# *Low Pressure Second Stage Regulators*

## LV4403B Series

### Application

Designed to reduce first stage pressure of 5 to 20 PSIG down to burner pressure, normally 11" w.c. Ideal for medium commercial installations, multiple cylinder installations and normal domestic loads.

### Features

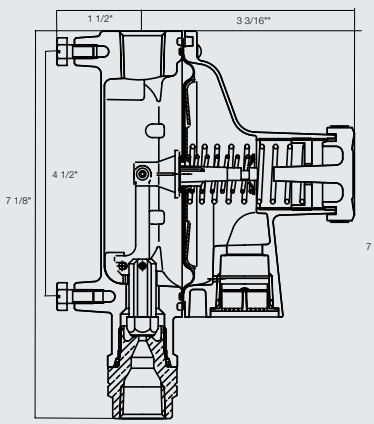
- Large vent helps prevent blockage and has ¾" F.NPT for vent piping.
- With 15 PSIG inlet pressure, regulator is designed to not pass more than 2 PSIG with the seat disc removed.
- Incorporates integral relief valves.
- Replaceable valve orifice and valve seat disc.
- Straight line valve closure reduces wear on seat disc.
- Unique bonnet vent profile minimizes vent freeze over when properly installed.
- Large molded diaphragm is extra sensitive to pressure changes.
- Built in pressure tap has plugged ⅛" F.NPT outlet. Plug can be removed with a 3⁄16" hex allen wrench.
- Select brown finish.

### Materials

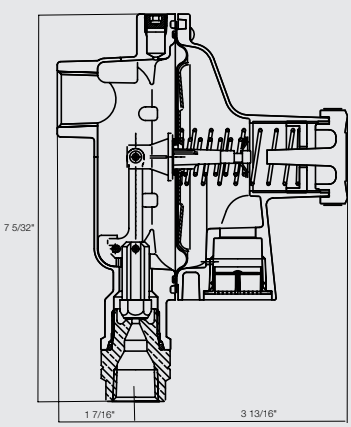
Body ..... Die Cast Zinc
Bonnet ..... Die Cast Zinc
Nozzle Orifice ..... Brass
Spring ..... Steel
Valve Seat Disc ..... Resilient Rubber
Diaphragm ..... Integrated Fabric and Synthetic Rubber

### Backmount Design

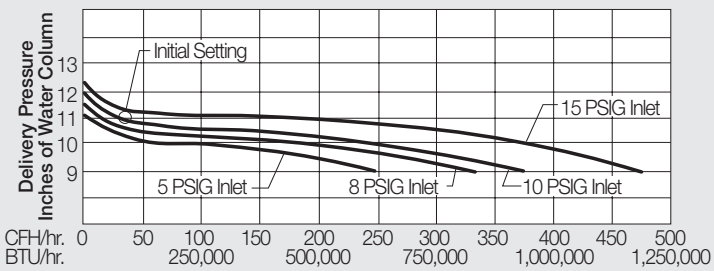
Mounts directly to house line piping. Eliminates need for union joints, elbows, and mounting brackets. Quick and easy to install.




LV4403B




LV4403BR




### Ordering Information

| Part Number | Inlet Connection | Outlet Connection | Orifice Size | Factory Delivery Pressure | Adjustment Range | Bonnet Vent Position | Vapor Capacity BTU/hr. Propane** |
|---|---|---|---|---|---|---|---|
| LV4403B4 | ½" F. NPT | ½" F. NPT | #28 Drill | 11" w.c. at 10 PSIG Inlet | 9" to 13" w.c. | Over Inlet | 935,000 |
| LV4403B46 | | ¾" F. NPT | | | | | |
| LV4403B46R* | | | | | | | |
| LV4403B66 | ¾" F. NPT | | | | | | |
| LV4403B66R* | | | | | | | |

* Backmount design.

** Maximum flow based on 10 PSIG inlet and 9" w.c. delivery pressure.

LV4403B66RA Series

### Application

Designed to reduce first stage pressure of 5 to 20 PSIG down to appliance pressure, normally 11" w.c. Ideal for medium commercial installations, vapor meter installations and normal domestic loads.

### Features

- 90 degree right angle inlet to outlet connection for meter or standard installations.
- Large vent helps prevent blockage and has ¾" F.NPT for vent piping.
- With 15 PSIG inlet pressure, regulator is designed to not pass more than 2 PSIG with the seat disc removed.
- Replaceable valve orifice and valve seat disc.
- Straight line valve closure reduces wear on seat disc.
- Unique bonnet vent profile minimizes vent freeze over when properly installed.
- Large molded diaphragm is extra sensitive to pressure changes.
- Built in pressure tap has plugged ⅛" F.NPT outlet. Plug can be removed with a 3/16" hex allen wrench.
- Select brown finish.

