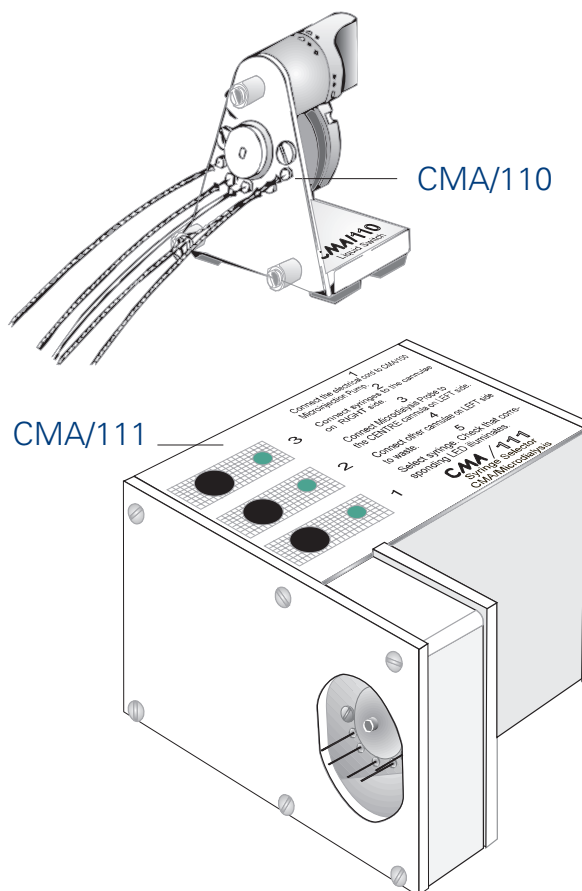


CMA/110 and CMA/111 SYRINGE SELECTORS

PRODUCT NOTE

- Instant change between syringes
- No interruption of the flow
- Prevent introduction of air bubbles
- Easy to operate - motordriven or manually



In many applications it may be necessary to **switch syringes** and change perfusion liquids during the experiment.

In microdialysis delivery of a drug directly to the implantation site offers several advantages.

To accomplish a change of syringes without interruption of the flow, a syringe selector should be used. Changing tubing from one syringe to another interrupts the flow and may introduce air bubbles in the system, which easily can get trapped inside of the dialysis membrane. This will result in a significant loss of recovery.

The **CMA/111 Syringe Selector** is powered from the CMA/100 Microinjection Pump. Three separate syringes can be connected to the CMA/111 and the

choice of syringe is made by pressing the appropriate button. The output from a syringe is selected to the microdialysis probe while the other two are routed to a waste. Switching time between syringes is negligible. It is also possible to program the times for changing syringes by using a controller.

Each CMA/111 is delivered with a tubing kit containing three inlet and four outlet tubings with appropriate adaptors.

The **CMA/110 Liquid Switch** is a manual selector. It is used in the same way as CMA/111 and with the same connectors.

By manually turning the switch, the output from one syringe can be selected and the other two are routed to a waste.

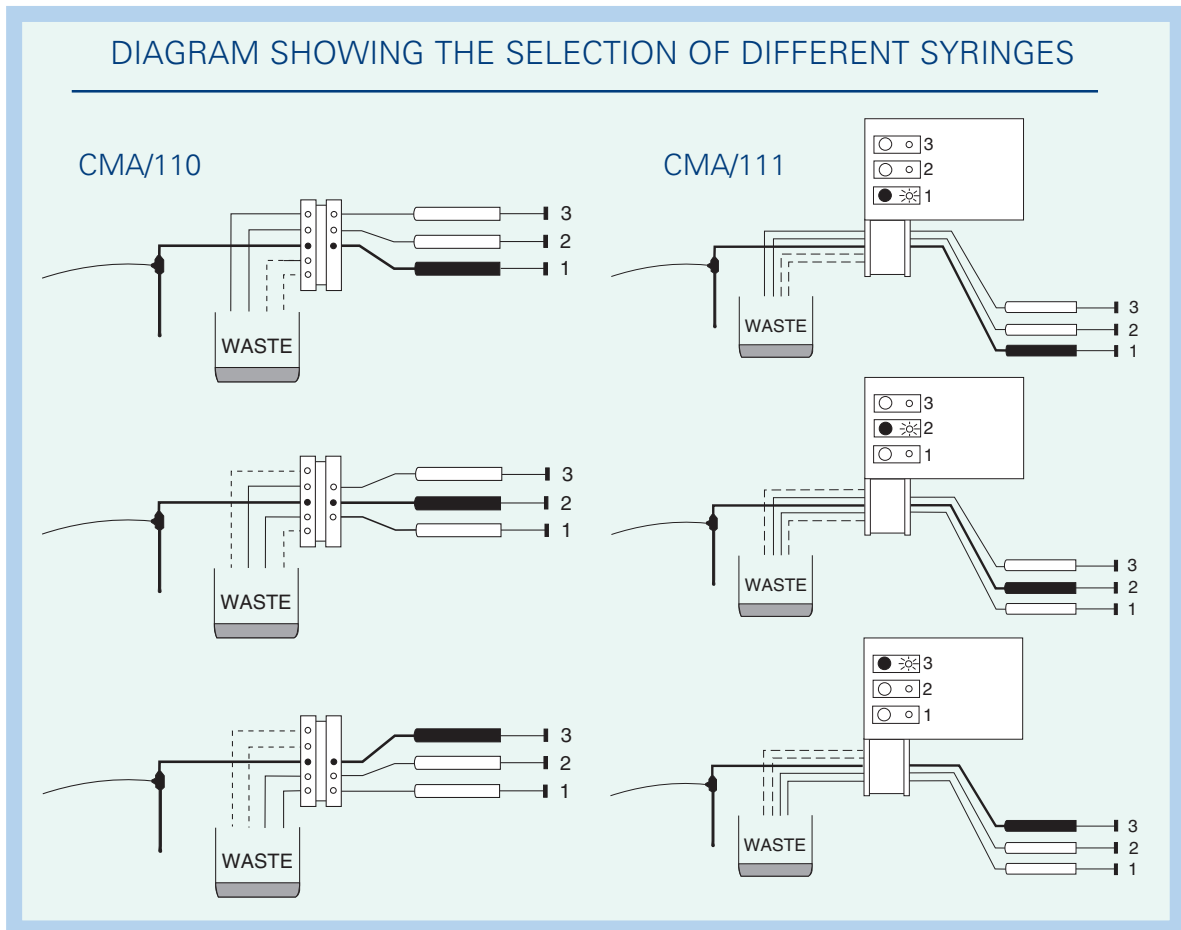


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DIAGRAM SHOWING THE SELECTION OF DIFFERENT SYRINGES



TECHNICAL INFORMATION

CMA/111		CMA/110
Size	100 x 100 x 70 mm	66 x 46 x 50 mm
Weight	0.75 kg	0.13 kg
Internal Volume		
inlet side	1.7 mL	1.7 mL
outlet side	1.7 mL	1.7 mL
dead volume	0 mL	0 mL

ORDERING INFORMATION

CMA/111 Syringe Selector
including Tubing Kit

Cat no 830 8210

CMA/110 Liquid Switch
including Tubing Kit

Cat no 830 8200

CMA/100 Microinjection Pump

Cat no 821 0040

Tubing Kit

Cat no 340 8550