53.61	-25.88
62.00	0.01	-54.64	-56.84	-27.36
64.00	0.01	-60.18	-59.88	-28.89
66.00	0.01	---	---	-30.47
68.00	0.01	---	---	-32.11
70.00	0.01	---	---	-33.80
72.00	0.01	---	---	-35.55
74.00	0.01	---	---	-37.37
76.00	0.01	---	---	-39.24
78.00	0.01	---	---	-41.18
80.00	0.01	---	---	-43.20
82.00	0.01	---	---	-45.28
84.00	0.01	---	---	-47.43
86.00	0.01	---	---	-49.67
88.00	0.01	---	---	-51.98
90.00	0.01	---	---	-54.38
92.00	0.01	---	---	-56.87
94.00	0.01	---	---	-59.46
96.00	0.01	---	---	-62.13

Freezing point temperature (°C)



Because www.temper.se does not publish any concentrations for its brine, www.zcs.ch has calculated these concentrations based on the density of water and the used organic salt, which enables a comparison to Water, Antifrogen L and N.



T-10



T-15



T-20



T-30



T-40



T-55



T-60