

RO Membrane Pressure & Temperature Correction Tables

Temperature Correction Factors for Thin Film Composite (T.F.C.) Membrane Production Rate

Temperature		Correction Factor
<u>F</u>	<u>C</u>	
40	4	.34
42	6	.38
44	7	.41
46	8	.45
48	9	.48
50	10	.52
52	11	.56
54	12	.59
56	13	.63
58	14	.66
60	16	.70
62	17	.73
64	18	.77
66	19	.80
68	20	.84
70	21	.88
72	22	.91
74	23	.95
76	24	.98
77	25	1.00
78	26	1.02
80	27	1.05
82	28	1.09
84	29	1.12
86	30	1.16
88	31	1.20
90	32	1.23
92	33	1.27
94	34	1.30
96	36	1.34
98	37	1.37
100	38	1.41
102	39	1.44
104	40	1.48
106	41	1.52
108	42	1.55
110	43	1.59

To adjust from 77° F (25° C) to another temperature, multiply the production rate by the correction factor.
 To adjust from a temperature to standard conditions divide by the factor



Have questions? Call us at 888-600-5427 and speak with one of our WQA Certified Master Water Specialists.
 Visit us online www.CleanWaterStore.com.
 Email us at info@cleanwaterstore.com

RO Membrane Pressure & Temperature Correction Tables

Pressure Correction factors for Cellulose Triacetate (C.T.A.) Membrane Production Rate

Pressure ^pse ^kPa	Correction Factor	Percent Rejection*
10	69	.17
15	103	.25
20	138	.33
25	172	.42
30	207	.50
35	241	.58
40	276	.67
45	310	.75
50	345	.83
55	379	.92
60	414	1.00
65	448	1.08
70	483	1.17
75	517	1.25
80	552	1.33
85	586	1.42
90	621	1.50
95	655	1.58
100	689	1.67

- To adjust from 60 psi (414)kPa to another pressure multiply the production rate by the correction factor.
 - To adjust from given pressure to standard conditions divide by the factor.
- *Percent rejection of Total Dissolved Solids

Pressure Correction Factors for Thin Film Composite (T.F.C.) Membrane Production Rate

Pressure ^pse ^kPa	Correction Factor	Percent Rejection*
10	69	.17
15	103	.25
20	138	.33
25	172	.42
30	207	.50
35	241	.58
40	276	.67
45	310	.75
50	345	.83
55	379	.92
60	414	1.00
65	448	1.08
70	483	1.17
75	517	1.25
80	552	1.33
85	586	1.42
90	621	1.50
95	655	1.58
100	689	1.67

- To adjust from 60 psi (414)kPa to another pressure multiply the production rate by the correction factor.
- To adjust from pressure to standard conditions divide by the factor.
- To adjust from 77o F (25o C) to another temperature, multiply the production rate by the correction factor.

(C.T.A.) Membrane Production Rate Temperature Correction Factors for Cellulose Triacetate

Temperature		Correction Factor
F	C	
40	4	.56
42	6	.58
44	7	.59
46	8	.61
48	9	.63
50	10	.65
52	11	.67
54	12	.70
56	13	.72
58	14	.74
60	16	.76
62	17	.79
64	18	.81
66	19	.84
68	20	.87
70	21	.90
72	22	.92
74	23	.95
76	24	.98
77	25	1.00
78	26	1.02
80	27	1.05
82	28	1.08
84	29	1.12
85	29	1.13

- To adjust from a temperature to standard conditions divide by the factor.
*Percent rejection of Total Dissolved Solids



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