# **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 reseat 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.

### **Materials**

D

Body	Duct	ile Iron
Resilient Parts		
Clapper Disc	Stainles	s Steel
Bleeder Valve	Stainles	s 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"-ANSI 300# Welding Neck Flange	8
7560-56		·	Manhole Cover Plate	

NOTE: Studs and Nuts are not included.

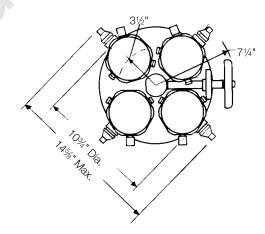
# **Relief Valve Materials**

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

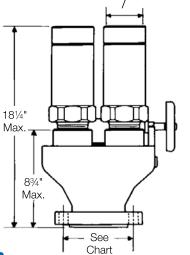
<sup>\*</sup>A special coating is applied to the inlet threads to minimize possibility of electrolytic action.







Pipe-Away Section Will Accept 3" NPT Pipe





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# 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.

# **Flange Dimensions**

Manifold Series	Flange Size	Flange Drilling	Port Diameter	Flange Gasket
A8560	Modified 3" 300# (4" Port Dia)	(8) 1/8" Bolt Holes on a 65%" Bolt Circle Diameter Flat Faced.	4"	3" 7564-48
A8570 AA8570	4" ANSI 300#	(8) 1/8" Bolt Holes on a 71/8" Bolt Circle Diameter 1/16" Raised Faced.	4"	4" 7565-48

REGO 10 YEAR

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

D

### **Spacious Manifold Port**

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

### Gasket

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

# **Ordering Information**

Application			Relief Valve				Flow Capacity SCFM/Air** At				
	Start To			Container			Inlet	Accessories	120% of Set Pressure		
Part Number	Discharge Setting PSIG	LP-Gas	NH3	Flange Connection	Quantity	Part Number	Connection M. NPT	Pipeaway Adapters	UL Rating	ASME Rating	
A8563G				3"-300#*	3	A3149MG			18,500 (2)	Not	
A8564G					4				27,750 (3)		
A8573G					4"-300#	3	A3149MG			18,500 (2)	Applicable
A8574G	250	Yes	Yes	4 -300#	4		2½"	***	27,750 (3)		
A8563AG	250 fes	230 165 165	165	3"-300#*	3					18,300 (2)	
A8564AG			3 -300#	4	A3149G			Not	27,459 (3)		
A8573AG			4"-300#	3				Applicable	18,300 (2)		
A8574AG				4 -300#	4					27,459 (3)	

<sup>\*</sup> For use with modified 300# ANSI flange with 4" port.

<sup>\*\*\*\*</sup> Outlet 31/2-8N (F) thread, will accept 3" M. NPT pipe thread.



<sup>\*\*</sup> Flow rating based on number of relief valves indicated in parentheses ( ) Flow rates shown are for bare relief valves. Adapters and pipeaways will reduce flow rates as discussed in the Foreword section.

<sup>\*\*\* 2&</sup>quot; F. NPT outlet connection.