

Automatic and Convenient Dosing of Fragrances - with ProMinent

DULCO®flex DF3a Peristaltic Pump for Dosing Fragrances



The DULCO®flex DF3a peristaltic pump has been specifically developed for dosing fragrances in wellness facilities. This pump can be used wherever it is necessary to deliver fragrances in small quantities. Typical applications include the aroma infusion in saunas, steam baths, themed showers and whirlpools. Up to three different fragrances can be dosed automatically and conveniently.

Advantages

- Sign-based user prompting and programming with four buttons for easy and safe operation
- Straightforward installation ensures flexible retrofit and expansion in existing wellness facilities
- Convenient, automatic dosing of up to three different fragrances
- Programmable time intervals can be changed at any time. The currently set dosing intervals can be read off from a large two-line liquid crystal display
- Economy mode for efficient operation: "Dosing only as required"
- Hose change made easy by servicing-friendly design

Features

- Silent-running synchronous motor with four gear stages
- Dosing rates: 0.4, 0.8, 1.6 or 2.4 l/h
- External system control via contact and time interval input (button, door switch, motion detector ...)
- Cycle, operating and hose hours counter with hose change indicator
- Intake function (continuous operation)
- Three level inputs
- Relay output for actuating solenoid valve (for dilution) or fan
- Reproducible, infinitely variable time interval control – all time intervals can be changed independently and at any time for time-based dosing
- Operation and control of two further DF2 fragrance pumps possible
- Expandable hardware functions (additional pcb)



DULCO[®]flex DF3a Peristaltic Pump

Main applications

Dosing of fragrances for aroma infusion of douse water in:

- Saunas
- Steam baths
- Themed showers
- Whirlpools

Technical Data

Pump type	Max. delivery rate* at max. backpressure [bar]	Max. delivery rate* at max. backpressure		Connection size - o Ø x i Ø [mm]	Suction head** [m]	Intake head** [m]	Permissible primary pressure at suction head** [bar]
		at 50 Hz [l/h]	at 60 Hz [l/h]				
0204	1.5	0.4	0.48	6 x 4	4	2	0.5
0208	1.5	0.8	0.96	6 x 4	4	2	0.5
0216	1.5	1.6	1.92	6 x 4	4	2	0.5
0224	1.5	2.4	2.88	6 x 4	4	2	0.5

* Depending on backpressure

** The values were determined with water

Dimensions	226 x 162 x 155 mm (WxHxD)
Weight	Total weight (including installation material) approx. 1800 g Total weight (net) approx. 1300 g
Electrical data	Connection voltage: 230 V ±10 % at 50/60 Hz 115 V ±10 % at 50/60 Hz Power intake: Approx. 24 W Duty factor: 100 %
Shock-hazard and moisture protection	IP 65
Permissible temperatures	Ambient temperature: -10...45 °C Storage temperature: -10...55 °C Medium temperature: -10...45 °C
Sound pressure level	< 30 dB (A) at maximum backpressure (water) in accordance with DIN EN 12639

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