



PAS

Heated Protective Housing

Series PAS

for the installation of customer-specific system components

Special Features

- **Heated protective housing with wall-mount console for installation of customer-specific system components**
- **Electronically controlled heating in the temperature range from 20 to 200 °C [68 to 392 °F]**
- **Digital temperature display**
- **Temperature controller with safety temperature limiter**
- **Bushings for sample lines**
- **Power: 230 V, other voltages on request**

Application

Heated M&C gas conditioning systems are used where increased and constant operating temperatures are necessary for the analysis of gases or liquids.

The large M&C product range of heatable components, in connection with the heated PAS protective housing, enables you to solve your application-specific problems.

Suitable bushings into the heated interior are provided for the heated sample lines.

Versions with European standard explosion-proof heating up to 120 °C [248 °F] internal operating temperature or with steam heating as well as larger cabinets are available upon request.

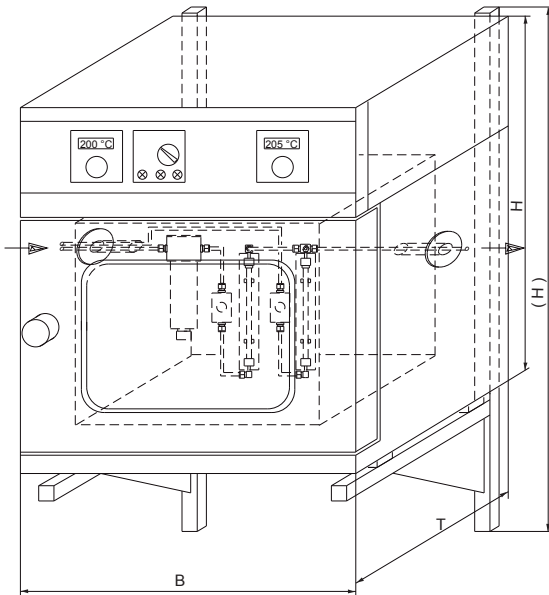
Description

The conditioning components are housed in the protective cabinet (wall-mounting) made of stainless steel, which is heat-insulated on all sides. The front door with its single-knob lock enables easy access to the built-in components. An inspection window made of triple safety glass is available as an option.

The heating temperature of the cabinet interior is selectable within the range from +20 to +200 °C [68 to 392 °F]. An exact electronic control unit keeps the temperature constant at ± 1 °C [± 34 °F]. The temperature is displayed digitally. Two monitoring devices (temperature selection control and temperature limiter), which are additionally integrated, ensure reliable operation. In order to distribute the temperature, a ventilator is also built into versions from size PAS-400.

Depending on the individual requirements, the following components can be installed:

- Filters
- Solenoid valves
- Valves, manually or pneumatically operated
- Ball valves, manually or pneumatically operated
- Flow meters with a needle valve and a monostable flow control
- Pumps (pump head inside heated part, motor outside)
- Customized parts



Technical Data

Heated Housing for Gas Conditioning System					
Series PAS	PAS100	PAS200	PAS300	PAS400	PAS500
Part No.	80A1000	80A1005	80A1010	80A1015	80A1020
Interior space:					
Width in mm [inch]	320 [≈ 12.6"]	400 [≈ 15.8"]	480 [≈ 18.9"]	400 [≈ 15.8"]	560 [≈ 22.1"]
Height in mm [inch]	240 [≈ 9.5"]	320 [≈ 12.6"]	320 [≈ 12.6"]	400 [≈ 15.8"]	480 [≈ 18.9"]
Depth in mm [inch]	175 [≈ 6.9"]	250 [≈ 9.8"]	250 [≈ 9.8"]	330 [≈ 13.0"]	400 [≈ 15.8"]
External dimensions:					
Width W in mm [inch]	470 [≈ 18.5"]	550 [≈ 21.7"]	630 [≈ 24.8"]	550 [≈ 21.7"]	710 [≈ 28.0"]
Height H in mm [inch]	520 [≈ 20.5"] (720 [≈ 28.4"])*	600 [≈ 23.6"] (800 [≈ 31.5"])*	600 [≈ 23.6"] (800 [≈ 31.5"])*	680 [≈ 26.8"] (880 [≈ 34.7"])*	760 [≈ 29.9"] (960 [≈ 37.8"])*
Depth T in mm [inch]	325 [≈ 12.8"]	400 [≈ 15.8"]	400 [≈ 15.8"]	480 [≈ 18.9"]	550 [≈ 21.7"]
Weight, empty, in kg [lbs]	20 [≈ 44.1 lbs]	28 [≈ 61.7 lbs]	30 [≈ 66.1 lbs]	35 [≈ 77.2 lbs]	50 [≈ 110.2 lbs]
Ventilator	No	No	No	Yes	Yes
Power consumption	600 W	1100 W	1200 W	1400 W	2000 W
Power supply	230 V 50/60 Hz, other voltages on request				
Electrical connection	3 m [≈ 9.8 ft] mains cable with an earthing-pin plug; a suitable terminal box is provided for built-in components				
Material of cabinet	Stainless steel 304				
Mounting	Wall-mounting with wall console				
Temperature control	Electronically, microprocessor-controlled, incl. a solid-state relay				
Temperature display	Digital LED display				
Temperature limiter	Temperature selection control and limiter in accordance with DIN 12880, protective class 3.1				
Temperature selection	Lockable rotary button, range +20 to +200 °C [68 to 392 °F] (standard)				
Operating temperature	> 5 °C [41 °F] above ambient temperature up to +200 °C [392°F]				
Ambient temperature	Max. +40 °C [104 °F]				
Case protection	IP20 EN 60529				
Options:	Inspection window in the door External temperature control (2 x PT100 internal) Min. temperature monitoring, status alarm contact, potential-free, contact rating 250 V AC 16 A Explosion-proof (Ex) heating up to +120 °C [248 °F] inner operating temperature Steam heating Wall bushings for sample lines Built-in system-specific components				

* Dimensions in brackets () correspond to the total height including wall-mount console.

Data required for submitting an offer:

- Size
- Number, position and size of the bushings
- Details regarding the built-in components
- Flow sheet, assembly drawing
- Required inner operating temperature