

MAS-100 Iso NT/MH®



User Manual Pressure Test Kit

The pressure test kit is used to test the tightness of the MAS-100 Iso NT® and MAS-100 Iso MH® instruments which are installed in isolators or clean rooms. The test verifies the tightness of the valves and the internal connections.

	IT IS IMPORTANT TO READ THESE INSTRUCTIONS BEFORE USING THIS INSTRUMENT. Please read the safety data sheet and the instrument-specific safety information in this manual carefully before using the instrument and/or any accessory supplied with this product. Keep this notice and all other manuals on the USB flash drive for future reference.
	The pressure test should be performed on each sampling head present, before an adjustment and/or calibration.

Instructions for MAS-100 Iso NT

Pressure Test

1. Remove the sampling head
2. Connect the Tri-Clamp coupling with the Tri-Clamp of the pressure test kit. Do not forget to put a silicon gasket in between
3. Open valve 2 and 3
4. Pump up to 200 mbar
5. Leave the system at rest for 1 minute. If the pressure drops less than 10 mbar, the system is sufficiently tight
6. Close valve 2 and 3 and open valve 1
7. Pump up to 200 mbar
8. Leave the system for 1 minute. If the pressure drops less than 10 mbar, the system is sufficiently tight
9. Make sure to reconnect the sampling head
10. Note: If the pressure drop is more than 10 mbar, check all connections and seals. Always use silicone gaskets.

Instruction for MAS-100 Iso MH

Pressure Test

1. Remove the sampling head
2. Connect the Tri-Clamp coupling with the Tri-Clamp of the pressure test kit. Do not forget to put a silicon gasket in-between
3. Open valve 2 and 3
4. Pump up to 200 mbar
5. Leave the system at rest for 1 minute. If the pressure drops less than 10 mbar, the system is sufficiently tight
6. Make sure to reconnect the sampling head.

Vacuum Test

1. Close valve 2 and 3
2. Open valve 1.1
3. Connect the vacuum pump to the air exit on the instrument
4. Apply an under-pressure of 200 mbar
5. The pressure rise should be < 20 mbar/min
6. Close valve 1.1
7. Open the valve 2 and adjust to -200 mbar
8. The pressure rise should be < 20 mbar/min
9. Make sure to reconnect the customer installation.



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