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 ¾" 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 ⅛" F.NPT outlet. Plug can be removed with a 3/16" hex allen wrench.
- Select blue finish.
- Temperature Range: -40°F to +165°F

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

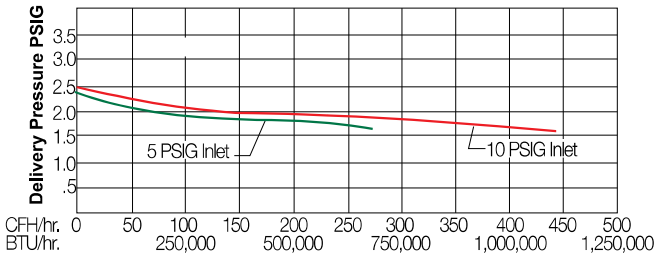
Materials
Body (LV4403Y Series) ..... Die Cast Zinc
Body (LV5503Y Series ..... Die Cast Aluminum
Bonnet (LV4403Y Series) ..... Die Cast Zinc
Bonnet (LV5503Y Series) ..... Die Cast Aluminum
Nozzle Orifice ..... Brass
Spring ..... Steel
Valve Seat Disc ..... Resilient Rubber
Diaphragm ..... Integrated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

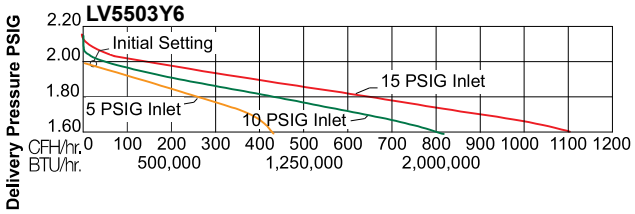
LISTED

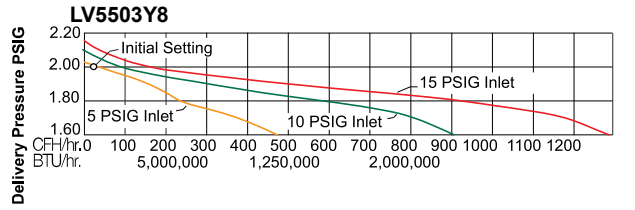
LV4403Y Series

LV5503Y Series

LV4403Y4, LV4403Y46R







Ordering Information

Part Number	Inlet Connection	Outlet Connection	Orifice Size	Factory Delivery Pressure	Adjustment Range	Bonnet Vent Position	Vapor Capacity BTU/hr. Propane**
LV4403Y4	½" F. NPT	½" F. NPT	¼" (6.25mm)	2 PSIG @ 10 PSIG Inlet (0.138 bar @ 0.69 bar)	1.6-2.2 psig (0.110-0.151 bar)	Over Inlet	1,000,000 BTU/hr (21 KG/hr)
LV4403Y66	¾" F.NPT	¾" F.NPT					
LV4403Y46R*	½" F. NPT						
LV4403Y66R*	¾" F.NPT						
LV5503Y6							
LV5503Y8	¾" F. NPT	1" F. NPT	9/32" (7.14mm)				2,200,000 BTU/hr (46.42 KG/hr)

* Backmount design
**Maximum flow is based on 10 PSIG (0.69 BARG) inlet pressure and 1.5 PSIG (0.10 BARG) delivery pressure.