Halton Rex RXP, chilled beam - k-factors before 30.06.2025

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1 k-factors (before 30.06.2025)

The following k-factors must be used for Flexible and Autonomic models delivered before 30.06.2025.

For products delivered after 30.06.2025, refer to **Halton Rex RXP, chilled beam - Technical description** or **Halton Rex RXP, chilled beam - Installation, commissioning, and maintenance guide** available in the "Downloads".

1.1 Flexible model

Position of OMD control	Control signal voltage for electric actuator [V]	k-factor [l/s], total airflow (Flexible model)	
		600	1200
0.0		0.11	0.34
0.5		0.11	0.35
1.0		0.81	0.68
1.5		1.40	1.24
2.0		1.66	1.82
2.5		1.81	2.36
3.0		1.95	3.16
3.5		2.09	3.05
4.0		2.23	3.56
4.5		2.69	3.77
5.0		3.17	4.28
5.5		3.67	4.83
6.0		4.09	5.35
6.5		4.56	5.99
7.0		5.05	6.50
7.5		5.47	7.09
8.0		5.89	7.68
8.5		6.20	8.16
9.0		6.53	8.64
9.5		6.75	9.03
10.0		6.77	9.03

Table 1. Halton Rex RXP, Flexible model: k-factors with different OMD control positions in l/s

Position of OMD control	Control signal voltage for electric actuator [V]	k-factor [m^3/h], total airflow (Flexible model)	
		600	1200
0.0		0.40	1.22

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Position of OMD control	Control signal voltage for electric actuator [V]	k-factor [m^3/h], total airflow (Flexible model)	
		600	1200
0.5		0.40	1.26
1.0		2.92	2.45
1.5		5.04	4.46
2.0		5.98	6.55
2.5		6.52	8.50
3.0		7.02	9.94
3.5		7.52	11.38
4.0		8.03	12.82
4.5		9.68	13.57
5.0		11.41	15.42
5.5		13.21	17.39
6.0		14.72	19.26
6.5		16.42	21.56
7.0		18.18	23.40
7.5		19.69	25.52
8.0		21.20	27.65
8.5		22.32	29.38
9.0		23.51	31.10
9.5		24.30	32.51
10.0		24.37	32.51

Table 2. Halton Rex RXP, Flexible model: k-factors with different OMD control positions in m^3/h

1.2 Autonomic model

Control signal voltage for electric actuator [V]	k-factor [l/s], total airflow (Autonomic model)	
	600	1200
0.0	0.11	0.35
0.5	0.11	0.36
1.0	0.26	0.53
1.5	1.10	0.95
2.0	1.56	1.44
2.5	1.73	1.91

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Control signal voltage for electric actuator [V]	k-factor [l/s], total airflow (Autonomic model)	
	600	1200
3.0	1.87	2.44
3.5	1.93	3.02
4.0	1.99	3.34
4.5	2.06	3.64
5.0	2.59	3.76
5.5	3.09	4.28
6.0	3.52	4.80
6.5	3.97	5.34
7.0	4.43	5.87
7.5	4.87	6.40
8.0	5.30	6.93
8.5	5.70	7.46
9.0	6.03	8.00
9.5	6.37	8.47
10.0	6.68	8.79

Table 3. Halton Rex RXP, Autonomic model: k-factors with different OMD control positions in l/s

Control signal voltage for electric actuator [V]	k-factor [m^3/h], total airflow (Autonomic model)	
	600	1200
0.0	0.40	1.26
0.5	0.40	1.30
1.0	0.94	1.91
1.5	3.96	3.42
2.0	5.96	5.12
2.5	6.23	6.88
3.0	6.73	8.78
3.5	6.95	10.87
4.0	7.16	12.02
4.5	7.42	13.10
5.0	9.32	13.54
5.5	11.12	15.41
6.0	12.67	17.28

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Control signal voltage for electric actuator [V]	k-factor [m^3/h], total airflow (Autonomic model)	
	600	1200
6.5	14.29	19.22
7.0	15.95	21.13
7.5	17.53	23.04
8.0	19.08	24.95
8.5	20.52	26.86
9.0	21.71	28.80
9.5	22.93	30.49
10.0	24.05	31.64

Table 4. Halton Rex RXP, Autonomic model: k-factors with different OMD control positions in m^3/h

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