

# \*\*\*INSTALLATION VARIATION\*\*\* INTERNAL VERSUS EXTERNAL PILOT FLOW



BASO Gas Products LLC

Installation Instructions  
Issue Date

H15 Connection  
March 7, 2019

## H15 Series BASO® Internal Versus External Gas Valve Pilot Gas Connections

### Installation

#### ATTENTION

The difference between BASO Gas Products Model H15 Internal and External Pilot Flow is a critical safety issue that must be understood by all those that may be involved with these models.

BASO Gas Products is concerned that some field purchasing agents, sales representatives or installation technicians may not be aware of the difference between a H15 Internal Pilot Gas Model and a H15 External Pilot Gas Valve Model. Recently, BASO Gas Products has received RMA returns of Model H15 models with field user complaints such as “gas flows right thru” or “leaks and does not shut off”. In many cases the returned H15 gas valve passes all testing during the BASO Test Lab evaluation. The difference is described in the H15 Series BASO 100% Shutoff Automatic Pilot Valve Installation Instructions that are included with every H15 shipped by BASO Gas Products as follows;



#### **WARNING: Risk of Explosion or Fire.**

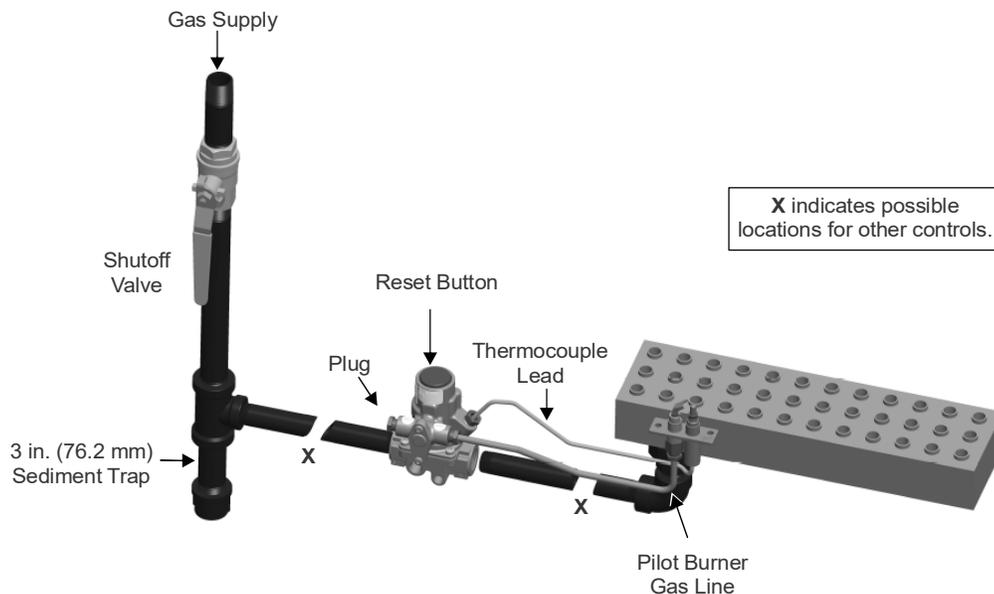
Never connect an external gas line to an internal pilot gas model. Pilot gas would flow freely in one port and out the other, which can lead to an explosion or fire, and may result in severe personal injury or death.

#### Internal Pilot Gas Connections

**Internal Pilot Gas Valve Models** receive pilot gas internally from the valve body.

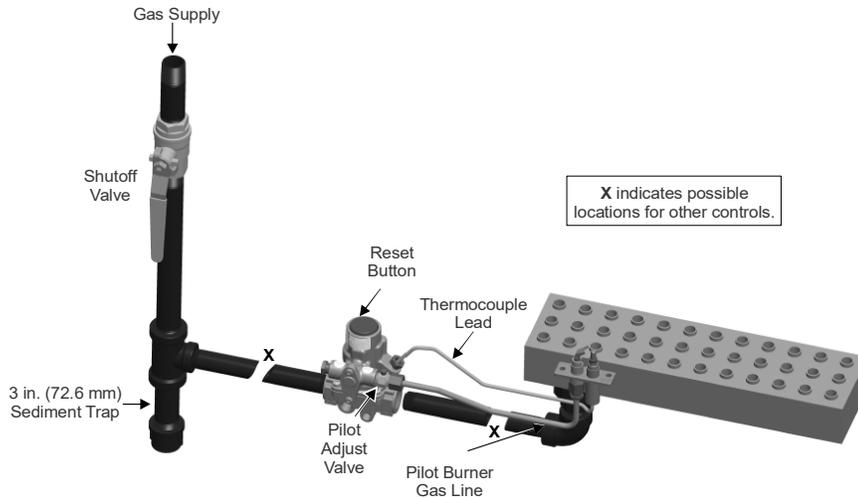
**Note:** Pilot gas flow comes out of either gas valve top housing ports.

On internal pilot gas valve models, plumb the pilot burner fitting to either of the pilot gas ports on the valve. Plug the unused pilot gas port on the gas valve. See Figures 1 and 2.



**Figure 1: Typical Installation of an H15 Valve with Internal Pilot Gas Flow (Models H15\_A and H15\_B)**

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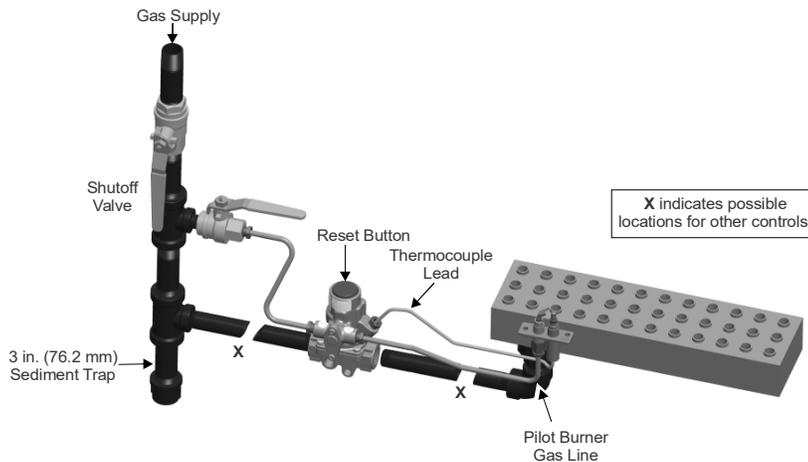
**Figure 2: Typical Installation of an H15 Valve with Internal Pilot Gas Flow and Pilot Adjust Valve (Models H15\_H)**

### External Pilot Gas Connections

**External Pilot Gas Valve Models** receive pilot gas from an external gas source.

**Note:** Pilot gas flow through the gas valve top housing can be in either direction as indicated by the arrows.

- a. On external pilot gas valves models, plumb the pilot gas line from an external gas source to either pilot gas port on the gas valve. Plumb the other pilot gas port to the pilot burner fitting. See Figure 3.



**Figure 3: Typical Installation of an H15 Valve with External Pilot Gas Flow (Models H15\_Q and H15\_R)**

450 East Horseshoe Road  
 PO Box 170  
 Watertown, WI 53094  
 1-877-227-6427 (1-877-BASOGAS)

[www.baso.com](http://www.baso.com)  
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