

SR25.1

## Peristaltic Pump Series SR25®



### Peristaltic Pump Series SR25®

#### Special Features

- Save continuous condensate removal
- With return stop
- Self-suctioning
- Slow speed
- Hose with long service life
- Explosion proof version according to ATEX for zone 1

#### Application

The peristaltic pump SR25.1 has been specially developed for the condensate removal in analysis applications. It ensures a continuous condensate discharge in gas coolers, condensate collecting vessels, etc. A synchronous motor and the gearing unit with return stop make a condensate flow back impossible.

The capacity of 0.3 l/h guarantees a safe condensate removal, for example when cooling 850 l/h sample gas with an initial dew point of +70 °C (158 °F).

- The peristaltic pump SR25.2-G is supplied in a wall mounting case.
- The peristaltic pump SR25.1/Ex is a mounting version for use in hazardous area zone 1.

#### Description

The peristaltic pump SR25.1 is self-suctioning and designed for continuous operation. It consists of 3 compact parts:

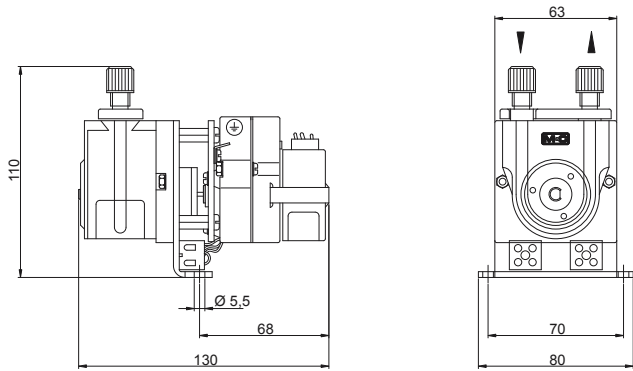
- synchronous motor
- gearing unit with return stop
- pump

The slow speed (5 rpm), the two PVDF hose contact pulleys and the novoprene hose guarantee a good mechanical and chemical resistance with a long service life. A possible change of hoses is simplified by using specially designed hose sets. The tube connectors DN 4/6 allow as well the application of PTFE tube.

- The peristaltic pump SR25.1... is supplied with electric mains for 230 V/50 Hz and 115 V/60 Hz.
- The peristaltic pump SR25.1... is designed as a mounting version.
- Up to 4 peristaltic pumps SR25.1 can be installed in the compressor gas cooler type EC and in the universal unit EC-FD or EC-D (see data sheet 6.5 and 6.6).

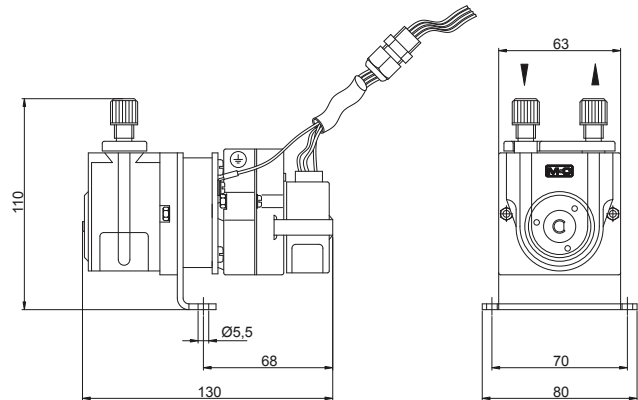
## Dimensions

### Peristaltic pump SR25.1



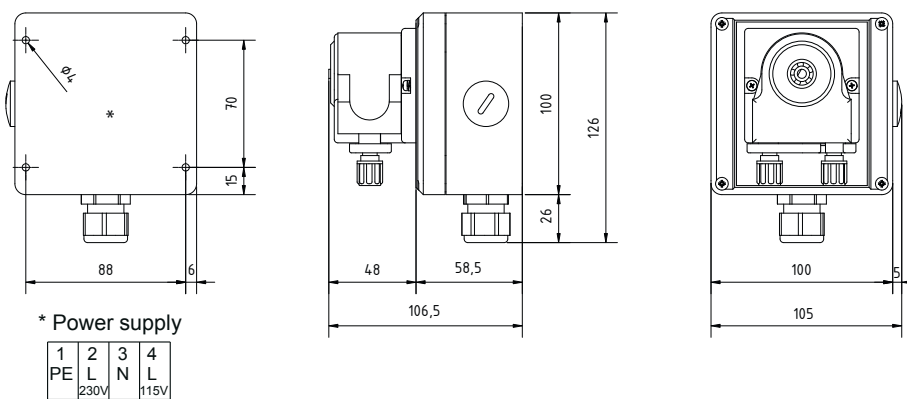
Dimensions in mm

### Peristaltic pump SR25.1/Ex



Dimensions in mm

### Peristaltic pump SR25.2-G in wall-mounting housing



Dimensions in mm

## Technical Data

Peristaltic pump Series SR25°	version SR25.1	version SR25.2-G	version SR25.1/Ex
Part number	01 P 1000	01 P 1120	01 P 1201
Housing	no	yes, out of PVC	no
Method of mounting	boxed type	wall mounting	boxed type
Protection / electrical standard	IP 10 EN60529	IP 52 EN60529	IP40,  II 2 G EEx m II T5 certificate no. KEMA 03ATEX2218 X
Electrical connection	terminal 1.5 mm <sup>2</sup>	terminal 1.5 mm <sup>2</sup> 1x M20	600 mm cable 4 x 0.5 mm <sup>2</sup> * with screwed cable gland M12 x 1.5
Dimensions (mm)	130 x 110 x 80 (5.12" x 4.33" x 3.15")	105 x 100 x 107 (4.13" x 3.94" x 4.21")	130 x 110 x 80 (5.12" x 4.33" x 3.15")
Weight (kg)	0.6 (1.32 lb)	0.8 (1.76 lb)	0.7 (1.54 lb)
Peristaltic pump speed	5 rpm standard		
Capacity	0.3 l/h standard		
Suction max.	200 mbar abs.		
Pressure max.	2200 mbar abs.		
Sample temperature	0 °C to +60 °C (32 °F to 140 °F)		
Ambient temperature	0 °C to +50 °C (32 °F to 122 °F)		+5 °C to +50 °C (41 °F to 122 °F)
Storage temperature	-10 °C to +60 °C (14 °F to 140 °F)		
Connections	Tube connections DN 4/6 mm		
Material of sample contacting parts	PVDF, Novoprene		
Power supply / consumption	115/230 V 50/60 Hz, 3.5 VA		
Continuous duty	100% ED		

*Option Ex-connecting box for SR25.1/Ex	Version for one peristaltic pump	Version for 4 peristaltic pumps
Part number	01 P 9400	01 P 9405
Electrical connections / cable gland	terminals max. 4 x 2.5 mm <sup>2</sup> / 1 x M20 x 1.5, 1 x M12 x 1.5	terminals max. 16 x 2.5 mm <sup>2</sup> / 1 x M20 x 1.5, 4 x M12 x 1.5
Protection / electrical standard	IP65,  II 2 G EEx e II T5	
Dimensions (mm) / Weight (kg)	75 x 80 x 55 / 0.35 (2.95" x 3.15" x 2.17" / 0.77 lb)	160 x 75 x 55 / 0.6 (6.3" x 2.95" x 2.17" / 1.32 lb)