

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

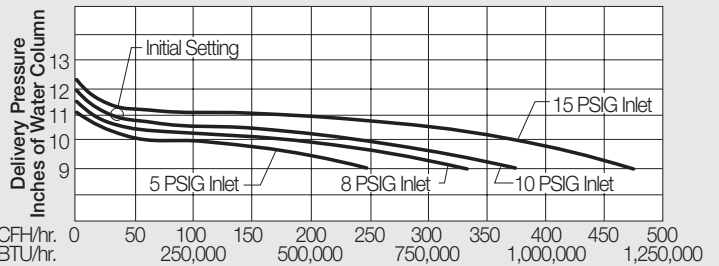
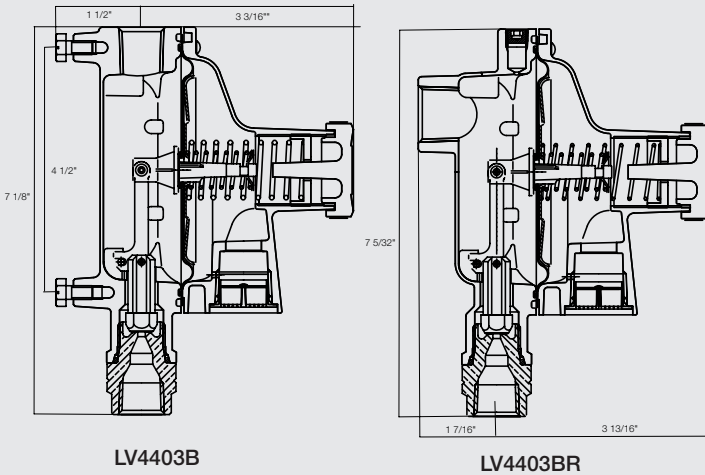
- Large vent helps prevent blockage and has 3/4" F.NPT for vent piping.
- With 15 PSIG inlet pressure, regulator is designed to not pass more than 2 PSIG with the seat disc removed.
- Incorporates integral relief valves.
- Replaceable valve orifice and valve seat disc.
- Straight line valve closure reduces 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 1/8" 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.



Ordering Information

Part Number	Inlet Connection	Outlet Connection	Orifice Size	Factory Delivery Pressure	Adjustment Range	Bonnet Vent Position	Vapor Capacity BTU/hr. Propane**
LV4403B4	1/2" F. NPT	1/2" F. NPT	#28 Drill	11" w.c. at 10 PSIG Inlet	9" to 13" w.c.	Over Inlet	935,000
LV4403B46		3/4" F. NPT					
LV4403B46R*							
LV4403B66	3/4" F. NPT	3/4" F. NPT	#28 Drill	11" w.c. at 10 PSIG Inlet	9" to 13" w.c.	Over Inlet	935,000
LV4403B66R*							

* Backmount design.

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

Low Pressure Second Stage Regulators

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

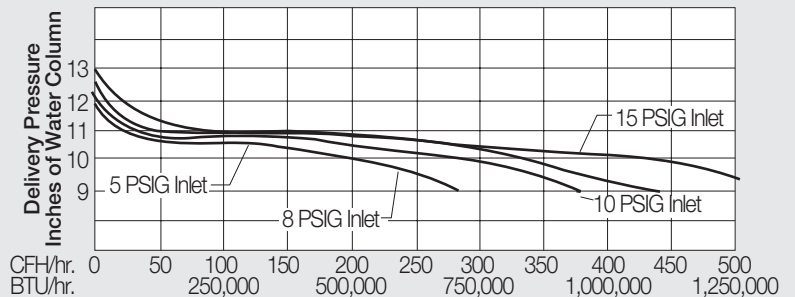
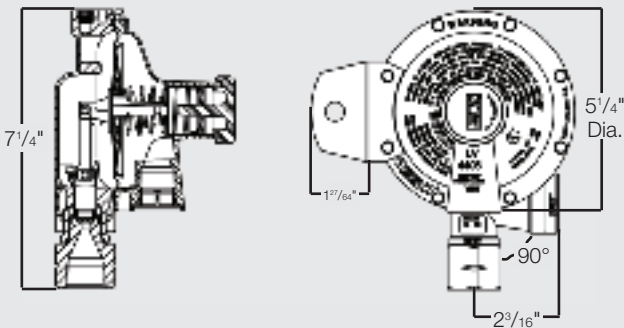
- 90 degree right angle inlet to outlet connection for meter or standard installations.
- Large vent helps prevent blockage and has 3/4" F.NPT for vent piping.
- With 15 PSIG inlet pressure, regulator is designed to not pass more than 2 PSIG with the seat disc removed.
- Replaceable valve orifice and 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 1/8" 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 existing installations that are currently using a 90 degree, right angle regulator.