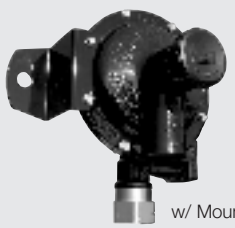
### Materials

Body ..... Die Cast Aluminum
Bonnet ..... Die Cast Zinc
Nozzle Orifice ..... Brass
Spring ..... Steel
Valve Seat Disc ..... Resilient Rubber
Diaphragm ..... Integrated Fabric and Synthetic Rubber

### Right Angle Design

Can mount directly to a vapor meter. It is also suitable for mounting directly to the house piping. It will retrofit into exsisting installations that are currently using a 90 degree, right angle regulator.

Attached to Vapor Meter



w/ Mounting Bracket

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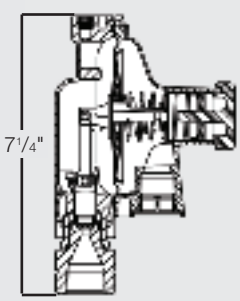
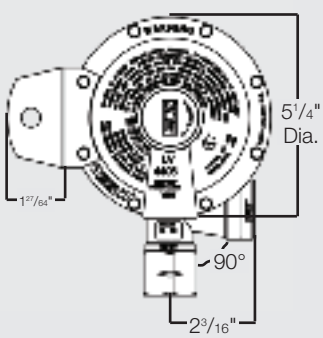
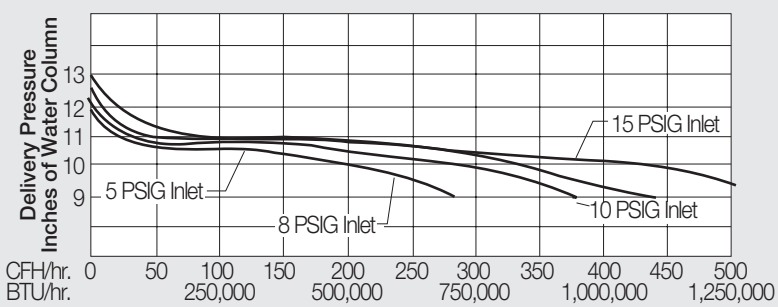


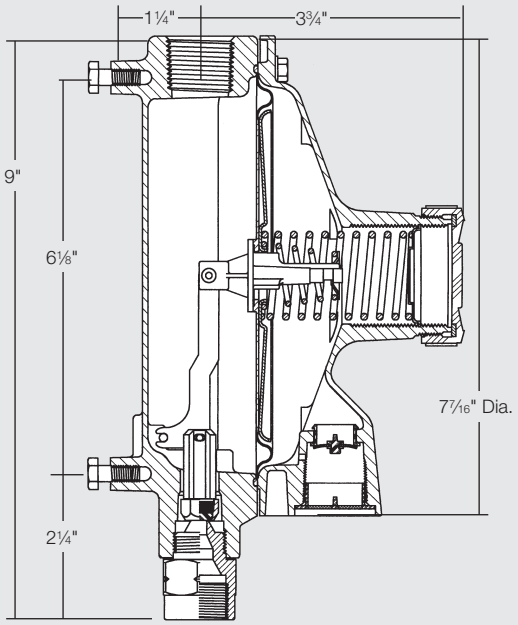

### Ordering Information

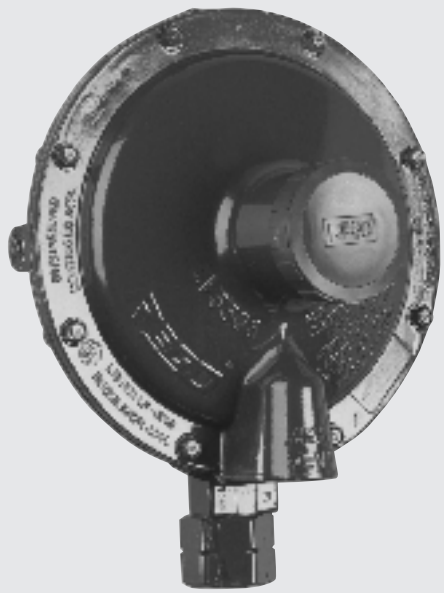
| Part Number | Inlet Connection | Outlet Connection | Orifice Size | Factory Delivery Pressure | Adjustment Range | Bonnet Vent Position | Vapor Capacity BTU/hr. Propane* |
|---|---|---|---|---|---|---|---|
| LV4403B66RA | 3/4" F. NPT | 3/4" F. NPT | 3/16" | 11" w.c. at 10 PSIG Inlet | 9" to 13" w.c. | Over Inlet | 1,000,000 |
| LV4403B66RAB** | | | | | | | |

* Maximum flow is based on 10 PSIG inlet and 9" w.c. delivery pressure.
**** Mounting Bracket Included.**

# Low Pressure Second Stage Regulators

LV5503B Series



## Application

Designed to reduce first stage pressure of 5 to 20 PSIG down to burner pressure,normally 11" w.c. Ideal for larger commercial and industrial applications, multiple cylinder installations and large domestic systems.

