

Electrically heated connectors series T..-H1, V..-H1

Version T6-H1, T8-H1, tee tube union, electrically heated to 180 °C

Version V6-H1, V8-H1, straight tube union, electrically heated to 180 °C

Special Features

- Corrosion resistant
- Compact design
- Gas tight
- Maintenance free
- Easy to operate
- Easy mounting
- Controlled position as option

Application

In analysis technique, often temperatures must be kept above the sample gas dew point. Therefore, it is absolutely necessary to avoid cold bridges.

In order to ensure this, the temperature regulated M&C hose-/tube connectors T..-H1 and V..-H1 are used to connect heated sample lines type 3/4/5-N/M/H with an operating temperature up to 180 °C.

Description

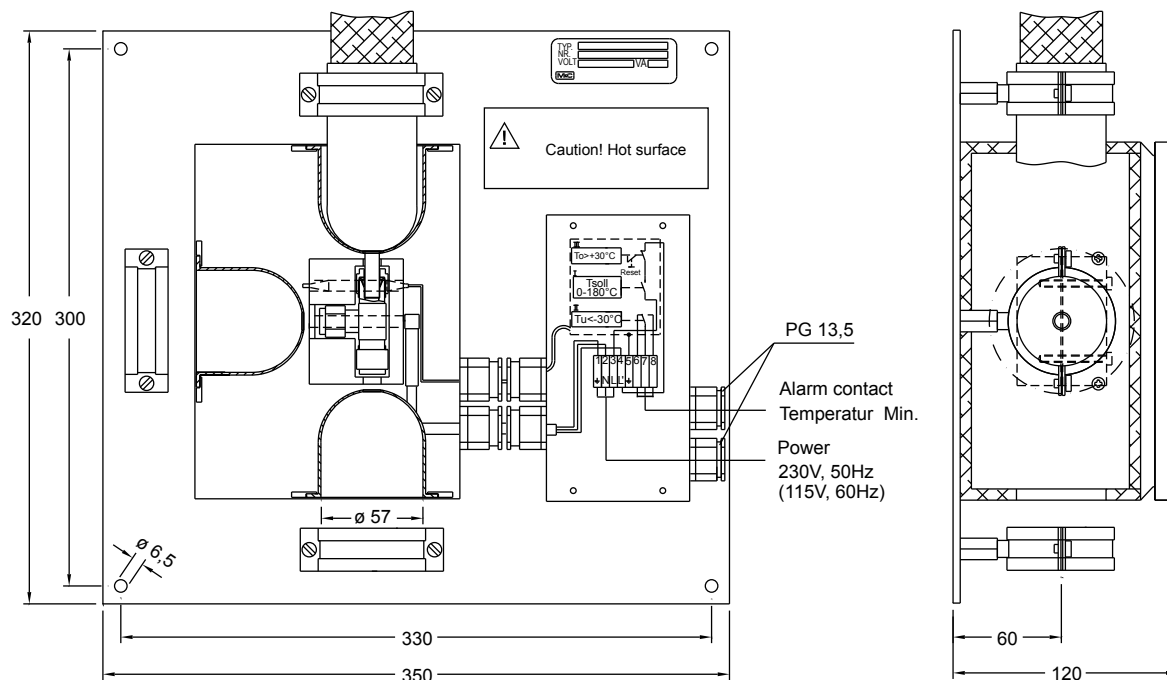
The M&C hose-/tube connectors T..-H1 and V..-H1 are fixed on a mounting plate, decoupled from heat and covered with an insulated enclosure.

The heater consists of a heating element with high capacity. The temperature is adjustable on the integrated thermostat up to 180 °C with high temperature limiter and low temperature alarm. The connection box with integrated thermostat is installed outside the enclosure on the mounting plate.