Ordering Information

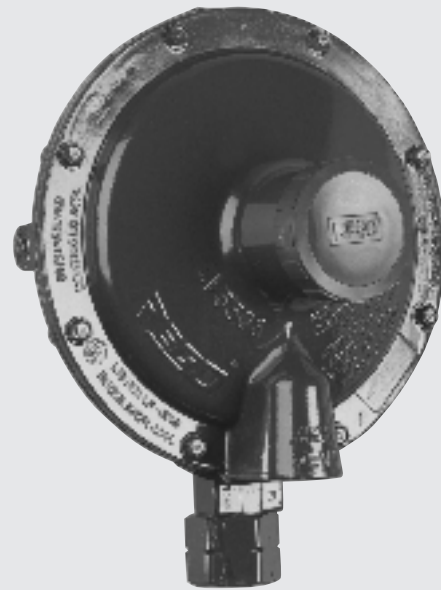
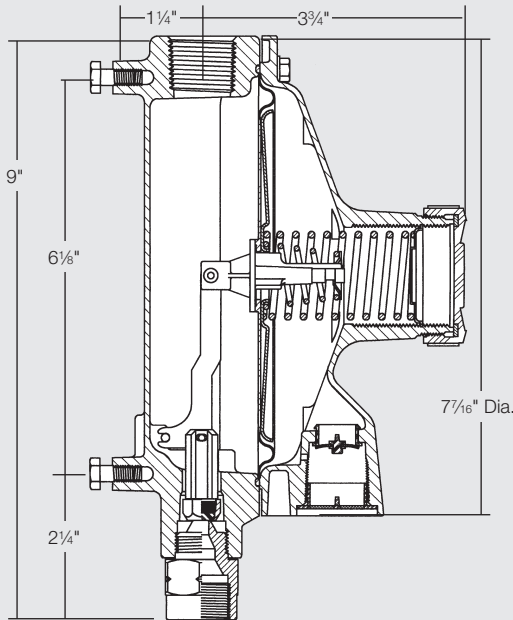
Part Number	Inlet Connection	Outlet Connection	Orifice Size	Factory Delivery Pressure	Adjustment Range	Bonnet Vent Position	Vapor Capacity BTU/hr. Propane*
LV4403B66RA	3/4" F. NPT	3/4" F. NPT	3/16"	11" w.c. at 10 PSIG Inlet	9" to 13" w.c.	Over Inlet	1,000,000
LV4403B66RAB**							

* 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 1/8" 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

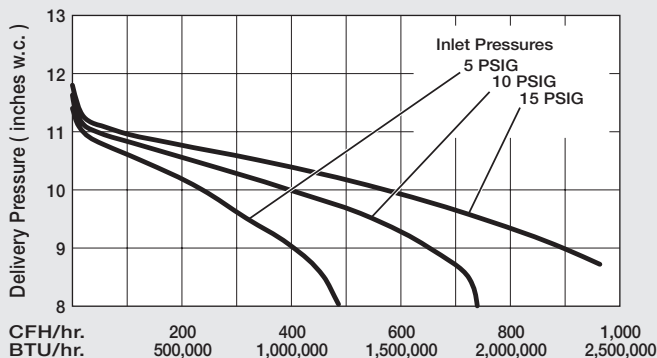
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Ordering Information

