

## “Pop-Action” Pressure Relief Valves

### General Information

The “Pop-Action” design permits the RegO® Pressure Relief Valve to open slightly to relieve moderately excessive pressure in the container. When pressure increases beyond a predetermined point, the valve is designed to “pop” open to its full discharge capacity, reducing excess pressure quickly. This is a distinct advantage over ordinary valves which open gradually over their entire range, allowing excessive pressure to develop before the relief valve is fully open. All RegO® internal, semiinternal, and external relief valves incorporate this “Pop-Action” design.

Relief Valves in this catalog are only intended for use in LP-Gas or anhydrous ammonia service. Do not use any other service commodity. If you have an application other than conventional LP-Gas or anhydrous ammonia service, contact REGO® before proceeding.

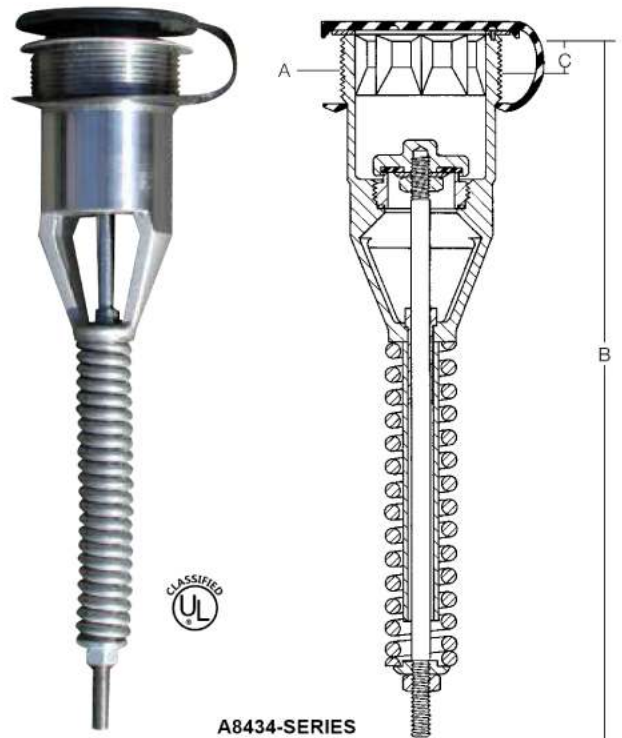
## Fully Internal “Pop-Action” Pressure Relief Valves for Transports and Delivery Trucks A8434 and A8436 Series

### Application

Designed specifically for use as a primary relief valve in ASME transports and delivery trucks with 2” and 3” NPT couplings.

### Features

- Low profile design assures maximum protection against sheering or distortion.
- All functioning parts are located below the level of the container connection to reduce the possibility of damage or tampering.
- Longer spring size designed to minimize stress cracking in service.
- Use of two different materials for stem and guide minimizes the possibility of stem seizure which may occur when similar materials are used.
- Internal octagonal wrenching broach assures easy installation and removal.
- ASME approved for use with LP-Gas and anhydrous ammonia.



A8434-SERIES

### Materials

Body .....	Stainless Steel
Spring .....	Stainless Steel
Stem .....	Stainless Steel
Stem Bushing .....	17 - 4PH Stainless Steel
Seat Disc .....	Resilient Synthetic Rubber



### Ordering Information

Part Number	Start To Discharge Setting PSIG	A Container Connection	B Overall Height (Approx.)	C Height Above Coupling (Approx.)	UL (At 120% of Set Pressure)	ASME (At 120% of Set Pressure)	Suitable for Tanks with Surface Area Up To:*	Protective Cap (Included)
A8434N	265	2" M. NPT	9 1/16"	1/2"	3700	3659	175 Sq. Ft.	A8434-11B
A8434G	250					3456		
A8436N	265	3" M. NPT	17 7/16"	3/4"	10210	9839	602 Sq. Ft.	A8436-11B
A8436G	250					9598		

\* Per NFPA Pamphlet #58, Appendix D. Area shown is for UL or ASME flow rating—which ever is larger.

## Typical RegO Multiport™ Pressure Relief Valve Manifold

**RegO® Pressure Relief Valve**  
"Pop-action" insures maximum protection with only minimum fluid loss at moderately excessive pressures.

**Weep Hole Deflector**

Port design of deflector prevents any ignited fluid ejected from the weep hole, while the relief valve is functioning, from impinging on the storage container or adjacent piping and equipment.

**Resilient Seat Disc**

Assures positive shut-off.

**Manifold Seat Ring**

Has integral teflon seat ring for positive shutoff of valve port by clapper disc.

**Instruction Plate**

For relief valve replacement.

**Plug Assembly**

Protects manifold outlet threads and keeps foreign material out of manifold when relief valve is removed for retest.



**Safety Groove** Excessive stress on vent piping attached to relief valve will break valve body at this point, leaving valve fully operative.

**Handwheel**

Large, heavy duty handwheel has raised port numbers for selective positioning of clapper disc. Raised "arrow" below handwheel indicates exact position of clapper disc at all times.

**Clapper Disc**

Shown in position to remove relief valve. Normally, clapper disc is positioned between any two relief valves.

**Bleeder Valve**

Shown in "closed" position to bleed off pressure trapped between relief valve and clapper disc prior to removal of relief valve.

**Ductile Iron Body**

Rugged. Has corrosion resistant lacquered finish.

**Flanged Tank Connection**

Available with either a modified ASA 3" (4" port opening) or a 4" ASA 300# flanged connection. Mates respectively with modified ASA 3", 300 lb. flat face steel flange and ASA 4" 300 lb. 1/16" raised face steel flange.

