

# **2009** Product Updates

LV3403B4 Compact Second Stage Regulator for LP-Gas

6016 Series and 6024 Series 2" & 3" Swing-Check ESVs for Bulk Plants

A3217 Series 3" Flanged Internal Valve for Bobtail Delivery Trucks, Transports, and Large Stationary Storage Tanks

New 8475-50L Extended Fill Adapter for G8475R Series Underground Multivalves

**New A3209PAF Actuator** 



# Compact Second Stage Regulator for LP-Gas LV3403B4

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# **Application**

The LV3403B4 is designed to reduce first stage pressure of 5-20 PSIG down to burner pressure normally 11" w.c. Designed as a second stage regulator for smaller applications with flow requirements up to 450,000 BTU's/hr, they are ideal for homes, mobile homes, and cottages.

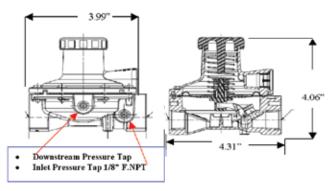
# **Features**

- Large vent helps prevent vent blockage, it is tapped for 3/8"F.NPT for vent piping.
- With 15 PSIG inlet pressure, the regulator is designed to not pass more than 2 PSIG downstream with the seat disc removed, per NFPA 58.
- Incorporates a integral relief valve
- Unique bonnet vent profile minimizes vent freeze over when properly installed.
- Compact design saves space.
- Built in pressure taps 1/8" F.NPT on both regulator inlet and downstream side of the regulator. Plugs can be removed with a 3/16" hex Allen wrench.
- · Select brown finish.



LV3403B4 Series

# Straight Through Design





Body	Zinc
Bonnet	Zinc
Spring	Steel
Seat Disc	Resilient Rubber
	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 *
LV3403B4						Inlet	
LV3403B4V3	1⁄2" F.NPT	1⁄2" F.NPT	1/4"	11" w.c. At 10 PSIG Inlet	9" to 13" w.c.	3:00	450,000
LV3403B4V0						Outlet	
LV3403B4V9						9:00	

\* Maximum flow based on 10 PSIG Inlet 9" w.c. delivery pressure

# 2" & 3" Swing-Check ESVs for Bulk Plants 6016 Series and 6024 Series

# **Application**

Designed for installation in liquid transfer lines at LP-Gas or Anhydrous Ammonia bulk plants to provide for quick shut-off of liquid or vapor flow in the event of an accidental pull-away, line break, or hose rupture.

# **Features**

- Fusible Element is located in the thermal fuse assembly which acts at the latch open and close trigger. When exposed to fire, the element melts at 212 degrees F. allowing the shaft to return to the closed position.
- Valve can be opened by use of operating lever, if a pneumatic actuator is used it will open with the actuator.
- Valve can be closed by remote cable or pneumatic actuator. •
- Valve can be closed by simply pushing the operating lever down, it is not necessary to trip the close trigger.
- Seat is metal protected to minimize leakage in case of fire. •
- Straight through design allows for a liquid flow of 225 GPM (LPG) for 6016, and 416 GPM (LPG) for 6024.
- Quick closing regardless if the pump is running or not.

# **Sturdy Rugged Construction**

- Will withstand hydraulic shock of sudden closings, piping strains, and temperature variations.
- Valve has only two moving parts, stem and close/thermal trigger.
- 6016 is UL listed for use in LP-Gas as an emergency shutoff and operating shut-off valve.
- Stem seals are spring loaded for leak free performance at low temperatures/pressures.

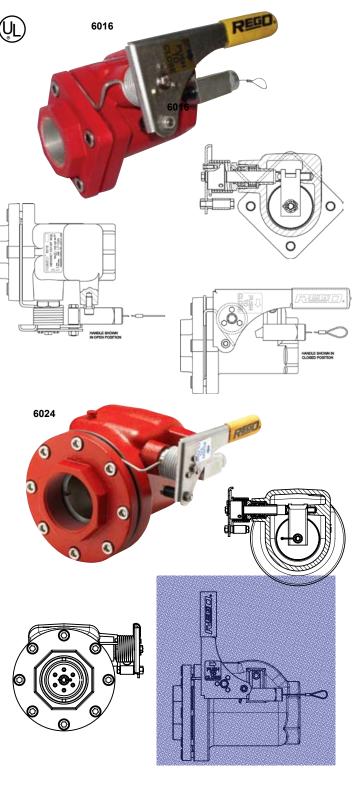
# **Materials**

Body	Ductile Iron Cad Plated
Stem	Stainless Steel
Seat	Stainless Steel
Seat Disc (6016)	High Temperature Viton
Seat Disc (AA6016)	Synthetic Rubber
Springs	Stainless Steel
Gaskets	Teflon