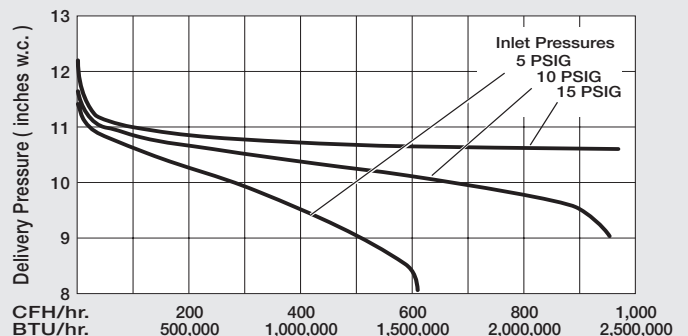
Part Number	Inlet Connection	Outlet Connection	Orifice Size	Factory Delivery Pressure	Adjustment Range	Bonnet Vent Position	Vapor Capacity BTU/hr. Propane*
LV5503B4	1/2" F. NPT	3/4" F. NPT	1/4"	11" w.c. at 10 PSIG Inlet	9" - 13" w.c.	Over Inlet	1,600,000
LV5503B6	3/4" F. NPT						2,300,000
LV5503B8		1" F. NPT	3/32"				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

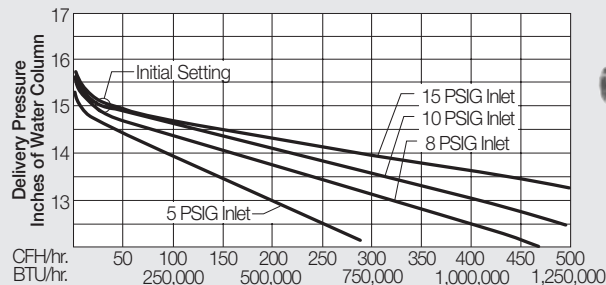
LV5503G4 Series

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.

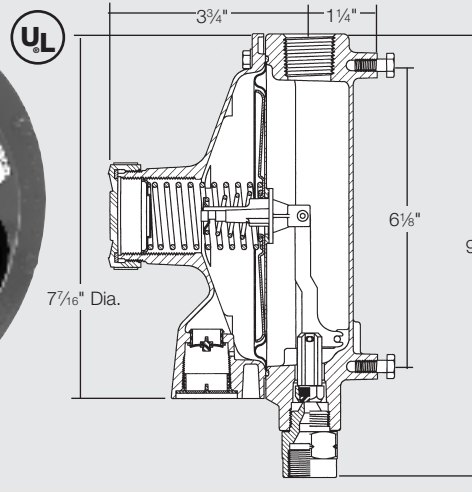
Features

- 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 $\frac{1}{8}$ " F.NPT outlet. Plug can be removed with a $\frac{3}{16}$ " 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



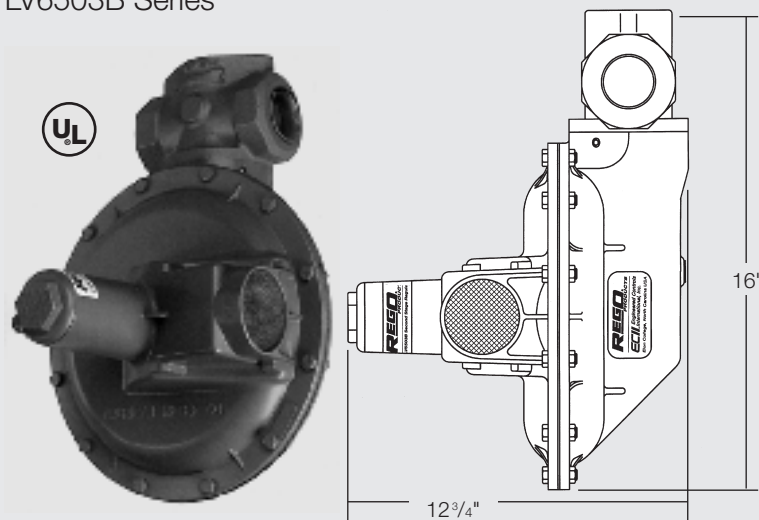
Ordering Information

Part Number	Inlet Connection	Outlet Connection	Orifice Size	Factory Delivery Pressure	Adjustment Range	Bonnet Vent Position	Vapor Capacity BTU/hr. Propane*
LV5503G4	$\frac{1}{2}$ " F. NPT	$\frac{3}{4}$ " F. NPT	$\frac{1}{4}$ "	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	$1\frac{1}{2}$ " F. NPT	$1\frac{1}{2}$ " F. NPT	$\frac{5}{8}$ "	11" w.c. at 10 PSIG Inlet	$8\frac{1}{2}$ " 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.