

Data sheet

Dulcodes 1 x 80 LP; operating parameters in accordance with; DVGW Worksheet W 294-1

Manufacturer	ProMinent GmbH
Fitting position	Vertical or horizontal
Operating pressure	max. 10 bar
Ambient temperature	5 ... 40°C
Water temperature	2 ... 40°C
Mains connection	230 V ± 10 %/50 ... 60 Hz
Connected power	110 W
Lamp current	1.4 A
UV sensor, DVGW, 160°	1 no. Material no. 1076149
Sensor window, G1*20	1 no. Material no. 1076118
UV lamp	1 no. Material no. 1061751
Lamp protection tube	1 no. Material no. 1059182
Lamp service life/switches	Max. 14,000 operating hours/3,000 switches

EN Part no. 983190 TM DS 001 01/17 EN

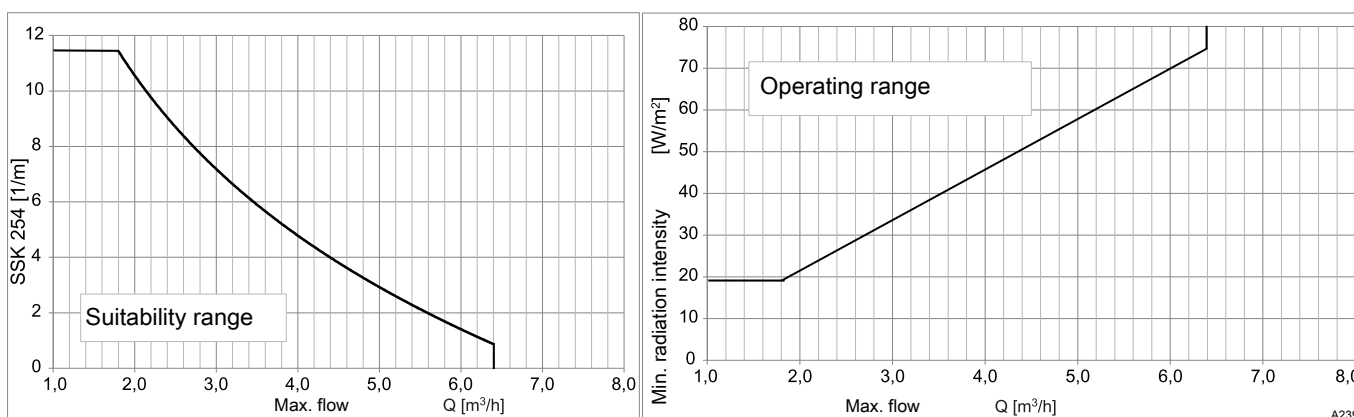


Fig. 1: Design diagram/Operating diagram

Design diagram: Dulcodes 1x80 LP

Flow	permissible SSK-254 values
0 ... 1.8 m³/h	SSK-254 < 11.37 m ⁻¹
1.8 ... 6.4 m³/h	see following table, ↪ „Operating and design table“ on page 2
> 6.4 m³/h	not permitted

Operating diagram: Dulcodes 1x80 LP

Flow	min. radiation intensity E _{min}
0 ... 1.8 m³/h	E _{min} > 19.5 W/m²
1.8 ... 6.4 m³/h	see following table, ↪ „Operating and design table“ on page 2
> 6.4 m³/h	not permitted

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Operating and design table

Warning threshold: The warning threshold is 10% above the minimum radiation intensity.

Max. flow	Max. SSK-254	Min. UV transmission (Layer thickness 1 cm)	Minimum radiation intensity to be complied with	Warning threshold
[m³/h]	[l/m]	[%]	[W/m²]	[W/m²]
1.80	11.37	77.0	19.5	21.5
2.00	10.58	78.4	21.7	23.9
2.25	9.59	80.2	24.4	26.8
2.50	8.71	81.8	27.0	29.7
2.75	7.92	83.3	29.8	32.7
3.00	7.19	84.7	32.5	35.8
3.25	6.52	86.1	35.3	38.9
3.50	5.91	87.3	38.2	42.0
3.75	5.33	88.5	41.1	45.2
4.10	4.58	90.0	45.2	49.7
4.25	4.28	90.6	47.0	51.7
4.50	3.81	91.6	50.0	55.0
4.75	3.36	92.6	53.1	58.4
5.00	2.93	93.5	56.2	61.8
5.25	2.52	94.4	59.4	65.3
5.50	2.13	95.2	62.6	68.8
5.75	1.76	96.0	65.8	72.4
6.00	1.41	96.8	69.1	76.0
6.25	1.07	97.6	72.5	79.7
6.40	0.81	98.2	74.5	82.0

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