**Spacious Manifold Port**

Passages Large unobstructed throat assures minimum capacity loss. Manifold is bolted directly to storage container opening, eliminating any restrictions.

**Gasket**

Johns-Manville Spirotallic flange gasket furnished with each manifold assembly.

### Flange Dimensions

Manifold Series	Flange Size	Flange Drilling	Port Diameter	Flange Gasket
A8560	Modified 3" 300# (4" Port Dia)	(8) 7/8" Bolt Holes on a 6 3/4" Bolt Circle Diameter Flat Faced.	4"	3" 7564-48
A8570 AA8570	4" ASA 300#	(8) 7/8" Bolt Holes on a 7 7/8" Bolt Circle Diameter 1/16" Raised Faced.	4"	4" 7565-48



### Ordering Information

Part Number	Start To Discharge Setting PSIG	Application		Container Flange Connection	Quantity	Relief Valve			Flow Capacity SCFM/Air** At 120% of Set Pressure		
		LP-Gas	NH <sub>3</sub>			Part Number	Inlet Connection M. NPT	Accessories	UL Rating	ASME Rating	
A8563G	250	Yes	Yes	3"-300#*	3	A3149MG	2 1/2"	****		18,500 (2)	Not Applicable
A8564G					4					27,750 (3)	
A8573G					3					18,500 (2)	
A8574G					4					27,750 (3)	
A8563AG				4"-300#	3	A3149G				18,300 (2)	
A8564AG					4					27,400 (3)	
A8573AG					3					18,300 (2)	
A8574AG					4					27,400 (3)	

\* For use with modified 300# ANSI flange with 4" port.

\*\*\* 2" F. NPT outlet connection.

\*\* Flow rating based on number of relief valves indicated in parenthesis ( ).

\*\*\*\* Outlet 3 1/2"-8N (F) thread, will accept 3" M. NPT pipe thread.

Flow rates shown are for bare relief valves. Adapters and pipeways will reduce flow rates as discussed in forewording information.

### REGO® Warning Notice

The following warning information, Part Number 8545-500, is included with each shipment of pressure relief valves and relief valve manifolds to the first purchaser of the product from the factory.

This information is intended to be forwarded throughout the product distribution chain. Additional copies are available from REGO® and Authorized Product Distributors.

DANGER	READ THIS FIRST	WARNING
<b>LP-GAS IS EXTREMELY FLAMMABLE AND EXPLOSIVE</b>		
<p>AVOID SERIOUS INJURY AND PROPERTY DAMAGE. IF YOU SEE, SMELL OR HEAR ESCAPING GAS, ... EVACUATE AREA IMMEDIATELY! CALL YOUR LOCAL FIRE DEPARTMENT. DO NOT ATTEMPT TO REPAIR. DO NOT STORE IN BUILDING OR ENCLOSED AREA. DO NOT USE ON HOT AIR-BALLOONS OR AIRCRAFT. Make sure you are thoroughly trained before you attempt any pressure relief installation or maintenance. Improper conditions or procedures can cause accidents resulting in property damage and personal injury.</p> <p>Become thoroughly familiar with NFPA Safety Pamphlet 300 "LP-Gas Regulator and Valve Inspections &amp; Maintenance" and ECI "Safety Warning "Pressure Relief Valves" found in the relief valve section of the L-500 &amp; L-102 Catalog. Follow its recommendations.</p> <p>Know and understand NFPA Pamphlet 58 "Liquefied Petroleum Gas Code", which is the law in many states. This publication is available from NFPA, Batterymarch Park, Quincy, MA 02269. Following its requirements is essential in the safe use of LP-Gas. Section 4.4 states: persons who transfer liquid LP-Gas, who are employed to transport LP-Gas, or whose primary duties fall within the scope of this code shall be trained in proper handling procedures. Refresher training shall be provided at least every three years and shall be documented.</p> <p>Make sure this valve is the proper one for this installation. Avoid misusing LP-Gas equipment. Flow rates in the charts are for base relief valves found in the relief valve section of the L500 &amp; L102 Catalog. The addition of defectors, bypass adapters and piping will restrict the flow. To properly protect any container the total system flow must be sufficient to relieve pressure at the pressure setting of the relief valve in accordance with all applicable codes.</p> <p>Use only ECI "RegO" adapters on ECI "RegO" relief valves. Adapters not designed specifically for piping away ECI "RegO" relief valves, such as those with 90° turns or reduced internal diameters, will decrease flow dramatically. These should never be used as they can cause the relief valve to chatter and eventually destroy itself.</p> <p>Apply thread joint compound compatible with LP-Gas on valve external threads only. Make sure compound never comes into contact with other parts of the valve.</p> <p>Install valves by applying force to wrenching flats only.</p> <p>Tighten pipe threads approximately 1 to 1 1/2 turns beyond the hand-tight insertion point using a wrench which avoids damage to other valve parts.</p> <p>Check for damage after valve installation. Check that the pressure relief valve is clean and free of foreign material. Make sure protective cap is properly in place.</p> <p>Check that there are no leaks with a non-corrosive leak detection solution before filling with LP-Gas.</p> <p>Purge container before filling with LP-Gas (refer to the ECI "LP-Gas Serviceman's Manual for recommended procedures).</p> <p>In selecting a label for posting at the installation site, consider ECI " part number 901-400 along with your own, NFPA's and others.</p> <p>Remember to instruct the owner/user/customer in safety matters concerning LP-Gas and this equipment. See ECI "Safety Warning "Pressure Relief Valves" found in the relief valve section of the L-500 &amp; L-102 Catalog.</p> <p>Engineered Controls International, Inc. ECI requests that this information be forwarded to your customers. Additional copies are available from ECI and your authorized ECI Product Distributor.</p>		
<b>REGO</b>		Printed in USA 06-0809-0080 Part number: 8545-500
190-86 (01) Drive PO Box 247 Elm, NJ 07734 USA Phone: (201) 488-7107 Fax: (201) 488-6588 website: gpeproducts.com		

