



- ▶ Processes up to 1000 liters in less than 8 minutes
- ▶ Ensures constant air flow and consistent air sampling
- ▶ Samples high pressure
- ▶ Easy to set up, easy to maintain

M Air T[®] Compressed Gas and Air Sampling System

Sampling system especially designed for microbial monitoring of compressed gas and air

Sterile product comes in contact with compressed gasses and air at numerous points in any production process. Microbial contamination can exist in the valves or lines that are used to feed gas and air into critical, aseptic manufacturing environments. Microbial monitoring of the gasses and air which pass through these lines is therefore a critical component of any environmental monitoring program.

Easy-to-Use, Accurate Gas and Air Sampling

The M Air T System is designed for active air sampling from isolator and barrier environments. The M Air T Gas and Air Sampling Kit, used with the M Air T Isolator Pump, offers operators a uniquely convenient and reliable method of sampling compressed gas and air. The sampling head automatically converts the compressed air or gas sample, which can be at pressures of up to 5 bar, or 73 psi, to atmospheric conditions, thereby providing accurate, reliable sampling. Automated operation and short-duration, high-volume sampling reduce the time and effort required for monitoring and validating aseptic conditions.

Total Sampling Solution Minimizes Contamination Risk

Unlike other systems, which may require separate flow meters, the M Air T System is complete. There's no vacuum calibration needed, and no additional equipment required that could introduce contamination into the sampling area.

Fast Setup and Sampling, Precise Pump Control

Operators easily create and store airflow parameters, set run-time, and specify criteria for multi-cycle operation on the pump's user-friendly control panel. Sampling is fast, processing 1000 L of air in fewer than 8 minutes. A start-delay timer allows the operator to leave the area before testing begins. The system stops automatically.

Simple, Low Maintenance Design

Quick-connecting, sanitary Tri-Clover® fittings are compatible with most sampling ports. The stainless steel sampling head can be autoclaved and decontaminated with an alcohol wipe.

Easy-to-Use, Reliable Agar Cassettes

M Air T Agar Cassettes are packaged double-wrapped, irradiated, and extensively tested to ensure accurate results. Cassettes are designed for easy handling, even for gloved operators. The cassettes' large agar supply prevents desiccation of the medium, which would otherwise occur during sampling of very dry, compressed gas or air and assures a long shelf life.

Report Ready Data

The pump's software simplifies documentation and reporting. Operators may easily download data such as sampling parameters, operator ID, test objective and location, as well as other plant specific details to personal computers.

Documentation Streamlines Compliance

Comprehensive protocols are available to make validation faster and easier. The validation protocol packet contains ready-to-use installation and operation protocols as well as performance qualification guidelines that are written to the same standards as protocols used to validate pharmaceutical processes.

Specifications

M Air T Compressed Gas and Air Sampling Kit

Materials of Construction

<i>Pressure reducer, cone adapter, sieve and TC clamps:</i>	316L stainless steel
<i>TC gaskets:</i>	Silicone

Dimensions

<i>Height:</i>	310 mm (12.2 in.)
<i>Width:</i>	170 mm (6.7 in.)
<i>Depth:</i>	130 mm (5.11 in.)
<i>Weight:</i>	3.5 kg (7.7 lb)
<i>TC gaskets:</i>	38.1 mm (1.5 in.)
<i>TC gaskets:</i>	101.6 mm (4 in.)

M Air T Isolator Pump

Materials of Construction

<i>Frame:</i>	316L stainless steel
<i>Blower:</i>	Sheet steel, epoxy paint
<i>Casing:</i>	Polyurethane with acrylic lacquer
<i>Handle:</i>	Stainless steel epoxy paint
<i>Keypad:</i>	Polycarbonate

Dimensions

<i>Height:</i>	200 mm (8 in.)
<i>Width:</i>	325 mm (12.8 in.)
<i>Depth:</i>	340 mm (13.4 in.)
<i>Weight:</i>	9.3 kg (20.5 lbs)

Power	700 W
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Sanitization	Alcohol wipe
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Air Flow	136 L/min (auto-regulated)
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Regulatory Compliance	CE marked
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Ordering Information

Description	Qty/Pk	Catalogue No.
M Air T Compressed Gas/Air Kit (The kit includes the items below.)	1	ATBH GAS 01
M Air T pressure reducer	1	ATBH PRE 01
M Air T cone adapter	1	ATBH CON 01
M Air T sieve for cone adapter	1	ATBC SEV 01
TC clamp 38.1 mm (1.5 in.)	1	YY20 040 45
TC clamp 101.6 mm (4 in.)	1	FTPF 007 88
TC gasket 38.1 mm (1.5 in.)	10	YY20 040 55
TC gasket 101.6 mm (4 in.)	10	FTPF 007 89

M Air T Isolator Pump

(The following pump components must be ordered separately.)

Pump	1	ATBP UMP 01
Tripod	1	ATBF EET 01
Sampling head	1	ATBH EAD 01
Printer	1	ATBP RNT 02
Tubing	1	ATBT UBE 01
Validation Guide for M Air T Isolator Pump	1	ATBP OVG 01

M Air T Agar Cassettes

Prefilled gamma-sterilized in double-sleeves
(6 bags containing four cassettes or ten cassettes)

Medium	Application	Qty/Pk	Catalogue No.
Tryptic soy agar (TSA)	Total count	60	ATSM TTD 60
Sabouraud dextrose	Yeast & mold	60	ATSM SDD 60
TSA with beta-lactamase	Areas containing antibiotics	60	ATSM PND 60
TSA	Packaged for isolator monitoring	24	ATSM TTB 24
TSA with pyruvate for VHP-sanitized environments	Packaged for isolator monitoring with VHP neutralizers	24	ATSM TPB 24

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