

# PRODUCT GUIDE EXTERNAL EXHAUST VALVE

## EXTERNAL EXHAUST VALVE G3 SERIES

- Model G3-ME
- Model G3-M



■ G3-ME

### ■ Feature 1

The specially designed air operated valve prevents the occurrence of a leak, small volume change, or temperature change that could cause leak test errors.

### ■ Feature 2

The sliding part and the detection circuit are designed to be separated from each other to prevent the exhaust valve from malfunctioning due to dust. The ports to be connected to the tested part and the master are provided with a specially designed filter.

### ■ Feature 3

The availability of a large flow rate minimizes the effect on the pressurizing time and exhausting time for the tested part.

### ■ Feature 4

The integrated structure enables air to be exhausted simultaneously on the tested part and master sides.

The pilot pressure is controlled with an air leak tester that supports the external exhaust valve.

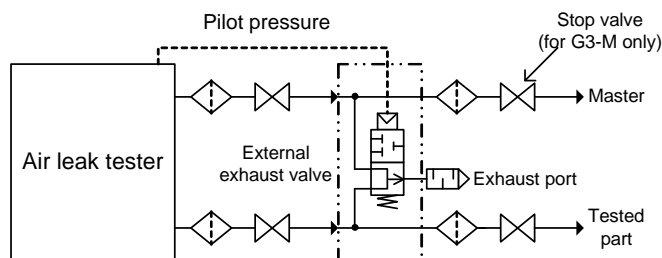
The external exhaust valve is attached to the line between the leak tester and a tested part in order to exhaust air after a leak test is finished. It keeps foreign materials, such as water, oil, or dust, in the tested part and line from entering into the tester, thus preventing malfunction and quality degradation. Use of the external exhaust valve is especially recommended for a tester that uses air leak testing in combination with water submersion visual inspection

(\* The ingress of foreign materials may not be able to be prevented under some operating conditions.)

### ■ Specifications (G3-ME/G3-M)

|                           |   |
|---------------------------|---|
| Operating pressure (Max.) | 800 kPa   |
| Withstand voltage         | 1.0 MPa   |
| Connection diameter       | Rc1/4   |
| Pilot pressure            | 400 to 700 kPa<br>(Supplied from the leak tester)               |
| Accessory                 | Tube for pilot pressure<br>Outside diameter: 4 mm, length: 3 m  |
| Dimensions                | W116 L110 H100 mm<br>Including fixing bracket and parts         |
| Applicable leak tester    | Leak tester for low and medium pressure external exhaust valves |

### ■ Pneumatic Circuit System Diagram



\* Use a tube for the pilot pressure that is no more than 3 m, otherwise a malfunction may occur.

\* The installation location should be as near to the tested part as possible, and lower than the location of the leak tester. The valve should be installed horizontally.

\* For details, see the operation manual of the air tester.



### ■ G3-M

- The G3-M is equipped with a stop valve, so a leak check is easy.
- A fixing bracket is included.

\* The content of this product information is as of May 2014. The specification is subject to change without prior notice.