

FRAGRANCEDOS – FS

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1. Function

The dosing unit FRAGRANCEDOS doses fragrance oil concentrate into the steam tubing of a steam cabinet in adjustable intervals of 1-10 minutes. The dosing quantity and so the aromatization intensity is also adjustable from 0-20 seconds.

2. Technical data

The dosing unit consists of:

- the injection pump with special resistant hose and integrated controller
- dosing performance: max. 1 litre per hour
- Max suction height: 1,5m

power requirements

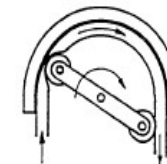
3 pin power transformer 240V, to 12V

3. The fragrance pump

An injection pump is used to dose the fragrance. The pump is ideal for achieving low dose rates and is self priming (i.e. no air bubbles). Rotating rolls press the dosing hose against the pump tube housing, whereby the liquid within the hose is pressed out in front of the rolls and at the same time drawn in behind them. The pump is extremely reliable and very simple to handle.

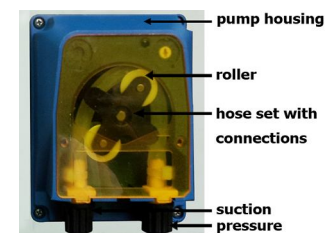
Fragrance concentrates are very aggressive.

The dosing hose used is resistant against most concentrates that are in common use in the industry but we still recommend to check with your equipment supplier prior to use.



3.1 Changing the hose set

Remove the transparent pump cover and the yellow roller cover. To change the hose set the suction and pressure connections have to be pulled forward. Turn the roller to the right and pull out the pump hose over the cut out at the roller. On reassembly reverse this process. At the installation act contrariwise.



Attention

The hose must not be fitted twisted.

Pay attention to the marks.

3.2 Dosing valve and protection suction filter

A back pressure of steam into the fragrance tube is prevented safely by a spring loaded non-return valve. The valve body is completely made of stainless steel. The suction filter helps the tube to be properly fitted in its seat.



OPERATION MANUAL FRAGRANCEDOS - FS

Dosing valve for fragrance



dosing valve



suction filter

4. Console for the fragrance canister

The standard version is delivered for wall mounting the fragrance canister is set on the ground.

The console is made for larger sizes of containers helping to keep the floor space clear.

5. Installation / commissioning / dosing performance

The unit has to be mounted in an easily accessible place. The fragrance canister is placed under the unit on the floor and the suction tube is hung onto it so that the end of the hose reaches the bottom of the canister. Make sure the protection lid of the liquid end is properly fitted in its seat.

For shipping and stock-keeping there's no hose inserted in the pumps preventing a deformation of the hose.

The dosing/ non-return valve 3/8" is screwed into the tapping point. The dosing tube is sheathed in an outer safety tube and connected to the dosing valve and pump outlet. (Right hand side connection).

Attention! Do not split the dosing tube when fitting!

Place the canister with the fragrance oil concentrate under the dosing pump, and put the suction lance into the canister. Set the rotary button on zero until you see the fragrance being drawn up (sucked up).

FRAGRANCEDOS



Pause time

- 0 = no pause time
- 10 = 1 minute
- 20 = 2 minutes
- 30 = 3 minutes
-
- 100 = 10 minutes

Afterwards adjust the required dosing programme by the rotary button on the housing; the dosing pump conveys 5ml of fragrance per dosing impulse. For bigger steam rooms the dosing quantity can be adjusted on desirable (0- 100) ml per dosing impulse (see wiring circuit)

We recommend to combine the dosing of the fragrance with the function of the steam generator: e.g. interlock the power socket or install a temperature sensor to ensure dosing is distributed through the tubing into the steam cabinet when steam is being generated.



OPERATION MANUAL FRAGRANCEDOS - FS

6. Maintenance

The FRAGRANCEDOS pumps are practically maintenance-free and give long life if the following points are considered:

- unsuitable fragrances are not used
- check the pump head every time you change the canister
- change the hose twice annually, if required monthly.

If the unit is taken out of service remove the dosing hose from the pump to prevent long term deformation of the hose. The pump head should be checked frequently to assess condition of the peristaltic hose and the roller springs (i.e. no corrosion/wear), if so change peristaltic hose and if necessary roller too. At least once a year the peristaltic hose should be replaced. If not checked, leakage could occur and damage the pump.

For exchange cut off suction and injection tube at tube connector, fit the new ends to the connectors of the new peristaltic hose and fit it as described above.

Trouble Shooting:

"no fragrance dosing – no aroma in the Steam Room?"

Points to check:

- Fragrance canister empty?
- Does the pump get voltage? → Pause time on "0" → Pump must run.
- Check the fragrance on pureness and cleanness.
- Check the function of the pump: Pull the suction hose of the pump out of the fragrance canister – does a air bubble appear in the hose? Is it aspirated? If yes, the suction function of the pump works. Is the roller of the pump rotating?
- Check the pump hose on cracks, deformation.
- Check the roller of the pump on tracks of wear, springs broken, is the hose mounted correct?
- Check the dosing valve (blocked, clotted?) Remove the dosing tube from the valve by opening the cap nut of the hose connection(Pay attention that no fragrance splashes out as the hose is on pressure).

Switch on the pump. If fragrance is pressed out of the tube the pump works properly. Unscrew the dosing valve of the steam tube and make the same test. If no fragrance is pressed out of the dosing valve it is blocked.

7. Wiring Circuit

