

GA-YQ2 Air-Liquid Isolator

The GA-YQ2 Gas–Liquid Isolator is an accessory designed for pneumatic pressure gauges and gas pressure calibration systems. It uses an internal diaphragm structure to effectively isolate liquid and gas media. When installed on a gas pressure calibration bench, this Isolator protects calibration equipment from contamination caused by oil, moisture, and other non-gaseous media, ensuring stable performance and long-term reliability.

Features

- ✓ Internal diaphragm structure for effective gas–liquid isolation
- ✓ Compact and robust mechanical design
- ✓ High pressure resistance up to 6 MPa
- ✓ Easy installation and operation
- ✓ Suitable for long-term industrial and laboratory use
- ✓ Helps reduce maintenance costs and downtime

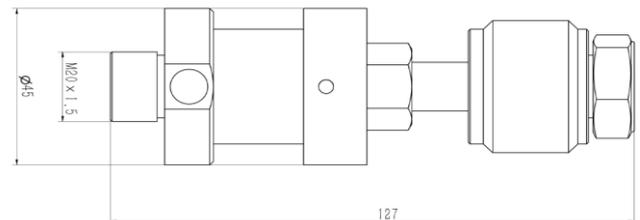


Application

- ✓ Designed for gas pressure calibration benches when testing oil-filled or liquid-contaminated pressure gauges
- ✓ Prevents liquid media from entering pneumatic systems
- ✓ Protects calibration equipment from pollution and corrosion
- ✓ Improves system cleanliness and service life
- ✓ Supports stable and reliable pressure measurement

Specifications

Measuring Range: 0 – 6 MPa
Port In Connection: M20 × 1.5 Male
Port Out Connection: M20 × 1.5 Female
Weight: Approx. 1 kg
Dimensions: Ø45 mm × 127 mm
Operating Temperature: +10 °C to +110 °C
Working Medium: Gas (with liquid isolation)
Isolation Method: Diaphragm separation



Installation

Install the lower external thread of the Isolator onto a qualified calibration bench connector.

Mount the pressure gauge to be tested onto the upper port.

Tighten the connection clockwise for 5–6 turns by hand only. (Do not use wrenches or other tool, hand-tightening is sufficient to withstand up to 6 MPa.)

After installation, proceed with calibration according to standard procedures.

After Use

Remove the Isolator after operation, wipe and clean the external surface, store in a dry and clean environment.

Maintenance and Cleaning

Blow and clean the Isolator before use to remove dust or particles.

Regularly inspect the connection ports and diaphragm area.

Remove oil, moisture, or residues promptly.

Keep the internal air path clean to maintain performance.

Cautions

Clean the Isolator before each use to prevent contaminants from entering the calibration system.

Do not exceed the maximum working pressure of 6 MPa.

Avoid using tools for tightening to prevent thread damage.

Do not use incompatible or corrosive media.

Store away from high humidity and direct sunlight.