

# Second Stage Regulators for 2 PSI Systems

## LV4403Y and LV5503Y Series

### Application

Designed to reduce first stage pressure of 10 PSIG down to 2 PSIG. A line pressure regulator is required downstream to reduce the 2 PSIG to a nominal 11" w.c.

### 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 5 PSIG with the seat disc removed.
- Incorporates an integral relief valve.
- 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 blue finish.

### \*Backmount Design

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

### Materials

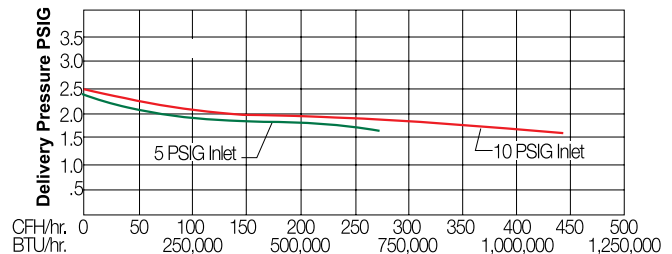
Body (LV4403Y Series)	Die Cast Zinc
Body (LV5503Y Series)	Die Cast Aluminum
Bonnet (LV4403Y Series)	Die Cast Zinc
Bonnet (LV5503Y Series)	Die Cast Aluminum
Nozzle Orifice	Brass
Spring	Steel
Valve Seat Disc	Resilient Rubber
Diaphragm	Integrated Fabric and Synthetic Rubber



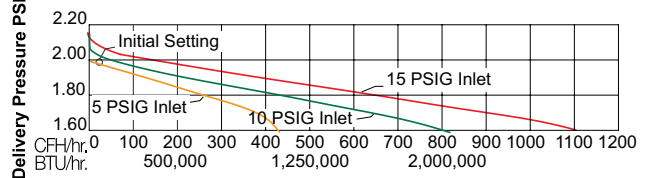
LV4403Y Series

LV5503Y Series

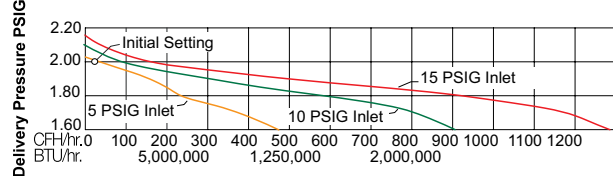
LV4403Y4, LV4403Y46R



LV5503Y6



LV5503Y8



### Ordering Information

Part Number	Inlet Connection	Outlet Connection	Orifice Size	Adjustment Range	Bonnet Vent Position	Vapor Capacity BTU/hr. Propane***
LV4403Y4	1/2" F. NPT	1/2" F. NPT	1/4"	2 PSIG @ 10 PSIG Inlet	Over Inlet	1,000,000
LV4403Y46R*	1/2" F. NPT	3/4" F. NPT	1/4"	2 PSIG @ 10 PSIG Inlet	Over Inlet	1,000,000
LV5503Y6	3/4" F. NPT	3/4" F. NPT	1/4"	2 PSIG @ 10 PSIG Inlet	Over Inlet	2,200,000
LV5503Y8	3/4" F. NPT	1" F. NPT	9/32"	2 PSIG @ 10 PSIG Inlet	Over Inlet	2,200,000

Maximum flow is based on 10 PSIG inlet pressure and 1.5 PSIG delivery pressure.

# Dielectric Second Stage Regulators for 2 PSI Systems LV4403Y3D Series

## Application

Designed to reduce first stage pressure of 10 PSIG down to 2 PSIG. A line pressure regulator is required downstream to reduce the 2 PSIG to a nominal 11" w.c.

RegO Dielectric second stage regulators for 2 PSI systems are engineered to isolate potential electrical current from metallic piping before entering a building. The use of a separate dielectric union is not necessary because the regulator contains a dielectric union as part of the inlet assembly. Available in both SAE Flare and F.NPT inlet connection.

## Features

- F. NPT Dielectric Union is made of Brass with inlet Portion Made of Plated Steel
- M. SAE Flare inlet connection made of solid Brass
- 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 5 PSIG with the seat disc removed.
- Incorporates an integral relief valve.
- 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 blue finish.

