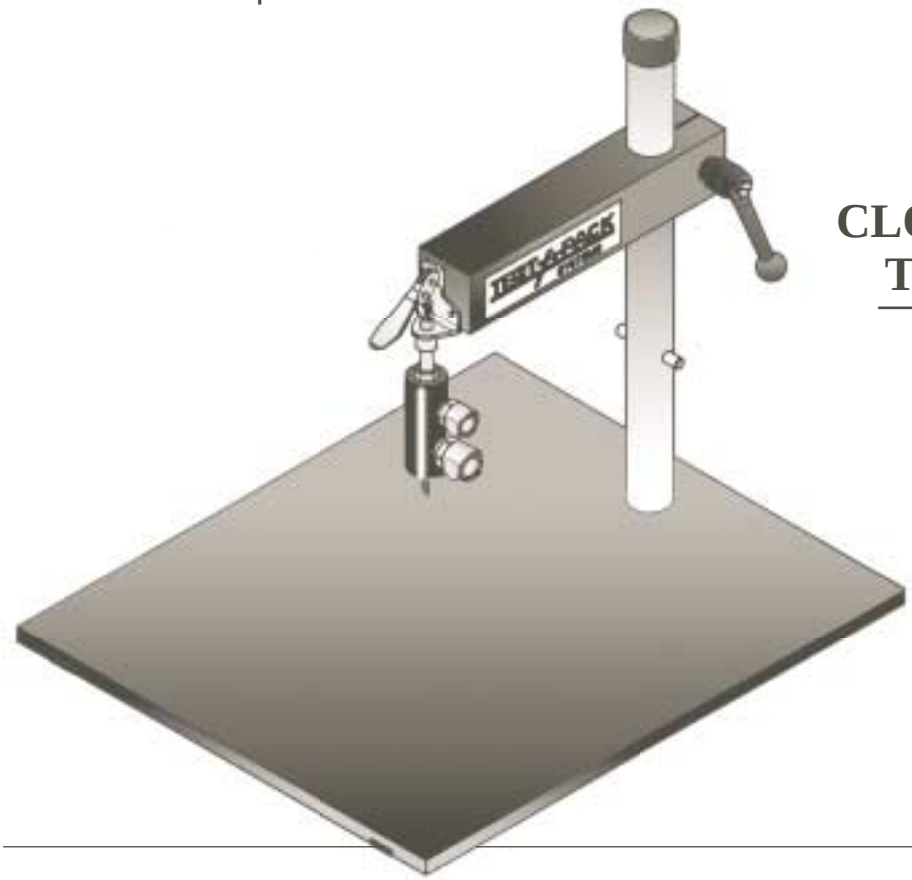
OPERATOR'S MANUAL

Installation & Operation

TEST-A-PACK SYSTEMS



CLOSED PACKAGE TEST FIXTURE

F100-1320-4
F100-1320-5
F100-1320-6

The Closed Package Test Fixture is used with Test-A-Pack Automatic Control Console models F100-1380, F100-2500 and F100-2600. The Closed Package Test Fixture provides a quick and convenient method to retain and test sealed porous or non-porous pouches, lidded trays and containers. Two standard needle assemblies are available. The 3/16 inch diameter single needle assembly is used to test medium to large packages and double needle assembly is used to test smaller packages.

CAUTION:
Read and follow all safety precautions and instructions before operating this equipment.

CARLETON

WARNING:

- ☑ Use eye and ear protection while operating the Closed Package Test Fixture.
- ☑ Packages and/or package contents can become airborne projectiles during testing. Personnel must take adequate safety precautions.
- ☑ Inflation needles are extremely sharp. Use caution during set-up and test to avoid injury to hands and fingers.
- ☑ Air pressure must be off during system installation.

CAUTION:

The Closed Package Test Fixture and the Automatic Control Console require an instrument quality dry air supply. The use of contaminated air may damage internal components, degrade performance and void warranty.

Refer to Figure 1.

INSTALLATION:

- A Install the 3/8" tube **(1)** from the outlet pressure port **(Port 2)** on the Automatic Control Console **(2)** into the Closed Package Test Fixture's pressure port connector **(5)**.
- B Install 1/4" tube **(4)** from the sensing pressure port **(Port 3)** on the Automatic Control Console **(2)** into the test fixture's sensing port connector **(3)**.
- C Attach a source of clean dry air (70 PSI Min. to 100 PSI Max.) to the 1/4" NPT Air Inlet Port **(Port 1)** of the Automatic Control Console.