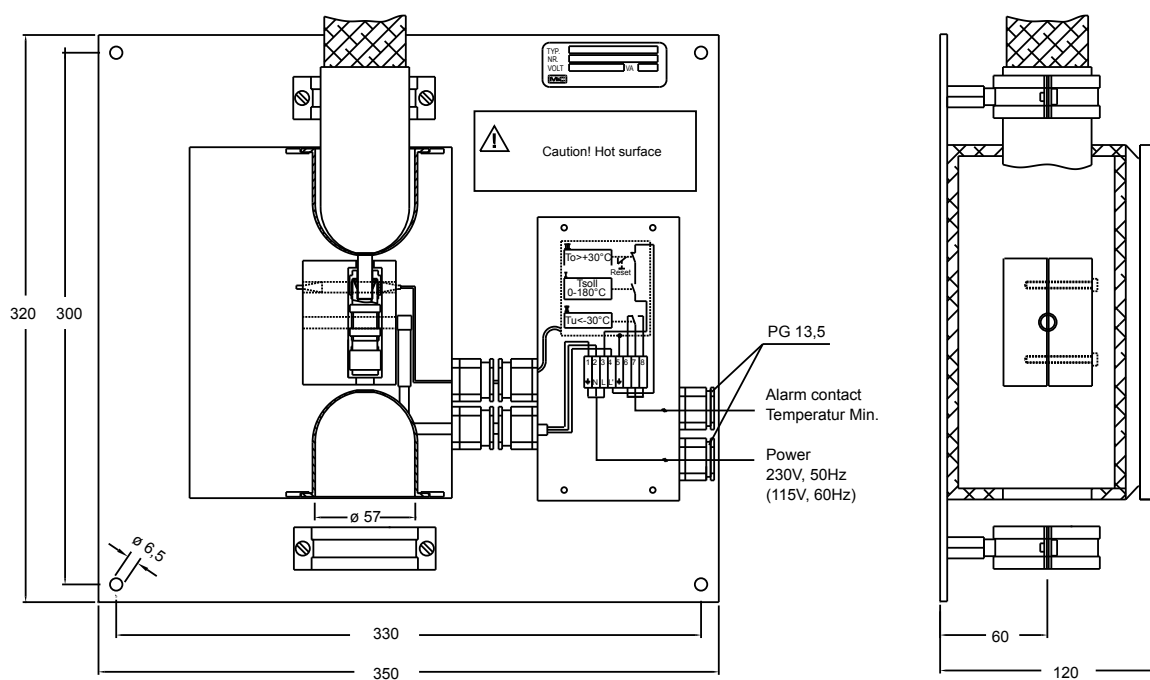
The bushings for the heated sample lines in the enclosure are insulated with sockets of heat resistant silicone. In order to avoid cold bridges, the connector is completely heated by means of a double-ended thermal conducting jaw. For fixing the electrically heated sample lines type 3/4/5-N/M/H – see data sheet 3.1 –, mounting brackets are integrated.

Dimensions

Electrically heated union tee tube connector version T6-H1/T8-H1



Electrically heated straight tube connector version V6-H1/V8-H1



Dimensions in mm

Technical Data

	T6-H1	T8-H1	V6-H1	V8-H1
Part-No.	10B1001 (a)**	10B1101 (a)**	10B1011 (a)**	10B1111 (a)**
Connector version	union tee	union tee	straight connector	straight connector
Connector dimensions	3x ø 6 mm	3x ø 8 mm	2x ø 6 mm	2x ø 8 mm
Fittings system	tube connectors of stainless steel type Swagelok			
Operating pressure	max. 200 bar			
Operating temperature	max. +180 °C			
Ambient temperature	-25 to +60 °C			
Storage temperature	-25 to +80 °C			
Temperature controller	capillary thermostat with high temperature limiter and low temperature alarm integrated in electrical connection box			
Operating temperature	adjustable from 0 to 180 °C, set at factory at 180 °C			
Low temperature alarm contact	alarm point ΔT 30 °C, change over contact, voltage free; contact rating 250V, 3A~, 0,25A =			
Power supply	230V50Hz, 100VA **optionally 115V 60Hz (a)			
Electrical connections	terminals 4 mm ² , 2x cable gland PG13			
Degree of protection	IP 54 EN60529			
Electrical standard	EN 61010, EN 60519-1			
Dimensions	350 x 320 x 120 mm (w x h x d)			
Weight	4,5 kg			
Material of sample contacting parts	stainless steel 316Ti			
Mounting	Wall mounting			