

Type-Z Purge Intrinsically Safe Bath Option

The Z-Purge is recommended for labs working with flammable materials. The Z-Purge explosion protection is achieved by injecting a small flow of nitrogen gas into the bath case to create a positive pressure gradient. As the nitrogen leaks out the bath is continually purged.

A. Gauge and Housing

B. Lock Washer

C. Screw

D. Gas Inlet Fitting

E. 1/4 inch Bulkhead Nut

F. White Silicone Tube

G. Compression Nut

H. 1/8 inch Bulkhead Nut

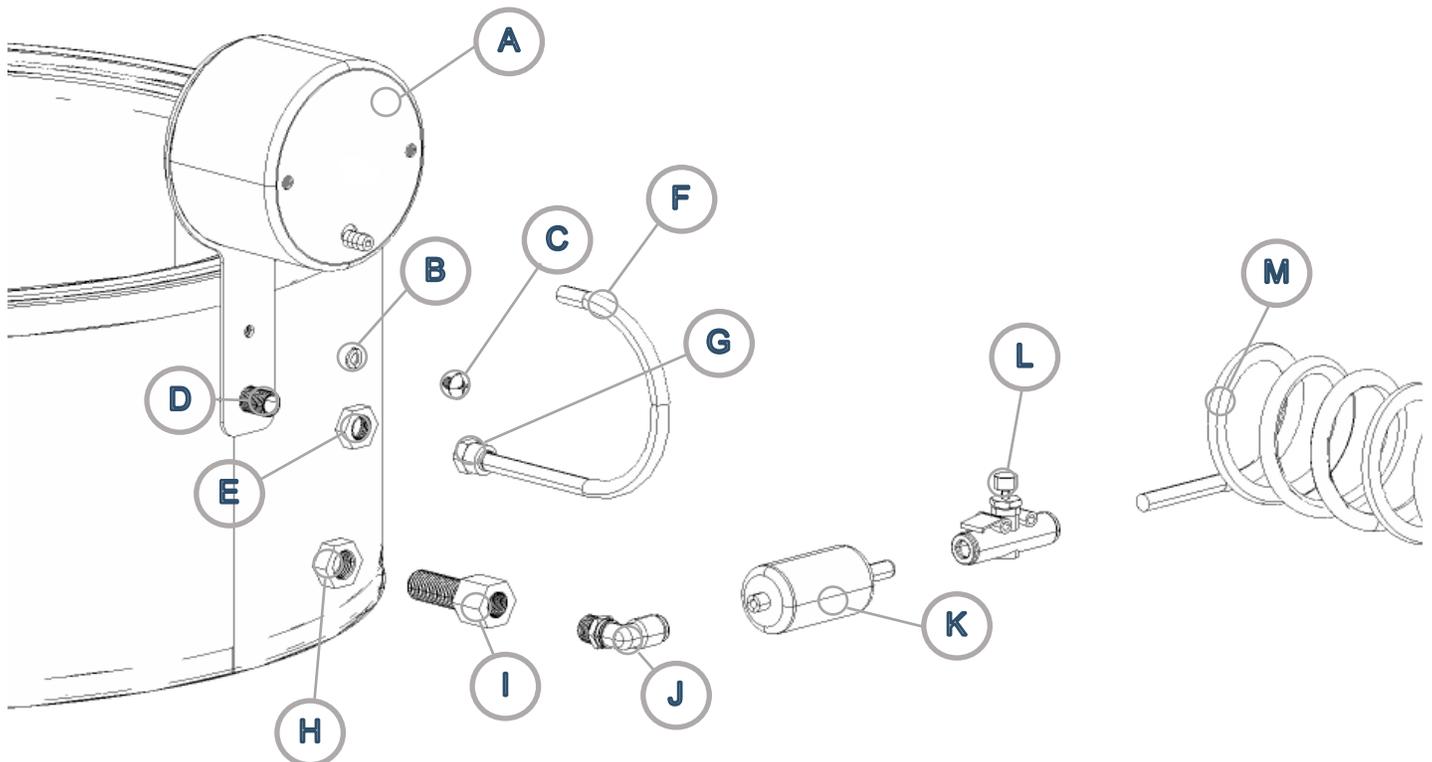
I. 1/8 inch Bulkhead Fitting

J. Elbow fitting

K. Filter

L. Control Valve

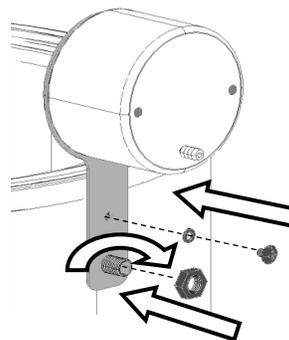
M. Source Tube



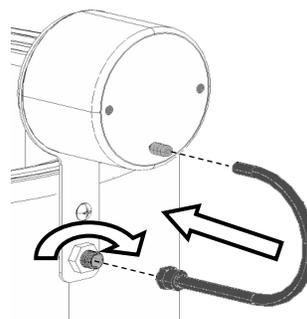
A. Attach the Z-Purge Gauge assembly to the back of the bath.

Thread the 1/4 inch bulkhead nut onto the gas inlet.

Tighten the 1/4 inch screw through the upper hole with a lock washer between the screw



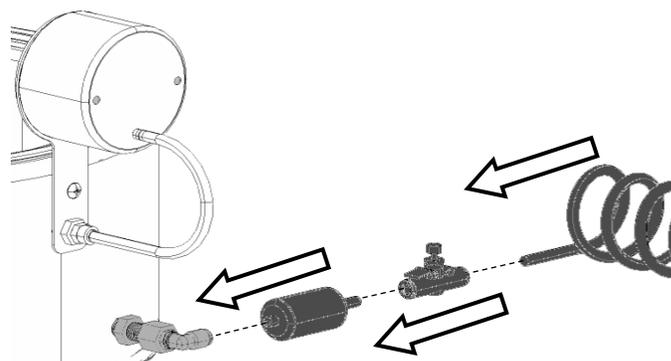
B. Connect the small white silicone tube attached to the gauge to the gas inlet fitting using the compression nut provided.



C. Attach the filter and control valve to the plastic elbow fitting located at the base of the bath.

Insert the filter into the fitting and tighten the nut.

Connect the tube to the control valve and a clean gas source.



D. Test the system by turning on the gas flow to the Z Purge System.

Adjust the gas flow using control valve [L] until the gauge reads 0.1 inches water pressure.

Z-Purge Bath Operation -

- A. Turn on the gas flow to the Z-Purge System.
- B. Adjust flow to 0.5 inches water pressure.
- C. Purge bath for 10 minutes.
- D. Adjust gas flow to 0.1 inches water pressure.

WARNING - If this unit is located in a hazardous area where volatile fumes are present, the Z-Purge System must be activated for a minimum of 10 minutes prior to activation of bath power. Please review the Safety and Operations sections.