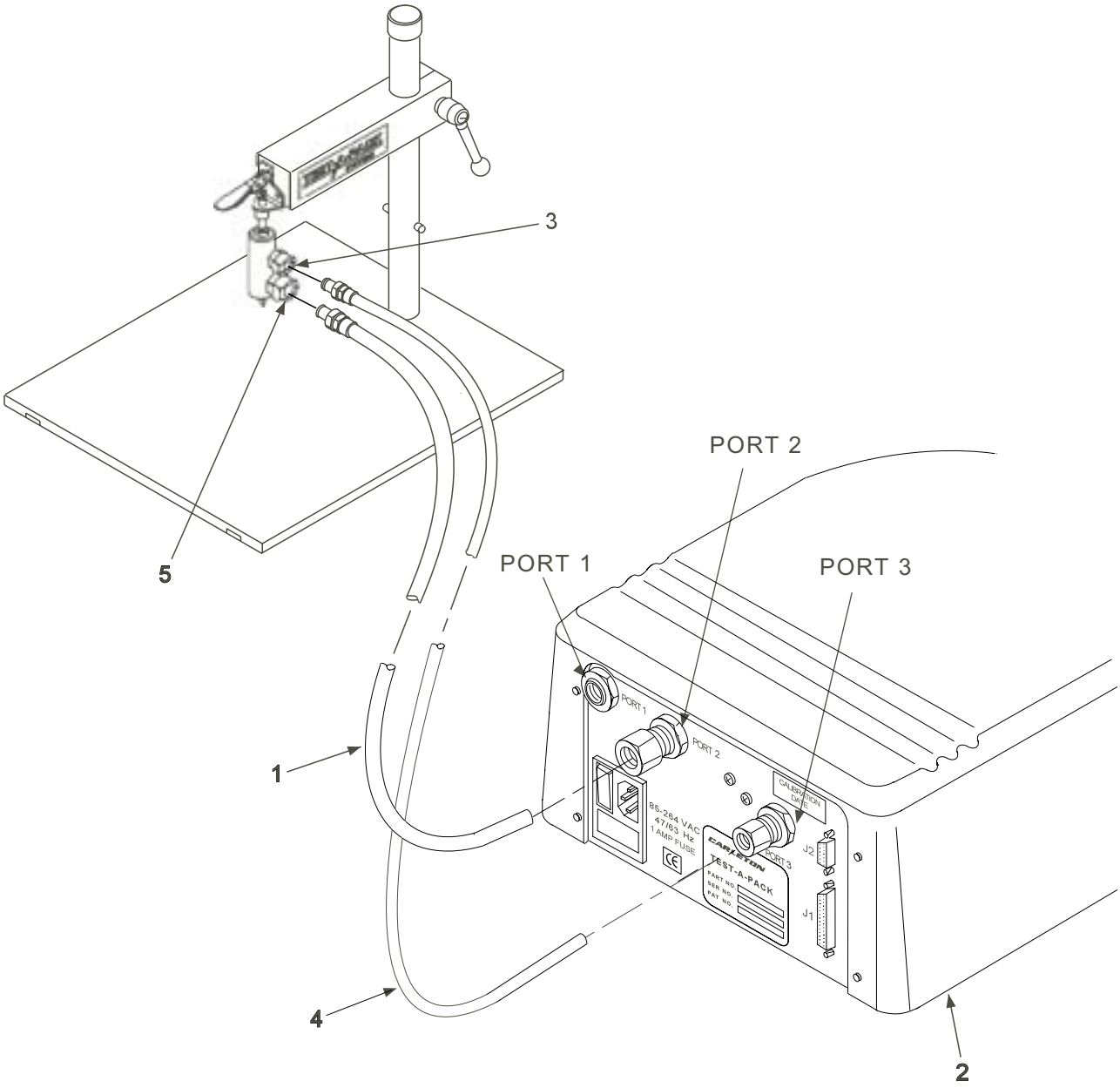
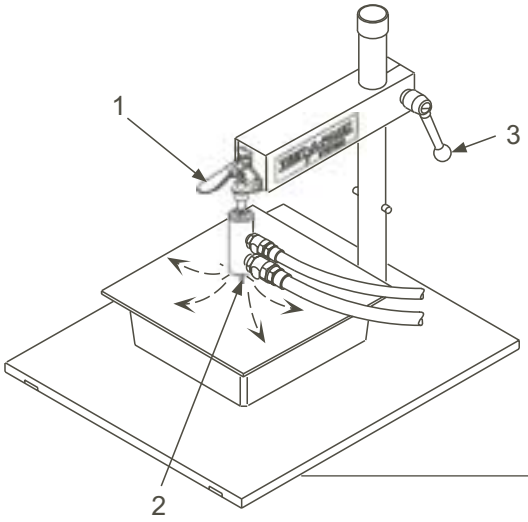


Figure 1. Closed Package Test Fixture Hookup

OPERATION: **Closed Packages (Rigid)**

1. Verify that locking mechanism's lever **(1)** is in the up position.
2. Position the closed package to be tested beneath the probe **(2)** and adjust vertical height **(3)** as required.
3. Engage the locking mechanism.



Note:

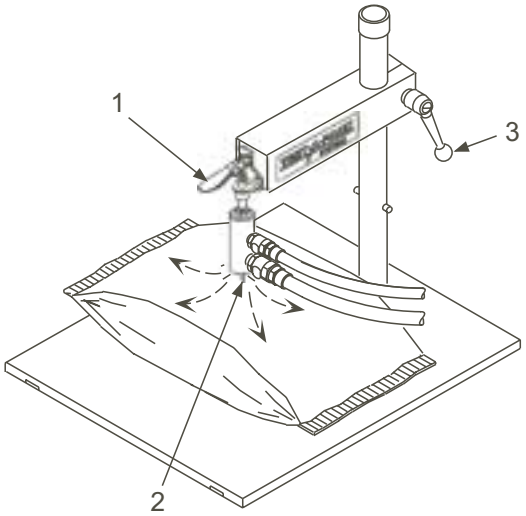
It may be necessary to experiment with the height adjustment, while applying pressure, to obtain the optimum position. For unrestrained testing, the height should be adjusted so that the bottom of the needle manifold is in contact with, but not deforming the package at its full expansion.

WARNING:

Use caution when handling inflation needles to avoid personal injury.

Closed Packages (Soft)

1. Set locking mechanism **(1)** in the down position.
2. Position the soft package to be tested beneath the probe **(2)** and adjust vertical height **(3)** until probe touches the package.
3. Move the package upward until the probe penetrates the package and hold position until pressure is applied.



Note:

It may be necessary to experiment with the height adjustment, while applying pressure, to obtain the optimum position. For unrestrained testing, the height should be adjusted so that the bottom of the needle manifold is in contact with, but not deforming the package at its full expansion. To prevent certain packages from tearing, it may be necessary to place masking tape over area of penetration.

WARNING:

Use caution when handling inflation needles to avoid personal injury.