### Cross Reference by Part Number

3125L .....D16	3129U .....D16	SS8001U .....D16	8543G .....D11
AA3126L030 .....D14	AA3130UA250 .....D14	SS8002G .....D16	8543T .....D11
AA3126L250 .....D14	AA3130UA265 .....D14	SS8002J .....D16	8544G .....D11
AA3126L312 .....D14	3131G .....D14	SS8002L .....D16	8544K .....D11
3127G .....D15	3132G .....D14	SS8002U .....D16	8544T .....D11
3127G .....D16	MV3132G .....D14	SS8021G .....D16	8545AK .....D12
3127H .....D16	T3132G .....D14	SS8021J .....D16	A8563AG .....D19
3127J .....D16	W3132G .....D14	SS8021L .....D16	A8563G .....D19
3127K .....D15	3133G .....D14	SS8021U .....D16	A8564AG .....D19
3127K .....D16	3135G .....D14	SS8022G .....D16	A8564G .....D19
3127L .....D16	AA3135UA250 .....D14	SS8022J .....D16	A8573AG .....D19
3127P .....D16	AA3135UA265 .....D14	SS8022L .....D16	A8573G .....D19
3127U .....D16	A3149G .....D14	SS8022P .....D16	A8574AG .....D19
3129G .....D15	A3149L55 .....D14	SS8022U .....D16	A8574G .....D19
3129G .....D16	A3149L200 .....D14	A8434G .....D10	8684G .....D13
3129H .....D16	7560-55 .....D18	A8434N .....D10	8685G .....D13
3129J .....D16	7560-56 .....D18	A8436G .....D10	
3129K .....D15	7583G .....D13	A8436N .....D10	
3129K .....D16	SS8001G .....D16	8542G .....D17	
3129L .....D16	SS8001J .....D16	AA8542UA250 .....D17	
3129P .....D16	SS8001L .....D16	AA8542UA265 .....D17	

## Fully Internal "Pop-Action" Pressure Relief Valves for Motor Fuel Containers 8543 and 8544 Series

### Application

8543 Series relief valves are designed for use as a primary relief valve in larger ASME motor fuel containers such as on buses, trucks and construction equipment.

8544 Series relief valves are designed for use as a primary relief valve in smaller ASME and DOT motor fuel containers such as on tractors, lift trucks, cars and taxicabs.

### Features

- Assure minimum product loss due to "pop-action" design.
- Recessed design minimizes possibility of damage and tampering.
- All are threaded to accept RegO® Pipeway Adapters that permit the addition of a discharge hose or piping.
- ASME rated for use with LP-Gas (except 8544K which meets DOT requirements).
- Specify RegO® Relief Valves on all your original equipment motor fuel container purchases for reliable performance.

### Materials

Body ..... Brass  
 Spring (8543)..... Stainless Steel  
 Spring (8544)..... Coated Steel  
 Seat Disc ..... Resilient Rubber



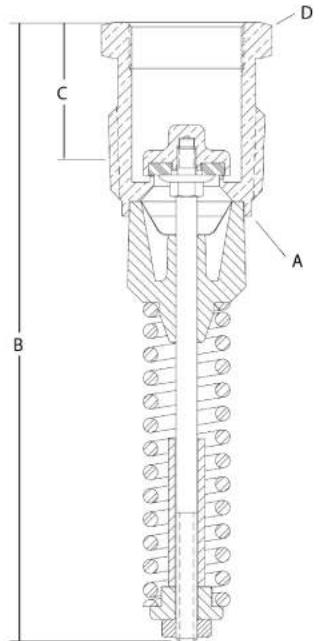
7543-10



7544-11A



8544



### Ordering Information

Part Number	Container Type	Start To Discharge Setting PSIG	A Container Connection M. NPT	B Overall Height (Approx.)	C Height Above Coupling (Approx.)	D Hex Wrenching Section	Flow Capacity SCFM/Air****		Protective Cap (Included)	Accessories Pipeway Adapter
							UL (At 120% of Set Pressure)	ASME (At 120% of Set Pressure)		
8544G	ASME	250	1"	5 7/16"	7/8"	1 7/16"	1020	936	7544-41G	7544-11A*
8543G			1 1/4"			1465	1400	7543-40C	7543-10**	
8544T		312	1"			1282	1158	7544-41	7544-11A	
8543T			1 1/4"			1990	1731	7543-40C	7543-10**	
8544K	DOT/ASME	375	1"			1 7/16"	1545***	-	7544-41	7544-11A

\* 1" M. NPT outlet connection.

\*\* 1 1/4" M. NPT outlet connection.

\*\*\* Rating also applies to DOT requirements.

\*\*\*\* Flow rates shown are for bare relief valves. Adapters and pipeway will reduce flow as discussed in forewording information.

