

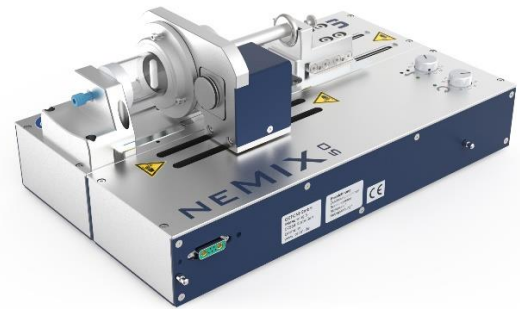


NEMIX 50 SYRINGE STIRRER

DESCRIPTION

The neMIX50 syringe stirrer is a combination of mixing unit and high performant neMESYS syringe pump unit. The powerful neMESYS drives can easily handle large syringe volumes (up to 100 ml) in order to provide high flow rates or dose high viscous fluids.

The custom stirring bar inside the syringe follows the rotation of the surrounding magnetic field (ring) as well as the linear movement of the neMIX actuation unit. This unique method offers an effective mixing of the syringe content especially for long term dosing tasks.



FLOW PERFORMANCE

SYRINGE	MATERIAL	PARAMETER		PRESS. MAX.
		FLOW RATE MIN [NL/MIN]	FLOW RATE MAX [ML/MIN]	[BAR / PSI]
2.5 ml	Glass	3	20	23 / 345
3 ml	Steel	3.5	23.5	300 / 4500
5 ml	Glass	6	40.0	17 / 255
	Steel	7.1	47	150 / 2175
10 ml	Glass	12	80	13 / 195
	Steel	14	94	75 / 1100
25 ml	Glass	30	200	11 / 165
	Steel	35.5	235	30 / 440
50 ml*	Glass	60	400	8 / 117
	Steel	71	470	15 / 220
100 ml	Glass	60	400	8 / 117

*BD Perfusor 50 ml plastic syringe also possible

ENVIRONMENT

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

ELECTRICAL DATA

Peak Power Consumption.....14.5 W
 Power Supply Voltage (Input).....24 V DC

INTERFACES

CAN.....max. 1 Mbit/s
 RS232max. 115.200 Mbit/s

Syringe Pump Module

MECHANICAL DATA

Weight3.6 kg
 Dimensions (L x W x H).....370 x 110 x 65 mm

TECHNICAL DATA

Minimum Dosing Speed0.543 µm/s
 Maximum Dosing Speed8 mm/s
 Piston Stroke120 mm

Mixing Module

MECHANICAL DATA

Weight3.4 kg
 Dimensions (L x W x H).....370 x 110 x 150 mm

TECHNICAL DATA

Rotation Speed15 – 460 rpm
 Linear Speed6.6 – 200 mm/s
 Linear Displacement120 mm