Ordering Information						
Part Number	For Use With:	Inlet and Outlet Connections	Liquid Flow Capacity at 10 PSIG Drop (GPM)			
6016	LP-Gas	2" F-NPT	711 (LP-Gas)			
AA6016	NH <sub>3</sub>	2" F-NPT	640 (NH <sub>3</sub> )			
6024	LP-Gas	3" F-NPT	1325 (LP-Gas)			
AA6024	NH <sub>3</sub>	3" F-NPT	1173 (NH <sub>3</sub> )			



# **3" Flanged Internal Valve for Bobtail Delivery Trucks, Transports, and Large Stationary Storage Tanks A3217 Series**

# Application

Designed primarily for LP-Gas and anhydrous ammonia filling and/or withdrawal on MC331 bobtail delivery trucks, and stationary storage tanks with flanged pumps or piping. Installation is quick and easy, and the valve may be operated manually by cable or pneumatically. Lever available on right or left side to allow for installation without the use of an extra pulley.

# **Features**

## **Provides More Efficient Operation**

- Flow passages designed to allow substantially higher without cavitation or loss of efficiency--saving time and money.
- Simple operating lever facilitates easy adaptation of all cable controls.
- Lever available on right or left side to allow for installation without the use of an extra pulley.
- Nylon bearing supported operating shaft provides smooth, easy operation.

## Less Frequent-Easier Maintenance

- Stainless steel screws resist rusting and are easily removed during valve disassembly.
- Strainer sits on the top flange of the valve's seat insert, making removal of the valve easier. It completely covers the top of the valve to help keep out sediment and foreign material.
- Heavy duty rod wiper helps minimize dirt and foreign material from entering operating shaft and hampering operation.

# **Durable Construction**

- Cadmium plating helps resist corrosion during storage and use.
- Main disc retaining screws are installed from the top down to help minimize the chance of loose screws entering and damaging the pump.
- All ferrous materials with a temperature range of -40° F. to +165° F. and a pressure rating of 400 psi.
- Sturdy retaining ring secures operating cam to provide for more durable, slack-free operation.
- · Built-in excess flow valve.
- Specify RegO® Internal Valves on your next new tank body or whenyour tank is rebuilt.



# **Ordering Information**

Part Number		Operating			Closing GPI		Accessories	
Single Flange Body	Double Flange Body	Lever Position	Inlet Connection	Outlet Connection	LP-Gas	NH3	Pneumatic Actuator	
A3217AR160	A3217DAR160	Right Side			400	4.45	A3217ARPA	
A3217AL160	A3217DAL160	Left Side			160	145	A3217ALPA	
A3217AR210	A3217DAR210	Right Side	3" 300#	010	100	A3217ARPA		
A3217AL210	A3217DAL210	Left Side	ANSI RF	3" 300#	210	190	A3217ALPA	
A3217AR260	A3217DAR260	Right Side	Modified ANSI RF Flange**	Modified		000	000	A3217ARPA
A3217AL260	A3217DAL260	Left Side		260	236	A3217ALPA		
A3217AR410	A3217DAR410	Right Side				110	070	A3217ARPA
A3217AL410	A3217DAL410	Left Side			410	372	A3217ALPA	

\* Valve supplied with 16 nuts and 8 studs for mounting. \*\*Modified bore = 4% diameter with 5% diameter raised face

# New 8475-50L Extended Fill Adapter for G8475R Series Underground Multivalves®

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# **Application**

For use with RegO Products GR8475R and Obsolete 8477 Series Underground Multivalves. This product is designed to extend the filler valve section upward, when it is necessary to allow for an extended filler connection for certain underground containers.

# **Features**

- Designed for permanent installation on the G8475R Series Multivalve\_.
- Extension tube allows for easy connection to the filler valve portion.
- Our high flow upper check assembly is incorporated in the upper check for no reduction in fill rates.
- Incorporates three back checks, two resilient seats and one metal to metal.
- Easy to install when carefully following our instructions.



8475-50L



# **Ordering Information**



# **New A3209PAF Actuator**

# **Application**

The A3209PAF Airstroke Pneumatic Actuator is designed for use with the A3209D &DT Series and obsolete A3209A&R Series internal valves. It is designed to provide a convenient means for opening and closing the valve from a remote location with compressed air, nitrogen or other inert gases. It can be installed and used with the air system on bobtails, dispensers or at bulk plants.

# **Features**

- · Includes all hardware necessary to install actuator to the valve.
- Air bellows cylinder designed for dependable long-term performance.
- A 212 ° F thermal element is included to meet the requirements of NFPA 58 and 49 CFR.
- Stainless Steel bracket and linkage designed to resist corrosion from the elements.

# **Materials**

Mounting Bracket	Stainless Steel
Connecting Rod	Stainless Steel
Return Spring	Stainless Steel
Bellows	Natural Rubber



A3209PAF



# **Ordering Information**

Part Number	Minimum Operating Pressure	Maximum Operating Pressure
A3209PAF	50 PSIG	125 PSIG

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