**Fully Internal "Pop-Action" Pressure Relief Valve  
for DOT Fork Lift Cylinders 8545AK**

**Application**

Designed specifically for use as a primary relief valve on forklift cylinders, the 8545AK reduces the possibility of improper functioning of the relief mechanism due to foreign material build up. All guides, springs, stem and adjusting components are located inside the cylinder - removed from the direct exposure of foreign materials and debris from the atmosphere.

NFPA Pamphlet #58 requires that:  
"All containers used in industrial truck (including forklift truck cylinders) service shall have the container pressure relief valve replaced by a new or unused valve within 12 years of the date of manufacture of the container and each 10 years thereafter."

**Features**

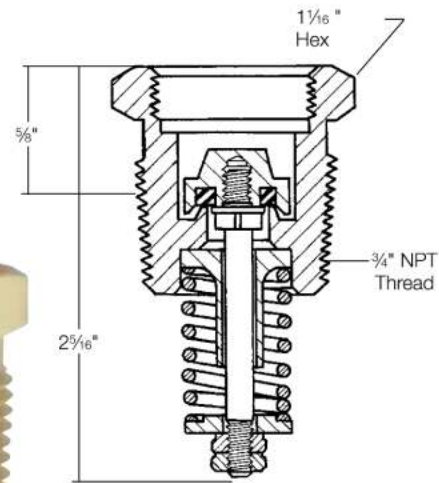
- Positive stop in the upper body protects against improper insertion of a pipeway adapter that might interfere with proper operation of the relief valve.
- Internal stem guide eliminates the need for a close fit between the body and poppet, which lessens the chance of clogging due to foreign material.
- Single piece cold-headed stem provides more accurate positioning of working parts for more consistent operation and precise adjustment.
- Two different deflector adapters and a protective cap are available as accessories to provide complete protection.
- "Pop-action" design keeps product loss at a minimum.
- Request RegO® Relief Valves on all your original equipment forklift cylinders for reliable performance.



7545-12 90° Adapter



7545-14 45° Adapter



**Materials**

Body .....	Brass
Stem .....	Stainless Steel
Spring .....	Stainless Steel
Poppet .....	Brass
Guide .....	Brass
Seat Disc .....	Resilient Rubber

**Ordering Information**

Part Number	Container Type	Start To Discharge Setting PSIG	Container Connection M. NPT	Flow Capacity SCFM/Air** (REGO® Rated at 480 PSIG)	Accessories (Order Separately)		
					Protective Cap	Deflectors***	
					45° Elbow	90° Elbow	
8545AK	Dot	375	3/4"	400*	7545-40	7545-14	7545-12

\* Classified by U.L. in accordance with Compressed Gas Association Pamphlet S-1.1 Pressure Device Standards for Cylinders. Meets requirements for use on DOT containers with 262 pounds or less weight of water or 109 pounds or less of LP-Gas.

\*\* Flow rates are shown for bare relief valves. Adapters and pipeways will reduce flow as discussed in forewording information.

\*\*\* Order protective cap #8545-41 or 7545-40.

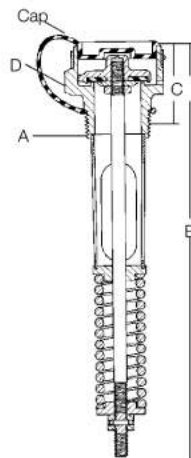
### Semi-Internal "Pop-Action" Pressure Relief Valves for ASME Containers 7583, 8684 and 8685 Series

#### Application

Designed for use as a primary relief valve on ASME containers such as 250, 500 and 1,000 gallon tanks. Underwriters' Laboratories lists containers systems on which these types of valves are mounted outside the hood without additional protection, if mounted near the hood and fitted with a protective cap.

#### Features

- Constructed of non-corrosive materials.
- "Pop-action" design keeps product loss at a minimum.
- ASME rated for use with LP-Gas.
- Request RegO® Relief Valves on all your original equipment ASME containers for reliable performance.



#### Materials

Body ..... Brass  
 Spring ..... Steel  
 Stem ..... Stainless Steel  
 Seat Disc ..... Resilient Rubber

#### Ordering Information

Part Number	Start To Discharge Setting PSIG	A Container Connection M. NPT	B Overall Height (Approx.)	C Height Above Coupling (Approx.)	D Wrench Hex Section	Flow Capacity SCFM/Air		Suitable for Tanks w/Surface Area Up To:*	Protective Cap (Included)
						UL (At 120% of Set Pressure)	ASME (At 120% of Set Pressure)		
7583G	250	3/4"	8 3/8"	1 1/8"	1 1/4"	1980	1806	80 Sq. Ft.	7583-40X
8684G		1"	9 3/4"	1 1/8"	1 1/2"	2620	2565	113 Sq. Ft.	8684-40
8685G		1 1/4"	11 1/8"	1 1/8"	2 3/8"	4385	4035	212 Sq. Ft.	7585-40X

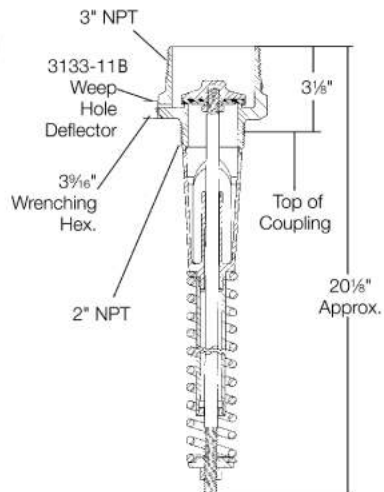
\* Per NFPA Pamphlet #58, Appendix D. Area shown is for UL or ASME flow rating—whichever is larger.

