

# Airtec Tube for Cylinder / Compressed Breathing Air / Air Line Test

Airtec tubes are a convenient and simple system for testing of a gas cylinder, compressed breathing air and air line. Industrial operations often produce, or are performed in the presence of harmful airborne contaminants. When self contained breathing apparatus or other devices are used for respiratory protection, the quality of the breathing air requires special attention. Contaminants entering the compressor or contaminants generated by the compressor or cylinder can be harmful to the worker and the respiratory equipment.

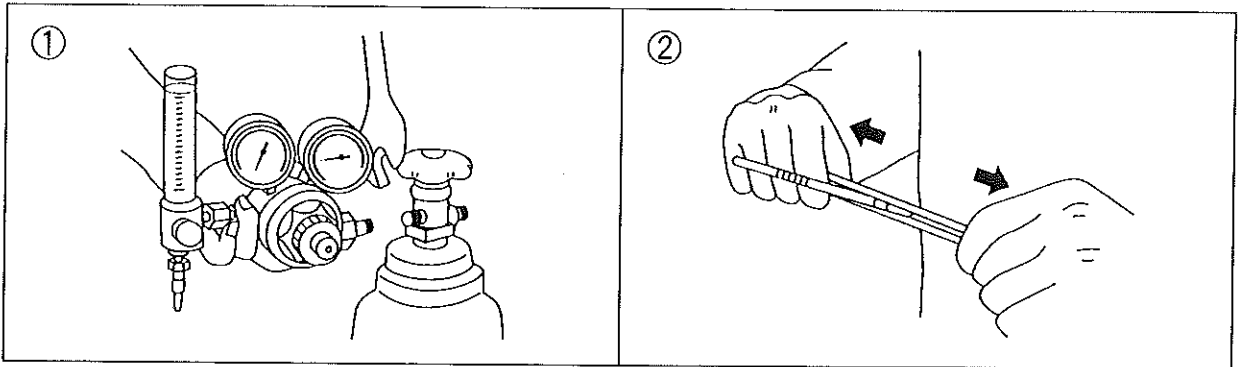
## ■ Specification:

Gas or Mist	Tube No..	Measuring Range	Flow Rate (mL/min)	Sampling Time (min)
Carbon Monoxide	1A	5 to 50 ppm	100	3
Carbon Dioxide	2A	250 to 3000 ppm	100	5
Carbon Dioxide	2Ag	200 to 3000 ppm	100	1.5
Water Vapour	6AH	500 to 5000 ppm	300	1
Water Vapour	6A	30 to 80 mg/m <sup>3</sup>	100	10
Water Vapour	6Ag	150 to 3000 mg/m <sup>3</sup>	300	1
Nitrogen Oxides	11A	0.02 to 0.7 ppm	100	5
Nitrogen Oxides	11A	0.06 to 2ppm	100	2
Oil Mist	109A	0.3 to 1.5 mg/m <sup>3</sup>	1000	60
Oil Mist	109AD	0.2 to 5.0 mg/m <sup>3</sup>	1000	20

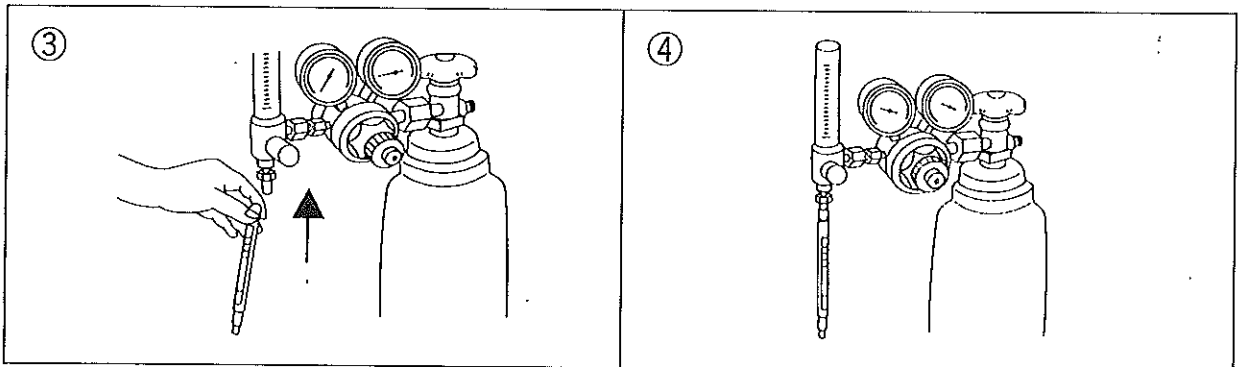
# Airtec Tube for Compressed Breathing

## ■ Measurement procedure: (a case of contaminant test in cylinder)

1. Install a pressure reducer with gauge and flow metre to a cylinder, compressor or air line and adjust the flow metre the required setting.
2. Break tips off a fresh detector tube in the tube tip breaker and insert a tube into a tube holder.



3. Attach the rubber tube holder to the flow metre outlet. Make certain the tube arrow **G** on the tube pointing in a down direction.
4. Turn on the cylinder or compressor and confirm the flow metre according to each Airtec tube specifications.
5. Time the sampling time with a stopwatch.



6. As soon as sampling time has elapsed turn off the cylinder or compressor, and remove the tube from the tube holder and then read colour change layer immediately.

