

#72P

GASTEC ETHYL MERCAPTAN TUBE in the presence of LP-Gas

The Gastec Detector Tube No.72P was designed to provide a rapid, fully quantitative analysis of the concentration of ETHYL MERCAPTAN in the presence of LP-Gas vapor by the pressure available at the appliance burner in residential. This tube does not require the use of a Gastec Multi-Stroke Gas Sampling Pump.

PERFORMANCE:

Calibration Scale	2.5 - 30 ppm
Measuring Range	2.5 - 30 ppm
Detecting Limit*	0.5 ppm
Sampling Time	1 minute at the pressure of 11 inch H ₂ O
Color Change	Yellow - Red
Shelf Life	2 years

*Minimum detectable concentration

MEASUREMENT PROCEDURE:

1. Prior sampling the gas concentration, open valve for 15 seconds to replace the gas around the test point. Then close the valve.
2. Break tips off a fresh detector tube by bending each tube end in the tube tip breaker supplied in each box of tubes.
3. Connect tube to sample point as shown with arrow pointing in direction of gas flow.
4. Open sample valve for one (1) minute. Close valve.
5. Read stain length directly against printed scale on tube.

CORRECTION FOR TEMPERATURE, HUMIDITY AND PRESSURE :

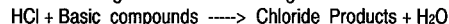
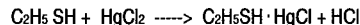
Calibration of the Gastec detector tube No.72P is based on a tube temperature of 20°C (68°F) and not the temperature of the gas being sampled. The tubes are calibrated on LP-Gas meeting GPA Specifications.

CALIBRATION AND ACCURACY:

The Gastec detector tube No.72P is carefully calibrated as an integral part of the manufacturing process. Calibration and accuracy test are performed using combinations of Dynamic Permeation Tube method and gas chromatographic technique.

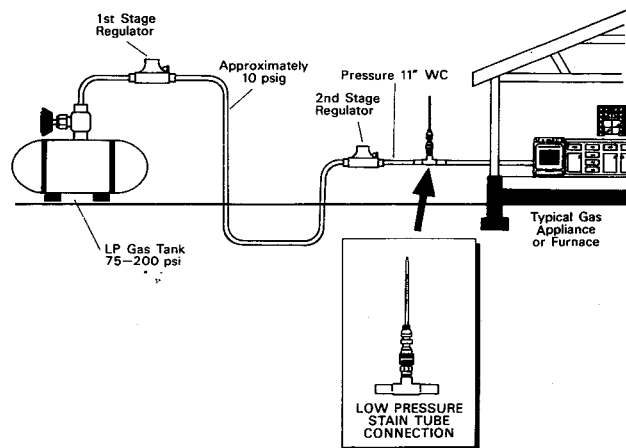
DETECTION PRINCIPLE:

Ethyl Mercaptan reacts with mercuric chloride to liberate hydrogen chloride which discolors the indicator to red.



INTERFERENCES:

The 72P tube has no interferents when used in LP-Gas meeting GPA Specifications.



Manufacturer : Gastec Corporation,
6431 Fukaya, Ayase-City, 252, JAPAN

92H-72P-1
Printed in Japan