



Qmix Q+ HEATING MODULE

DESCRIPTION

The Qmix Q+ reaction module features two independently controllable heating zones for temperatures of up to 200 °C. One zone is designed to heat various glass chips or glass microreactors. This device has an additional zone, which is designed for tube retention loop of variable length.

Therefore the Qmix Q+ modules let you expand your existing NeMESYS dosing system. The loop zone is designed for the use of flexible tubes (preferably PTFE) and is fitted with its own, dedicated heat control circuit for individual conditions.



VERSATILITY

The picture below shows a flow reaction setup, including pumps, valves and Q+ (reactor) heating module as well as the BASE 120 acts as power supply and PC-Interface. Finally the type of Base unit decides how many modules can be supported. The reactor zone has the maximal dimensions of 40 x 40 mm and a reaction loop of 0.5 m (1/16" OD).



AUTOMATION VIA QmixELEMENTS

The overall control software QmixELEMENTS with its unique features is the key to automate your reaction! The operating windows-based software controls all parameters automatically.



ENVIRONMENT

Operating Temperature..... 0 – 50 °C
 Storage Temperature..... -20 – 75 °C
 Operating Humidity..... 20 – 90 %, non-condensing
 Storage Humidity..... 20 – 90 %, non-condensing

MECHANICAL DATA

Tube Coil
 Weight 1.3 kg
 Dimensions (L x W x H)..... 370 x 75 x 90 mm
Heating Column
 Weight 1.8 kg
 Dimensions (L x W x H)..... 370 x 75 x 175 mm

ELECTRICAL DATA

Power Supply Voltage..... 24 V DC
 Peak Power Consumption..... max. 160 W / 250 W

MODULE PERFORMANCE

Max. Heating Temperature 200 °C
 Fluidic Connections ¼"-28 UNF
 Reactor Area (L x W)..... 40 x 40 mm
 Reaction Loop (length)..... ~0.5 m / 1 m (1/16" OD)
 Reaction Loop (material)..... PTFE/ PEEK/ Metal (1/32"-1/8")

INTERFACES

CAN..... max. 1 Mbit/s
 RS232 max. 115.200 Mbit/s