## Features

- Incorporates integral relief valve.
- With 15 PSIG inlet pressure, regulator is designed to not pass more than 2 PSIG with the seat disc removed.
- Replaceable valve orifice and valve seat disc.
- Straight line valve closure saves wear on seat disc and orifice.
- Built in pressure tap has plugged ⅛" F.NPT outlet. Plug can be removed with a ³⁄₁₆" hex allen wrench.
- Large bonnet vent profile minimizes vent freeze over when properly installed.
- Extra long lever arm for uniform delivery pressure.
- Large diaphragm is extra sensitive to pressure changes.

## Materials

| | |
|---|---|
| Body | Die Cast Aluminum |
| Bonnet | Die Cast Aluminum |
| Nozzle Orifice | Brass |
| Spring | Steel |
| Valve Seat Disc | Resilient Rubber |
| Diaphragm | Integrated Fabric and Synthetic Rubber |

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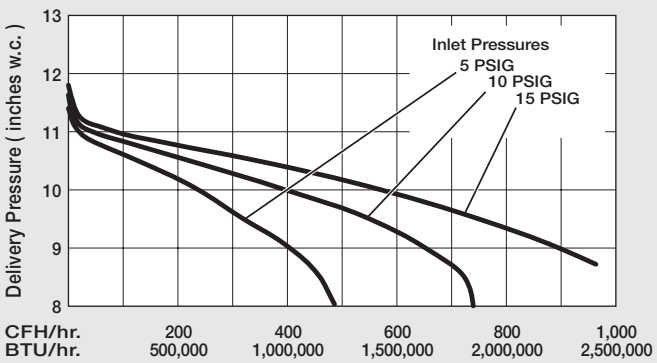
## Ordering Information

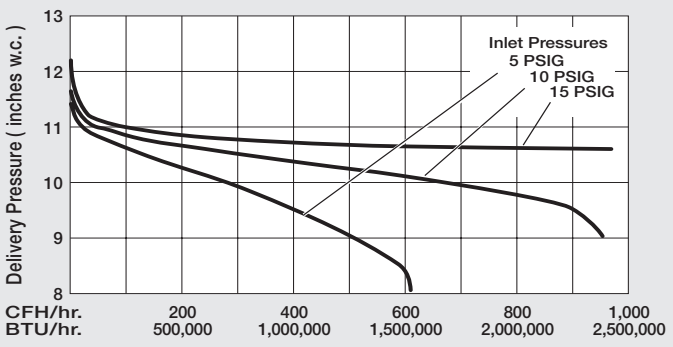
| Part Number | Inlet Connection | Outlet Connection | Orifice Size | Factory Delivery Pressure | Adjustment Range | Bonnet Vent Position | Vapor Capacity BTU/hr. Propane* |
|---|---|---|---|---|---|---|---|
| LV5503B4 | ½" F. NPT | ¾" F. NPT | ¼" | 11" w.c. at 10 PSIG Inlet | 9" - 13" w.c. | Over Inlet | 1,600,000 |
| LV5503B6 | ¾" F. NPT | | | | | | |
| LV5503B8 | | 1" F. NPT | ⁹⁄₃₂" | | | | 2,300,000 |

* Maximum flow is based on 10 PSIG inlet and 9" w.c. delivery pressure.

### LV5503B4, LV5503B6




### LV5503B8



# *Low Pressure Second Stage Tobacco Barn Regulator*

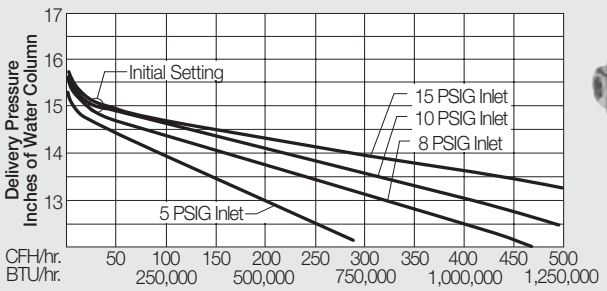
## LV5503G4 Series

### Application

Especially developed for drying barns in the tobacco industry. The LV5503G4 regulator will supply a steady and constant flow of fuel to as many as 12 to 20 burners throughout the barn.

