

CORRECTION FACTORS SMARTFLUXX SPT5

Technical Bulletin

Temperature has influence on the performance of the Parker membranes. As the temperature changes so does the membrane performance. As a consequence the capacity and feed-air factor differ from the ones at nominal feed-air temperature 20°C (68°F).

Hereafter are the tables with correction factors for temperatures differing from 20°C (68°F) feed-air temperature for the SmartFluxx membrane modules.

Temperature	Nitrogen flow rate correction factor for SmartFluxx (SA) at various product concentrations					
	99,5%	99%	98%	97%	96%	95%
5°C (41°F)	-	-	0.90	0.90	0.90	0.90
10°C (50°F)	-	-	0.95	0.95	0.95	0.95
20°C (68°F)	1.00	1.00	1.00	1.00	1.00	1.00
30°C (86°F)	1.00	1.03	1.05	1.05	1.05	1.05
40°C (104°F)	1.00	1.05	1.10	1.10	1.10	1.10
50°C (122°F)	1.00	1.05	1.10	1.10	1.15	1.15
60°C (140°F)	1.10	1.15	1.20	1.20	1.25	1.20

Table 1

Temperature	Feed-Air consumption correction factor for SmartFluxx (SA) at various product concentrations					
	99,5%	99%	98%	97%	96%	95%
5°C (41°F)	-	-	0.90	0.90	0.90	0.90
10°C (50°F)	-	-	0.95	0.95	0.95	0.95
20°C (68°F)	1.00	1.00	1.00	1.00	1.00	1.00
30°C (86°F)	1.10	1.10	1.10	1.10	1.10	1.10
40°C (104°F)	1.25	1.20	1.15	1.15	1.10	1.10
50°C (122°F)	1.35	1.30	1.25	1.20	1.15	1.15
60°C (140°F)	1.60	1.60	1.55	1.55	1.50	1.50

Table 2