## \*Backmount Design

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

## Materials

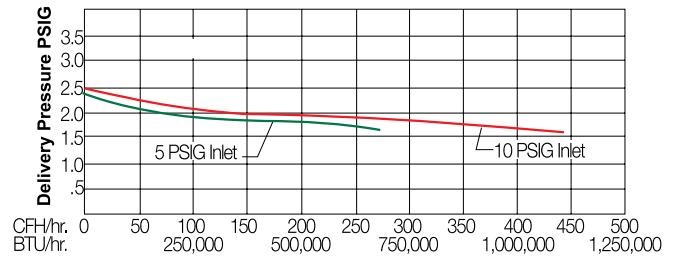
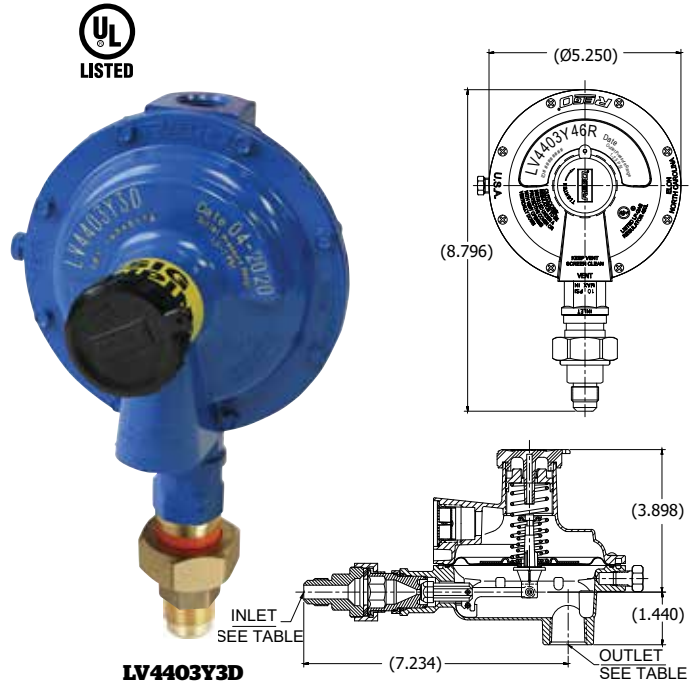
Body .....	Die Cast Zinc
Bonnet .....	Die Cast Zinc
Nozzle Orifice .....	Brass
Spring .....	Steel
Valve Seat Disc .....	Resilient Rubber
Diaphragm .....	Integrated Fabric and Synthetic Rubber
Dielectric Union Body .....	Brass
Dielectric Union Inlet .....	Plated Steel

## Ordering Information

Part Number	Inlet Connection	Outlet Connection	Orifice Size	Adjustment Range	Bonnet Vent Position	Vapor Capacity BTU/hr. Propane**
LV4403Y1D	1/2" M. Flare	1/2" F. NPT	1/4"	2 PSIG @ 10 PSIG Inlet	Over Inlet	1,000,000
LV4403Y3D	3/8" M. Flare					
LV4403Y5D	5/8" M. Flare					
LV4403Y16D	1/2" M. Flare	3/4" F. NPT				
LV4403Y16RD*						
LV4403Y36D						
LV4403Y36RD*	3/8" M. Flare	3/4" F. NPT				
LV4403Y56D						
LV4403Y56RD*	5/8" M. Flare	1/2" F. NPT				
LV4403Y4D						
LV4403Y46D	1/2" F. NPT	3/4" F. NPT				
LV4403Y66D	3/4" F. NPT					
LV4403Y46RD	1/2" F. NPT					
LV4403Y66RD	3/4" F. NPT*					

\* Backmount design

\*\* Maximum flow is based on 10 PSIG inlet pressure and 1.5 PSIG delivery pressure.



# Dielectric Second Stage Regulators for 2 PSI Systems

## LV5503YD Series

### Application

Designed to reduce first stage pressure of 10 PSIG down to 2 PSIG. A line pressure regulator is required downstream to reduce the 2 PSIG to a nominal 11" w.c.

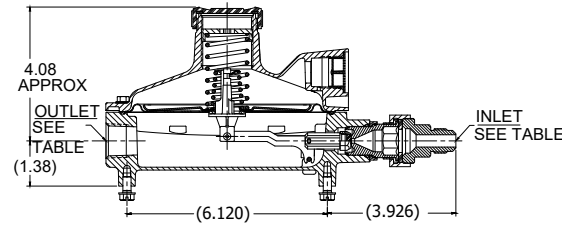
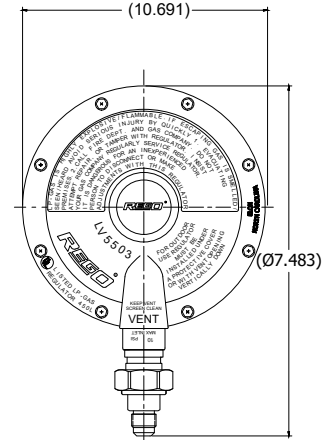
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### Features

- F. NPT Dielectric Union is made of Brass with inlet Portion Made of Plated Steel
- M. SAE Flare inlet connection made of solid Brass
- 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 5 PSIG with the seat disc removed.
- Incorporates an integral relief valve.
- 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 blue finish.



LV5503Y6D



### \*Backmount Design

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

### 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
Dielectric Union Body .....	Brass
Dielectric Union Inlet .....	Plated Steel



### Ordering Information

Part Number	Inlet Connection	Outlet Connection	Orifice Size	Adjustment Range	Bonnet Vent Position	Vapor Capacity BTU/hr. Propane***
LV5503Y16D	1/2" M. Flare	3/4" F.NPT	1/4"	2 PSIG @ 10 PSIG Inlet	Over Inlet	2,200,000
LV5503Y18D		1" F.NPT				
LV5503Y56D	5/8" M. Flare	3/4" F.NPT	9/32"			
LV5503Y58D		1" F.NPT				
LV5503Y46D	1/2" F. NPT	3/4" F.NPT	1/4"			
LV5503Y48D		1" F.NPT				
LV5503Y66D	3/4" F. NPT	3/4" F.NPT	1/4"			
LV5503Y68D		1" F.NPT				

Maximum flow is based on 10 PSIG inlet pressure and 1.5 PSIG delivery pressure.

