TEMPERATURE CORRECTION FACTORS (TCF) FOR THIN FILM ELEMENTS[1]

The TCFs listed below are for Dupont FilmTec™ and Applied Membranes Inc. elements only.

Feedwater Temperature

°C	°F	TCF	°C	°F	TCF
10	50.0	1.711	23	73.4	1.071
11	51.8	1.648	24	75.2	1.035
12	53.6	1.588	25	77.0	1.000
13	55.4	1.530	26	78.8	0.971
14	57.2	1.475	27	80.6	0.943
15	59.0	1.422	28	82.4	0.915
16	60.8	1.371	29	84.2	0.889
17	62.6	1.323	30	86.0	0.864
18	64.4	1.276	31	87.8	0.840
19	66.2	1.210	32	89.6	0.816
20	68.0	1.189	33	91.4	0.793
21	69.8	1.148	34	93.2	0.743
22	71.6	1.109	35	95.0	0.750

If water temperature is not 25°C/77°F, use the following to determine the flowrate @ 25°C/77°F:

*Measured Flowrate * TCF @ Water Temperature = Expected Flowrate @ 25°C/77°F*

Example 1 (assuming a water temperature @ 13°C/55.4°F)
0.15gpm * 1.530 = 0.23gpm @ 25°C/77°F

If flowrate is known at 25°C/77°F, but actual water temperature is different, use the following to determine the flowrate at that temperature:

Known Flowrate / TCF @ Water Temperature = Expected Flowrate

Example 2 (assuming a water temperature @ 13°C/55.4°F)
0.23gpm / 1.530 = 0.15gpm @ 13°C/55.4°F

[1] For TCF numbers outside those shown, consult Tech Support for specific manufacturer's formulas to use.

The TCFs listed below are for Trisep ACM and X-20 elements only.

Feedwater Temperature

°C	°F	TCF	°C	°F	TCF
10	50.0	0.597	23	73.4	0.936
11	51.8	0.619	24	75.2	0.968
12	53.6	0.642	25	77.0	1.000
13	55.4	0.665	26	78.8	1.033
14	57.2	0.689	27	80.6	1.067
15	59.0	0.713	28	82.4	1.102
16	60.8	0.739	29	84.2	1.138
17	62.6	0.765	30	86.0	1.174
18	64.4	0.791	31	87.8	1.212
19	66.2	0.819	32	89.6	1.250
20	68.0	0.847	33	91.4	1.290
21	69.8	0.876	34	93.2	1.330
22	71.6	0.906	35	95.0	1.372

If water temperature is not 25°C/77°F, use the following to determine the flowrate @ 25°C/77°F:

Measured Flowrate / TCF @ Water Temperature = Expected Flowrate @ 25°C/77°F

Example 1 (assuming a water temperature @ 13°C/55.4°F)
0.15gpm / 0.665 = 0.23gpm @ 25°C/77°F

If flowrate is known at 25°C/77°F, but actual water temperature is different, use the following to determine the flowrate at that temperature:

*Known Flowrate * TCF @ Water Temperature = Expected Flowrate*

Example 2 (assuming a water temperature @ 13°C/55.4°F)
0.23gpm * 0.665 = 0.15gpm @ 13°C/55.4°F