

Technical data sheet

Concept 420 SMD

The Concept 420 SMD dosing pump is designed for continuous operation and offers various control options.

The gearless stepper motor drive ensures a reliable continuous flow rate.



Performance data	Maximum flow rate:	11500 ml/h PS 140-4.8x1.6 PH, water, unrestricted outlet
	Min. flow rate:	2 ml/h PS 138-1.6x1.6 PH, water, unrestricted outlet
	Duty cycle:	24 h (specified temperature range)
	Max. dosing quantity:	180 l with PS 140-4.8x1.6 PH
Configuration	Device:	Buttons on device
	Dosing control:	Adjustable flow rate Potential-free normally open contact (on/off) Pulse controlled (e.g. water meter) Current controlled 0 ... 20 mA Current controlled 4 ... 20 mA Pulse width modulation Timer-relay / load
	Adjustable flow rate ranges:	1.0 ... 200 ml/min 0.4 ... 90 ml/min 0.1 ... 22 ml/min 0.02 ... 5 ml/min

Electrical data

Operating voltage:	115-230 V AC \pm 10%
Frequency:	50-60 Hz
Input current:	200 mA
Protection class:	IP 65
Minimum duration for pulse input $t_{\min, \text{pulse}}$:	50 ms falling edge
Max. frequency pulse operation $f_{\max, \text{pulse}}$:	10 Hz

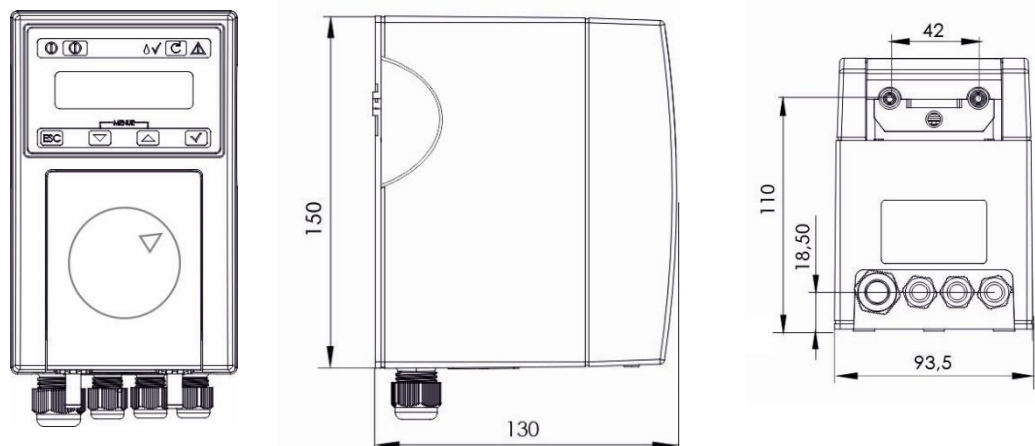
Mechanical data

Dimensions:	93.5 x 150 x 130 mm
Weight:	Approx. 1.6 kg
Tube connections (rinse-aid pump):	4x1 mm (4 mm internal diameter)
Dosable media:	chlorine, flocculant, additives etc., depending on the pump tube material

Ambient conditions

Ambient temperature range:	+10 ... +50 °C
Environmental stress:	Conforms to DIN EN 60068-2-38

Dimensions



Products

Pump

Art. no.

98322
1001477

Designation

Concept 420smd 230 V with rotor 47-13 blue and PS 140-4.8x1.6 PH
Concept 420smd 230 V with rotor 47-13 blue, without tube kit

Tube kit

Art. no.

Pump tube

Operating pressure

Possible flow rate

SK 9911/4.8-4x1, 140-4.8x1.6 PH blue	43300	PS 140 4.8x1.6 PH	1.5 bar	1.0 ... 200 ml/min
SK 9911/3.2-4x1, 138-3.2x1.6 PH blue	43301	PS 138-3.2x1.6 PH	2.0 bar	0.4 ... 90 ml/min
SK 9911/1.6-4x1, 138-1.6x1.6 PH blue	43302	PS 138 1.6x1.6 PH	3.0 bar	0.1 ... 22 ml/min
SK 9911/0.8-4x1, 138-0.8x1.6 PH blue	43303	PS 138-0.8x1.6 PH	3.7 bar	0.02 ... 5 ml/min