#### Application

Designed especially for use as a primary relief valve on large stationary storage containers, these low profile relief valves are generally mounted in half couplings. However, they are designed so that the inlet ports clear the bottom of a full 2" coupling. This assures that the relief valve should always be capable of maximum flow under emergency conditions.

#### Features

- High capacity, low turbulence design has a maximum guiding area providing for dependable shut-off after opening.
- Built-in spring stop limits the rise of the seat in full open position and prevents the spring from going "solid".
- External 3" NPT threaded body allows easy attachment of vent stacks. Optional pipeaway adapter has break-off groove to prevent damage to the relief valve should piping be stressed by damaging winds.
- "Pop-Action" design keeps product loss at a minimum.
- No guiding projections around the seat disc retainer to bind and hinder opening of valve if body is damaged.



#### Materials

Body ..... Brass  
 Spring ..... Steel  
 Stem ..... Stainless Steel  
 Seat Disc ..... Resilient Rubber

#### Ordering Information

Part Number	Start To Discharge Setting PSIG	Container Connection M. NPT	Flow Capacity SCFM/Air*			Accessories	
			UL (At 120% of Set Pressure)	ASME (At 120% of Set Pressure)	Suitable for Tanks w/ Surface Area Up To:**	Protective Cap	Pipeaway Adapter
7534B	125	2"	6,025	-	319 Sq. Ft.	7534-40	7534-20***
7534G	250		11,675	10,422	708 Sq. Ft.		

\* Flow rates shown are for bare relief valves. Adapters and pipeaways will reduce flow as discussed in the forewording information.

\*\* Per NFPA Pamphlet #58, Appendix D. Area shown is for UL or ASME—whichever is larger.

\*\*\* 3" F. NPT outlet connection.

Address: Unit 11, 11/F, Tower One, Ever Gain Plaza, 88 Container Port Road, Kwai Chung, NT, Hong Kong

Website: www.dmc-gas.com Email: dmcsaleshk@dmc-gas.com.hk

Tel: +852 2851 2121

Fax: +852 2851 2129

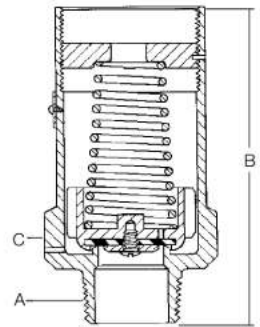
### External "Pop-Action" Pressure Relief Valves for ASME Containers and Bulk Plant Installations AA3126, AA3130, 3131, 3132, 3133, 3135, AA3135, and A3149 Series

#### Application

Designed for use as a primary relief valve on ASME above ground and underground containers, bulk plant installations and skid tanks. The 3131 Series may also be used as a primary or secondary relief valve on DOT cylinders, or as a hydrostatic relief valve. All working components of these relief valves are outside the container connection, so the valves must be protected from physical damage.

#### Features

- "Pop-action" design keeps product loss at a minimum.
- Relief valve designed to automatically reset firmly after discharge.
- Resilient seat disc provides "bubble-tight" seal.
- 3149 relief valves incorporate integral pipeway adapter with break off groove that protects the valve from piping stress damage.
- Optional pipeway adapters have grooves that will break off to protect the relief valve from damage should excess stress be applied to the piping.
- 3149 relief valves include weep hole deflectors, installed to guard against flame impingement on adjacent containers.
- Most are ASME rated for use with LP-Gas and anhydrous ammonia.



#### Materials

Description	3131, 3132, 3133, 3135	AA3126 AA3130	AA3135	A3149
Body	Brass	Aluminum Rod*		Upper Cold Rolled Steel Lower Ductile Iron
Liner		None		Stainless Steel
Spring Guide	Brass	Aluminum		Stainless Steel
Spring	Corrosion Resistant Steel	Stainless Steel		Stainless Steel or Coated Steel
Seat Disc	Resilient Synthetic Rubber			



#### Ordering Information

Part Number	Start To Discharge Setting PSIG	A Container Connection M. NPT	B Overall Height (Approx.)	C Wrench Hex Section	Flow Capacity SCFM/Air (a)			Suitable for Tanks w/Surface Area Up To: (e)	Accessories			
					UL (At 120% of Set Pressure)	ASME (At 120% of Set Pressure)			Protective Cap	Part Number	Outlet Size	Weep Hole Deflector
AA3126L030	30	1/2"	2 3/8"	3/8"	(b)	-	-	7545-40	AA3126-10	1/2" M. NPT	-	
A3149L55	55	2 1/2"	10 1/2"	4 1/4"	2608(c)	-	113 Sq. Ft.	3149-40	(h)	Included (j)		
A3149L200	200				8770 (c)	-	500 Sq. Ft.					
AA3126L250	250	1/2"	2 3/8"	3/8"	277 (c)	-	23 Sq. Ft. (f)	7545-40	AA3126-10	1/2" M. NPT	3133-11	
3131G		3/4"	3 7/16"	1 3/4"	2060	1939	85 Sq. Ft.	3131-40 (g)	-	-		
AA3130UA250					2045	1838	249 Sq. Ft. (f)	AA3130-40P	AA3131-10	1" F. NPT		
W3132G		1"	6 1/2"	2 3/8"	3340	-	154 Sq. Ft.	3132-54 (g)	3132-10	1 1/2" F. NPT		
3132G		4130			-	200 Sq. Ft.	-		-			
T3132G		3790			-	180 Sq. Ft.	3132-10		1 1/2" F. NPT			
MV3132G		3995			-	190 Sq. Ft.	-		-			
3135G		5770	-	300 Sq. Ft.	3135-54 (g)	3135-10	2" F. NPT					
AA3135UA250		6 3/8"	2 1/8"	6430	6341	1010 Sq. Ft. (f)		AA3135-0PR	AA3135-10			
3133G		1 1/2"	5 1/16"	3 3/8"	6080	-	320 Sq. Ft.	3133-40 (g)	3133-10	-		
A3149G	2 1/2"	10 1/2"	4 1/4"	10390	9153	613 Sq. Ft.	3149-40	(h)	Included (j)			
AA3130UA265	265	3/4"	3 7/16"	1 3/4"	2125	1912	261 Sq. Ft. (f)	AA3130-40P	AA3131-10	1" F. NPT	-	
AA3135UA265		1 1/4"	6 1/2"	2 1/8"	6615	6703	1045 Sq. Ft. (f)	AA3135-40PR	AA3135-10	2" F. NPT	3133-11	
AA3126L312	312	1/2"	2 3/8"	3/8"	330 (c)	-	27 Sq. Ft. (f)	7545-40	AA3126-10	1/2" M. NPT	-	

