



FlexLine FLH (heaters) technical data

A higher humidification performance is possible by connecting units together.												
Electrical supply ⁽¹⁾	Type	FLH03	FLH06	FLH09	FLH15	FLH25	FLH30	FLH40	FLH50	FLH60	FLH80	FLH100
208-240 VAC / 1 / N / 50-60Hz	Steam output [kg/h]	2.5-3.3	4.9-6.5									
	Steam output [lbs/h]	5.5-7.3	10.8-14.3									
	Rated power [kW]	1.8-2.4	3.7-4.9									
	Rated current [A] ⁽²⁾	8.8-10.2	17.7-20.4									
208-240 VAC / 3 / 50-60Hz	Steam output [kg/h]	2.5-3.3	4.9-6.5		12.2-16.6							
	Steam output [lbs/h]	5.5-7.3	10.8-14.3		26.8-36.5							
	Rated power [kW]	1.8-2.4	3.7- 4.9		9.3-12.4							
	Rated current [A] ⁽²⁾	8.8-10.2	17.7-20.4		25.9-29.9							
440-480 VAC / 3 / 50-60Hz	Steam output [kg/h]		5.5-6.5	8.2-9.8	13.9-16.6	23.1-27.4	27.8-33.1	37.0-44.0	43.7-52.0	55.6-66.2	73.9-88.0	87.4-104.0
	Steam output [lbs/h]		12.1-14.3	18.1-21.6	30.6-36.5	50.8-60.3	61.2-72.8	81.4-96.8	96.1-114.4	122.4-145.6	162.6-193.6	192.3-228.8
	Rated power [kW]		4.1-4.9	6.2-7.3	10.4-12.4	17.3-20.6	20.9-24.8	27.7-33.0	32.8-39.0	2x20.9-24.8	2x27.7-33.0	2x32.8-39.0
	Rated current [A] ⁽²⁾		9.4-10.2	14.0-15.3	13.7-14.9	22.7-24.8	27.4-29.9	36.4-39.7	43.0-46.9	2x27.4-29.9	2x36.4-39.7	2x43.0-46.9
575-600 VAC / 3 / 50-60Hz	Steam output [kg/h]		4.6-5.0	6.8-7.4	11.5-12.6	19.1-20.8	23.1-25.1	30.7-33.4	38.3-41.7	46.2-50.2	61.3-66.8	76.5-83.3
	Steam output [lbs/h]		10.1-11.0	15.0-16.3	25.3-27.7	42.0-45.8	50.8-55.2	67.5-73.5	84.3-91.7	101.6-110.4	134.9-147.0	174.2-189.6
	Rated power [kW]		3.4-3.7	5.1-5.6	8.7-9.4	14.3-15.6	17.3-18.8	23.0-25.0	28.7-31.2	2x17.3-18.8	2x23.0-25.0	2x28.7-31.2
	Rated current [A] ⁽²⁾		5.9-6.2	8.9-9.3	8.7-9.1	14.4-15.0	17.4-18.1	23.1-24.1	29.7-30.1	2x17.4-18.1	2x23.1-24.1	2x29.7-31.0
Number of cylinders		1								2		
Control type		FlexLine mainboard with capacitive 3.5” touch color display										
Internal control voltage		208-240V / 50-60Hz										
Steam hose connection [mm]		1 x DN 25 ID					1 x DN 40 ID	1 x DN 40 ID ⁽⁴⁾	2 x DN 40 ID		2 x DN 40 ID ⁽⁴⁾	4 x DN 40 ID
Steam hose connection [in]		1 x 1 ID					1 x 1.6 ID	1 x 1.6 ID ⁽⁴⁾	2 x 1.6 ID		2 x 1.6 ID ⁽⁴⁾	4 x 1.6 ID
Dimensions ⁽³⁾												
Height [mm/in]		535/21.1				695/27.4		785/30.9			785/30.9	
Width [mm/in]		460/18.1				540/21.3		640/25.2			1170/46.1	
Depth [mm/in]		320/12.6				320/12.6		420/16.5			420/16.5	
Water installation		Fully demineralized water / cleaned condensate / partially softened water / tap water of varying qualities, 1 to 10 bar / 14.5 to 145 PSI, with 3/4” external thread										

FlexLine FLH-TPRO (heaters) technical data

A higher humidification performance is possible by connecting units together.							
FLH03	FLH06	FLH09	FLH15	FLH25	FLH30	FLH40	FLH50
2.5-3.3	4.9-6.5						
5.5-7.3	10.8-14.3						
1.8-2.4	3.7-4.9						
8.8-10.2	17.7-20.4						
2.5-3.3	4.9-6.5		12.2-16.6				
5.5-7.3	10.8-14.3		26.8-36.5				
1.8-2.4	3.7- 4.9		9.3-12.4				
8.8-10.2	17.7-20.4		25.9-29.9				
	5.5-6.5	8.2-9.8	13.9-16.6	23.1-27.4	27.8-33.1	37.0-44.0	43.7-52.0
	12.1-14.3	18.1-21.6	30.6-36.5	50.8-60.3	61.2-72.8	81.4-96.8	96.1-114.4
	4.1-4.9	6.2-7.3	10.4-12.4	17.3-20.6	20.9-24.8	27.7-33.0	32.8-39.0
	9.4-10.2	14.0-15.3	13.7-14.9	22.7-24.8	27.4-29.9	36.4-39.7	43.0-46.9
	4.6-5.0	6.8-7.4	11.5-12.6	19.1-20.8	23.1-25.1	30.7-33.4	38.3-41.7
	10.1-11.0	15.0-16.3	25.3-27.7	42.0-45.8	50.8-55.2	67.5-73.5	84.3-91.7
	3.4-3.7	5.1-5.6	8.7-9.4	14.3-15.6	17.3-18.8	23.0-25.0	28.7-31.2
	5.9-6.2	8.9-9.3	8.7-9.1	14.4-15.0	17.4-18.1	23.1-24.1	29.7-30.1
1							
FlexLine mainboard Process with capacitive 3.5" touch colour display							
208-240V / 50-60Hz							
1 x DN 25 ID				1 x DN 40 ID	1 x DN 40 ID ⁽⁴⁾	2 x DN 40 ID	
1 x 1 ID				1 x 1.6 ID	1 x 1.6 ID ⁽⁴⁾	2 x 1.6 ID	
535/21.1			695/27.4			785/30.9	
460/18.1			540/21.3			640/25.2	
320/12.6			320/12.6			420/16.5	
Fully demineralized water, 1 to 10 bar / 14.5 to 145 PSI, with 3/4" external thread							

Comparison of equipment and options

	FlexLine heater	FlexLine FLH-TPRO
Control accuracy ⁽⁵⁾	Up to +/- 1 %	Up to +/- 0.75 %
Water quality	Fully demineralized water, cleaned condensate, partially softened water, tap water of different qualities	Fully demineralized water
SuperFlush	Integrated	Not necessary
Solenoid valve	1-fold to 3-fold	2-fold to 5-fold
Digital inputs (standard)	1	2
Analogue inputs (standard)	1	2
Optional relay functions	Up to 11	Up to 8

We reserve the right to make technical changes.

- ⁽¹⁾ Other voltages upon request.
- ⁽²⁾ FlexLine electrodes: 1.1-fold power consumption after full blowdown. Observe actuation characteristics of automatic circuit-breakers. If necessary, select the next higher circuit-breaker level.
- ⁽³⁾ External width and depth dimensions. Height including drainage nozzles.
- ⁽⁴⁾ Incl. Y-piece DN 40.
- ⁽⁵⁾ Is achieved after 2-3 x absorption distance.



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