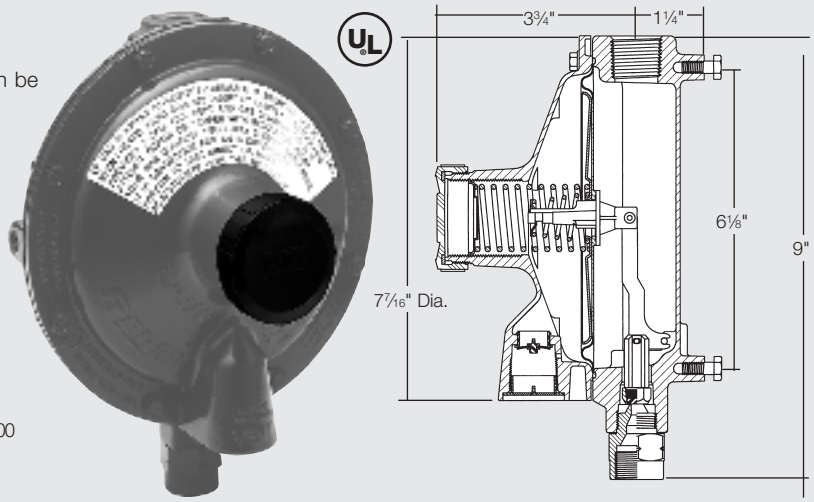
### Features

- Similar to construction of the LV5503B Series. Provides the same stability, low lock-up, and sensitive performance.
- Equipped with integral relief valve.
- Built in pressure tap has plugged 1/8" F.NPT outlet. Plug can be removed with a 3/16" hex allen wrench.
- Distinctive yellow finish.




### Materials

Body . . . . . Die Cast Aluminum
Bonnet . . . . . Die Cast Aluminum
Nozzle Orifice . . . . . Brass
Spring . . . . . Steel
Valve Seat Disc . . . . . Resilient Rubber
Diaphragm . . . . . Integrated Fabric and Synthetic Rubber



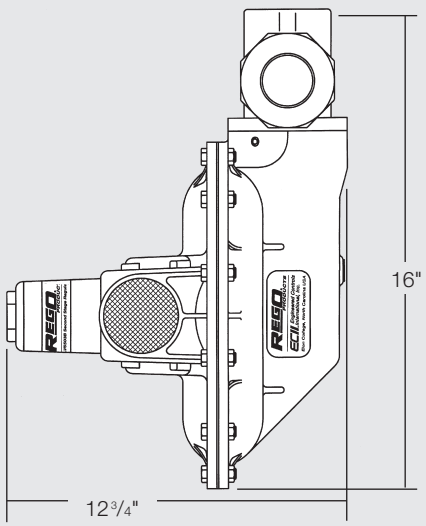

### Ordering Information

| Part Number | Inlet Connection | Outlet Connection | Orifice Size | Factory Delivery Pressure | Adjustment Range | Bonnet Vent Position | Vapor Capacity BTU/hr. Propane* |
|---|---|---|---|---|---|---|---|
| **LV5503G4** | ½" F. NPT | ¾" F. NPT | ¼" | 15" w.c. at 15 PSIG Inlet | 8" - 18" w.c. | Above Inlet | 1,750,000 |

* Maximum flow is based on 15 PSIG inlet and 13" w.c. delivery pressure.

# *Large Capacity Second Stage Regulators*

## LV6503B Series




### Application

These regulators are designed to reduce gas pressure from the first stage regulator down to appliance pressure, normally 11" w.c. They are for use in LP-Gas applications.

### Features

- Tee style inlet and outlet connections – made from ductile iron.
- Incorporate integral large 2" F.NPT relief vents.
- Built in pressure taps for both inlet and outlet pressure.
- Full capacity relief at 10 psig inlet will keep the down stream pressure at less than 2 PSIG per NFPA 58.

### Materials

Inlet Body . . . . . Ductile Iron
Body . . . . . Cast Aluminum
Bonnet . . . . . Cast Aluminum

### Ordering Information

| Part Number | Inlet Connection | Outlet Connection | Orifice Size | Factory Delivery Pressure | Adjustment Range | Vapor Capacity BTU/hr. Propane* |
|---|---|---|---|---|---|---|
| **LV6503B14** | 1½" F. NPT | 1½" F. NPT | 5/8" | 11" w.c. at 10 PSIG Inlet | 8½" to 14" w.c. | 8,000,000 |
| **LV6503B16** | 2" F. NPT | 2" F. NPT | | | | 9,750,000 |

* Maximum flow is based on 10 PSIG inlet and a 20% droop.