(a) Flow rates shown are for bare relief valves. Adapters and pipeways will reduce flow as discussed in foreword information.  
 (b) Not UL or ASME rated. .059 square inch effective area.  
 (c) Not UL or ASME rated. REGO® rated at 120% of set pressure.  
 (f) Per ANSI K61.1-1972, Appendix A.  
 (g) Cap supplied with chain.  
 (h) Outlet 3 1/2-8N (F) thread, will accept 3" M. NPT pipe thread.  
 (j) Weep hole deflector is Part No. A3134-11B.

(e) Per NFPA Pamphlet #58, Appendix D. Area shown is for UL or ASME flow rating—which ever is larger.

**External "Pop-Action" Supplementary Pressure Relief Valves for Small ASME Containers and DOT Cylinders 3127 and 3129 Series**

**Application**

Designed for use as a supplementary relief valve on small ASME above ground and underground containers. They may also be used as a primary or secondary relief device on DOT cylinders, or as hydrostatic relief valves.

All working components of these relief valves are outside the container connection, so the valves must be protected from physical damage.

**Features**

- "Pop-action" design keeps product loss at a minimum.
- Relief valve designed to automatically reseal firmly after discharge.
- Resilient seat disc provides a "bubble-tight" seal.

**Materials**

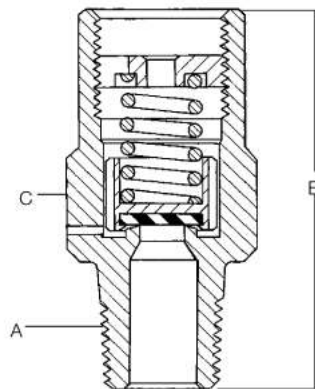
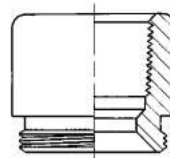
Body ..... Brass  
Spring ..... Stainless Steel  
Seat Disc ..... Resilient Rubber



3129-10 Pipe Away Adapter



3127 Series



**Ordering Information**

Part Number	Container Type	Start To Discharge Setting PSIG	A Container Connection M. NPT	B Overall Height (Approx.)	C Wrench Hex Section	Flow Capacity SCFM/ Air		Suitable for Tanks w/Surface Area Up To:*	Accessories		
						UL (At 120% of Set Pressure)	REGO® Rated at 480 PSIG***		Protective Cap	Pipeaway Adapter	
										Part Number	Outlet Size
3127G	ASME	250	1/4"	1 1/2"	3/8"	295	-	-	7545-40	-	-
3129G			1/2"	2 1/2"	1 1/8"	465	-			3129-10	1/2" F. NPT
3127K	DOT	375	1/4"	1 3/2"	3/8"	-	450	100 lbs./Propane		-	-
3129K			1/2"	2 1/2"	1 1/8"	780	200 lbs./Propane	3129-10		1/2" F. NPT	

\* Flow rates shown are for bare relief valves. Adapters and pipeaways will reduce flow as discussed in forewording information.

\*\* Not UL or ASME rated. REGO® rated at 480 PSIG.

\*\*\* Meets DOT requirements.



### External Hydrostatic Relief Valves 3125, 3127, 3129, SS8001, SS8002, SS8021 and SS8022 Series

#### Application

Designed especially for the protection of piping and shut-off valves where there is a possibility of trapping liquid LP-Gas or anhydrous ammonia. They may be installed in pipelines and hoses located between shut-off valves or in the side boss of RegO® shut-off valves.

#### Features

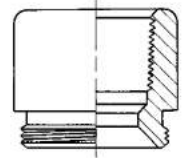
- Relief valve designed to automatically reset firmly after discharge.
- Resilient seat disc provides a "bubble-tight" seal.
- Available in both brass and stainless steel.
- Available in configurations that permit direct attachment of vent piping when required.

