

PERISTALTIC PUMPS

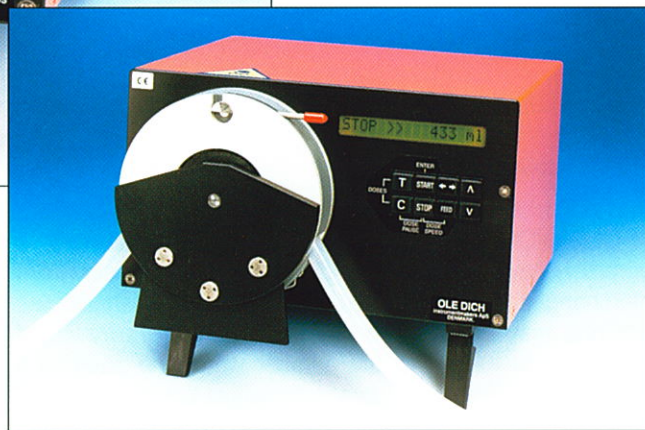


TYPE 110

Microprocessor-controlled pump
1 - 40 channels.
Flow rates from 2 μ l/hour -
29 l/hour.
Built-in dosing function.

TYPE 111

Microprocessor-controlled pump
1 - 4 channels.
Flow rates from 21 ml/hour -
132 l/hour.
Built-in dosing function.



Programming and control via keypad and LCD-display.

Flow settings based on preprogrammed tube types.

Easy calibration.

Models marked * in the table provide possibility of random doses up to 8850 litres over several days.

„ANTI DROP“ function prevents dripping after a dose.

Simple setting of dosing number, pause interval and dosing speed.

All set values are updated automatically.

All models are supplied with parallel port, which provides the possibility of start/stop via timer, foot pedal or other dosing accessories.

Can be delivered with RS 232 with possibility of controlling 9 pumps from PC's.

Programs for PC's can be drawn up according to specification.

TECHNICAL DATA TYPE 110 and 111

Speed:

Adjusted digitally with accuracy better than 0.25%.

Re-setting precision 100%.

Operating temperature: 0 - 40°C.

Main voltage: 230 V AC \pm 10% 50/60 Hz 50 W max.

Dimensions without channels:

Type 110: H 130 x W 220 x D 230 mm.

Type 111: H 165 x W 270 x D 230 mm.

Weight without channels:

Type 110: approx. 4.5 kg.

Type 111: approx. 5.5 kg.

Only models with built-in dosing function:

Min. and max. number of doses: 1 - 100.000 or constant.

Min. and max. pause: 0.1 sec - 9999 hours.

NB: The max./min. flow for each model is calculated on the basis of the largest/smallest tube and the channel which provide the greatest/smallest flow.

| Type | Max. No. of channels | | Flow ml/min. | | Recommended for dosing From/To ml |
|-----------------|----------------------|----|--------------|-------|--------------------------------------|
| | A and B | L | Max. | Min. | |
| *110AC(R)20G150 | 6 | 2 | 495 | 0.22 | 0.030 - 50 |
| *110AC(R)40G150 | 8 | 3 | 495 | 0.22 | 0.030 - 50 |
| *110AC(R)80G150 | 10 | 4 | 495 | 0.22 | 0.030 - 50 |
| *110AC(R)20G75 | 12 | 3 | 247 | 0.10 | 0.030 - 50 |
| *110AC(R)40G75 | 15 | 5 | 247 | 0.10 | 0.030 - 50 |
| *110AC(R)80G75 | 20 | 7 | 247 | 0.10 | 0.030 - 50 |
| *110AC(R)20G38 | 20 | 7 | 125 | 0.05 | 0.030 - 10 |
| *110AC(R)40G38 | 30 | 10 | 125 | 0.05 | 0.030 - 10 |
| *110AC(R)80G38 | 40 | 14 | 125 | 0.05 | 0.030 - 10 |
| *110SC(R)G30 | 4 | 1 | 98 | 0.13 | 0.030 - 10 |
| | | | ml/hour | | |
| 110SC(R)G18 | 6 | 2 | 3500 | 0.35 | ---/--- |
| 110SC(R)G9 | 12 | 3 | 1750 | 0.17 | ---/--- |
| 110SC(R)G1 | 20 | 7 | 198 | 0.003 | ---/--- |
| | XL | | ml/min. | | |
| *111AC(R)80G150 | 1 | | 2200 | 1.22 | 50 - 1000 |
| 111AC(R)40G75 | 2 | | 1100 | 0.60 | ---/--- |
| 111AC(R)80G75 | 3 | | 1100 | 0.60 | ---/--- |
| 111AC(R)40G38 | 3 | | 650 | 0.30 | ---/--- |
| 111AC(R)80G38 | 4 | | 650 | 0.30 | ---/--- |

(R) in typenumber indicates that RS232 is built-in.