#### Materials

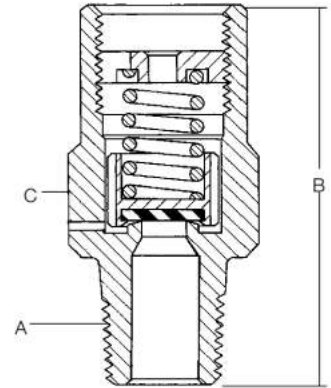
Body (3125, 3127, 3129)..... Brass  
 Body (SS8001, SS8002, SS8021, SS8022)..... Stainless Steel  
 Spring..... Stainless Steel  
 Seat Disc..... Resilient Rubber



3125 Series (.161 Orifice)  
 3127 Series (.274 Orifice)  
 3129 Series (.386)



3129-10  
Pipe Aw

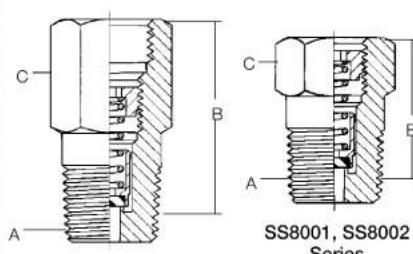


#### Ordering Information

Part Number	Start To Discharge Setting PSIG	Valve Body Material	A Container Connection M. NPT	B Height (Approx.)	C Wrench Hex Section	Accessories		
						Protective Cap	Pipeaway Adapter or Threads	
SS8001G	250	Stainless Steel	1/4"	7/8"	1/16"	-	-	
SS8002G			1/2"		7/8"			
SS8021G			1/4"	1 1/8"	1/16"		1/4" NPSM Thrds	
SS8022G			1/2"	7/8"	3/8" NPT Thrds			
3127G	275	Brass	1/4"	1 3/32"	7/8"	7545-40	-	
3129G			1/2"	2 7/32"	1 1/8"		3129-10*	
3127H			1/4"	1 3/32"	7/8"		-	
3129H			1/2"	2 7/32"	1 1/8"		3129-10*	
3127P	300	Brass	1/4"	1 3/32"	1 1/8"	7545-40	-	
3129P			1/2"	2 7/32"	1 1/8"		3129-10*	
SS8022P		Stainless Steel	1/2"	1 3/8"	7/8"	-	3/8" NPT Thrds	
3127J	350	Brass	1/4"	1 3/32"	7/8"	7545-40	-	
3129J			1/2"	2 15/32"	1 1/8"		3129-10*	
SS8001J	350	Stainless Steel	1/4"	7/8"	1/16"	-	-	
SS8002J			1/2"		7/8"			
SS8021J			1/4"	1 1/8"	1/16"		1/4" NPSM Thrds	
SS8022J			1/2"	7/8"	3/8" NPT Thrds			
3127K	375	Brass	1/4"	1 31/32"	7/8"	7545-40	-	
3129K			1/2"	2 7/32"	1 1/8"		3129-10*	
3125L			1/4"	1 7/8"	3/8"		Included	
3127L			1/2"	1 13/32"	7/8"		7545-40	
3129L	400	Brass	1/2"	2 7/32"	1 1/8"	3129-40P	3129-10*	
SS8001L			1/4"	7/8"	1/16"	-	-	
SS8002L			1/2"		7/8"			
SS8021L			1/4"	1 1/8"	1/16"		1/4" NPSM Thrds	
SS8022L	1/2"	7/8"	3/8" NPT Thrds					
3127U	450	Brass	1/4"	1 31/32"	7/8"	7545-40	-	
3129U			1/2"	2 7/32"	1 1/8"		3129-10*	
SS8001U			1/4"	7/8"	1/16"		-	-
SS8002U			1/2"		7/8"			
SS8021U	1/4"	1 1/8"	1/16"	1/4" NPSM Thrds				
SS8022U	1/2"	1"	7/8"	3/8" NPT Thrds				



SS8022G



SS8021, SS8022 Series (.156 Orifice)  
 SS8001, SS8002 Series (.156 Orifice)

\* 1/2" F. NPT outlet connection.

### DuoPort® Pressure Relief Valve Manifolds for Small Storage Containers

#### 8542 Series

#### Application

Designed especially for use as a primary relief device on smaller stationary storage containers, with 2" NPT threaded couplings. These manifolds allow servicing or replacement of either of the two relief valves without evacuating the container or loss of service. The operating lever selectively closes off the entrance port to the relief valve being removed while the remaining valve provides protection for the container and its contents. The rating of each manifold is based on actual flow through the manifold and a single pressure relief valve, taking friction loss into account. It is not merely the rating of the relief valve alone.

#### Features

- Allows for relief valve removal and replacement on a periodic basis without shutting down and evacuating the container.
- Unique seat ring assemblies provide a smooth tubular section to preclude turbulence and assure more efficient flow capacity.
- Operating lever is only locked in the mid-position or in a position to seal either relief valve. Placement of the clapper disc in an intermediate position could restrict flow through one of the relief valves, causing it to chatter and destroy the resilient seat disc.
- A rubber plug with chain is provided to protect manifold outlet threads where the relief valve has been removed.
- "Pop-action" design insures maximum protection with only minimal product loss at moderately excessive pressures.
- Resilient relief valve seat disc provides "bubble-tight" seal.
- Relief valves are ASME rated for use with LP-Gas and anhydrous ammonia.

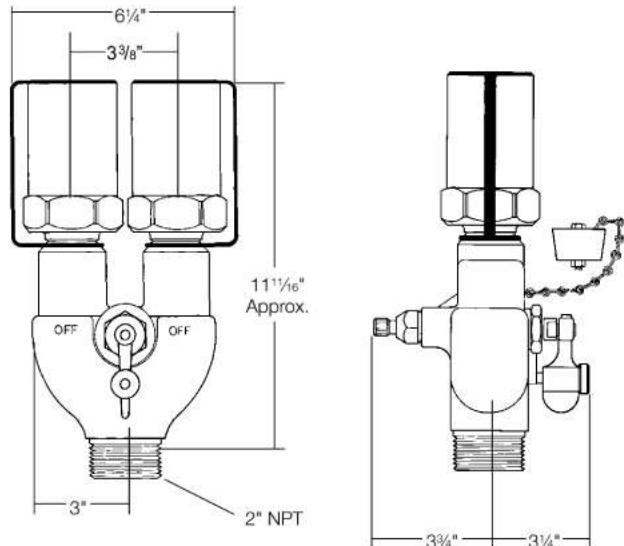
#### Manifold Materials

Body ..... Ductile Iron  
 Clapper Disc ..... Stainless Steel  
 Bleeder Valve ..... Stainless Steel  
 Seat Disc ..... Teflon  
 Packing ..... Polyethylene

#### Relief Valve Materials

Body ..... Forged Aluminum\*  
 Spring Guide ..... Aluminum  
 Spring ..... Coated Steel  
 Seat Disc ..... Resilient Synthetic Rubber

\*A special coating is applied to the inlet threads to minimize the possibility of electrolytic action.



#### Ordering Information

Part Number	Start to Discharge Setting PSIG	Application		Container Connection M. NPT	Relief Valve Included			Flow Capacity SCFM/Air** (at 120% of set pressure)		
		LP-Gas	NH3		Quantity	Part Number	Inlet Connection M. NPT	Accessory Pipeway Adaptors	UL Rating (at 120% of set Pressure)	ASME Rating (at 120% of set Pressure)
8542G	250	Yes	No	2"	2	3135MG	1 1/4"	3135-10*	5250 (1)	NA
AA8542UA250		No	Yes			AA3135MUA250		AA3135-10*	6430 (1)	6341 (1)
AA8542UA265	265					AA3135MUA265		6615 (1)	6703 (1)	

\* 2" F. NPT outlet connection.

\*\* Flow rating based on number of relief valves indicated in parenthesis ( ). Flow rates shown are for bare relief valves. Adapters and pipeways will reduce flow rates as discussed in forewording information.

### Multiport™ Pressure Relief Valve Manifold Assemblies for Large Storage Containers A8560, A8570 and AA8570 Series

#### Application

Designed especially for use as a primary relief device on large stationary pressurized storage containers with flanged openings. These manifolds incorporate an additional relief valve, not included in the flow rating, allowing for servicing or replacement of any one of the relief valves without evacuating the container. The handwheel on the manifold selectively closes off the entrance port to the relief valve being removed while the remaining relief valves provide protection for the container and its contents. All manifold flow ratings are based on flow through the relief valves after one has been removed for service or replacement.

#### Features

- Allows for relief valve removal and replacement on a periodic basis without shutting down and evacuating the container.
- "Pop-action" design of relief valves insures maximum protection with only minimal product loss at moderately excessive pressures.
- A rubber plug with chain is provided to protect manifold outlet threads where the relief valve has been removed.
- May be mounted directly to a welding neck flange or manhole cover plate. Requires no inlet piping.
- Relief valves designed to automatically reseal firmly after discharge.
- Resilient relief valve seat disc provides "bubble-tight" seal.
- Relief valves are ASME rated for use with LP-Gas and anhydrous ammonia.



A8560

A8570

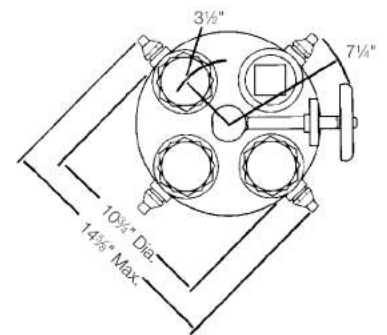
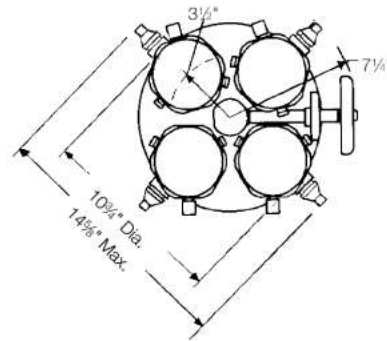
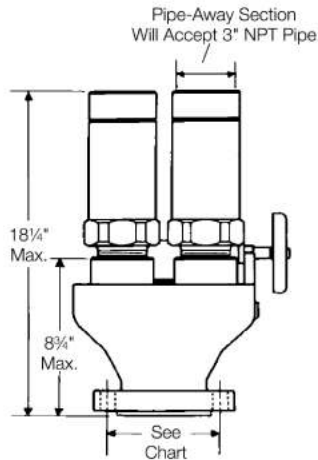


#### Materials

Body ..... Ductile Iron  
 Resilient Parts ..... Teflon  
 Clapper Disc ..... Stainless Steel  
 Bleeder Valve ..... Stainless Steel

#### Bolt Stud and Nut Assemblies

Part Number	Consists of	For Use With:	For Connection To:	Number Required
7560-55	1-Bolt Stud and Nut	All RegO Multiports™	Modified 3" - 300# and 4"-ASA 300#	8
7560-56			Welding Neck Flange	
			Manhole Cover Plate	



#### Relief Valve Materials

Description	A8563, A8564, A8573, A8574
Body	Upper Cold Rolled Steel Lower Ductile Iron
Liner	Stainless Steel
Spring Guide	Stainless Steel
Spring	Coated Steel
Seat Disc	Resilient Synthetic Rubber

\*A special coating is applied to the inlet threads to minimize possibility of electrolytic action.

