

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 ensure 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

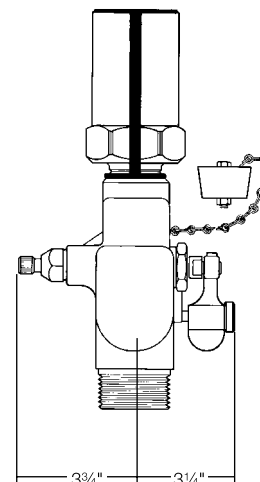
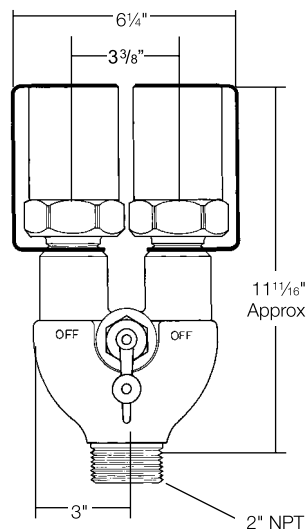
Relief Valve Materials

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.



8542



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	Accessories	UL Rating (at 120% of set Pressure)	ASME Rating (at 120% of set Pressure)
								Pipeaway Adaptors		
8542G	250	Yes	No	2"	2	3135MG	1¼"	3135-10*	5250 (1)	NA
8542AG									NA	5549 (1)
AA8542UA250	265	No	Yes			AA3135MUA250		AA3135-10*	6430 (1)	6341 (1)
AA8542UA265						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 the Foreword section.

Delta Port Relief Valve Manifolds

8530/AA8530 Series

Application

Designed especially for use as a primary relief device on large stationary pressurized storage containers, the base is supplied with a two-inch NPT threaded container connection. 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 hand-wheel 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.

Materials

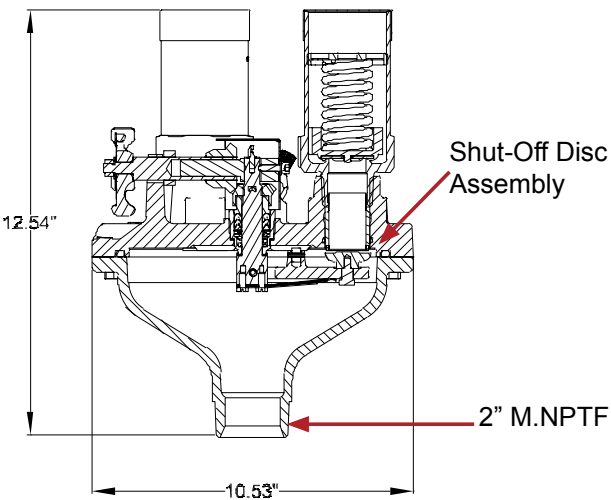
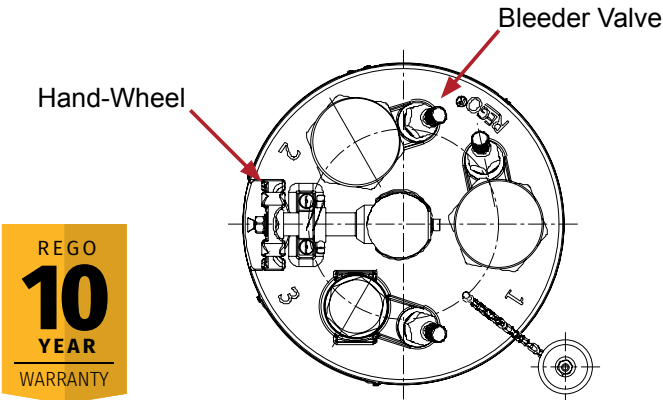
Body Ductile Iron
Resilient Parts Teflon
Clapper Disc..... Stainless Steel
Bleeder Valve Stainless Steel

Relief Valve Materials

Body (3135) Brass
Spring Gide (3135) Brass
Body (AA3135) Aluminum
Spring Guide (AA3135) Aluminum
Spring (3135 & AA3135)..... Stainless Steel
Seat Disc (3135 & AA3135)..... Resilient Synthetic Rubber



8533AG



Ordering Information

Part Number	Start to Discharge Setting PSIG	Application		Container Connection M.NPTF	Relief Valve				ASME Flow Rating SCFM (air) @ 120% of Set Pressure *
		LPG	NH ₃		Qty.	Part Number	Inlet Connection M.NPT	Accessories	
								Pipe-away Adapter**	
8532AG	250	Yes	No	2"	2	3135MG	1¼"	3135-10	5,549 (1)
8533AG					3				11,098 (2)
AA8532MA250		No	Yes		2	AA3135MA250		AA3135-10	6,341 (1)
AA8533MA250					3				12,682 (2)
AA8532MA265	265				2	AA3135MA265			6,615 (1)
AA8533MA265					3				13,230 (2)

* Flow rating based on number of relief valves indicated in parentheses ().
Flow rates shown are for bare relief valves. Adapters and pipe-always will reduce flow rates as discussed in forwarding information in L-500 catalog. ** 2" F. NPT outlet connection

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.

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"-ANSI 300# Welding Neck Flange	8
7560-56			Manhole Cover Plate	

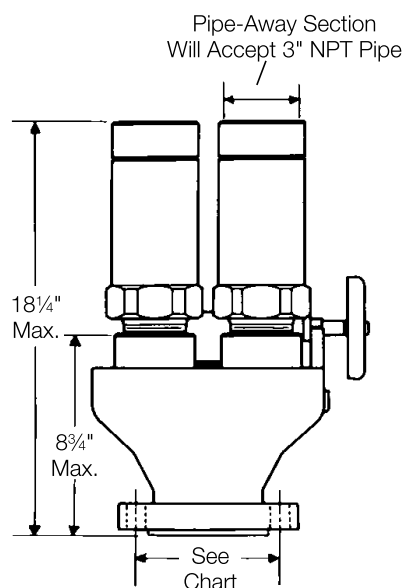
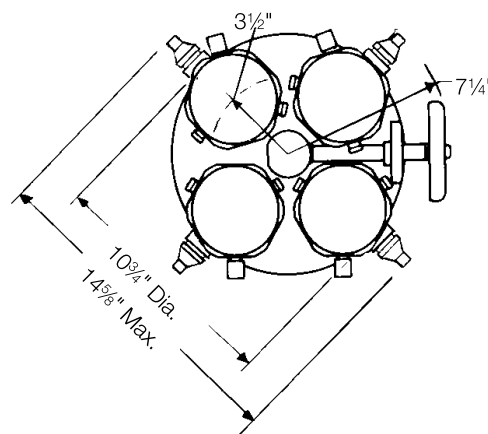
Relief Valve Materials

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

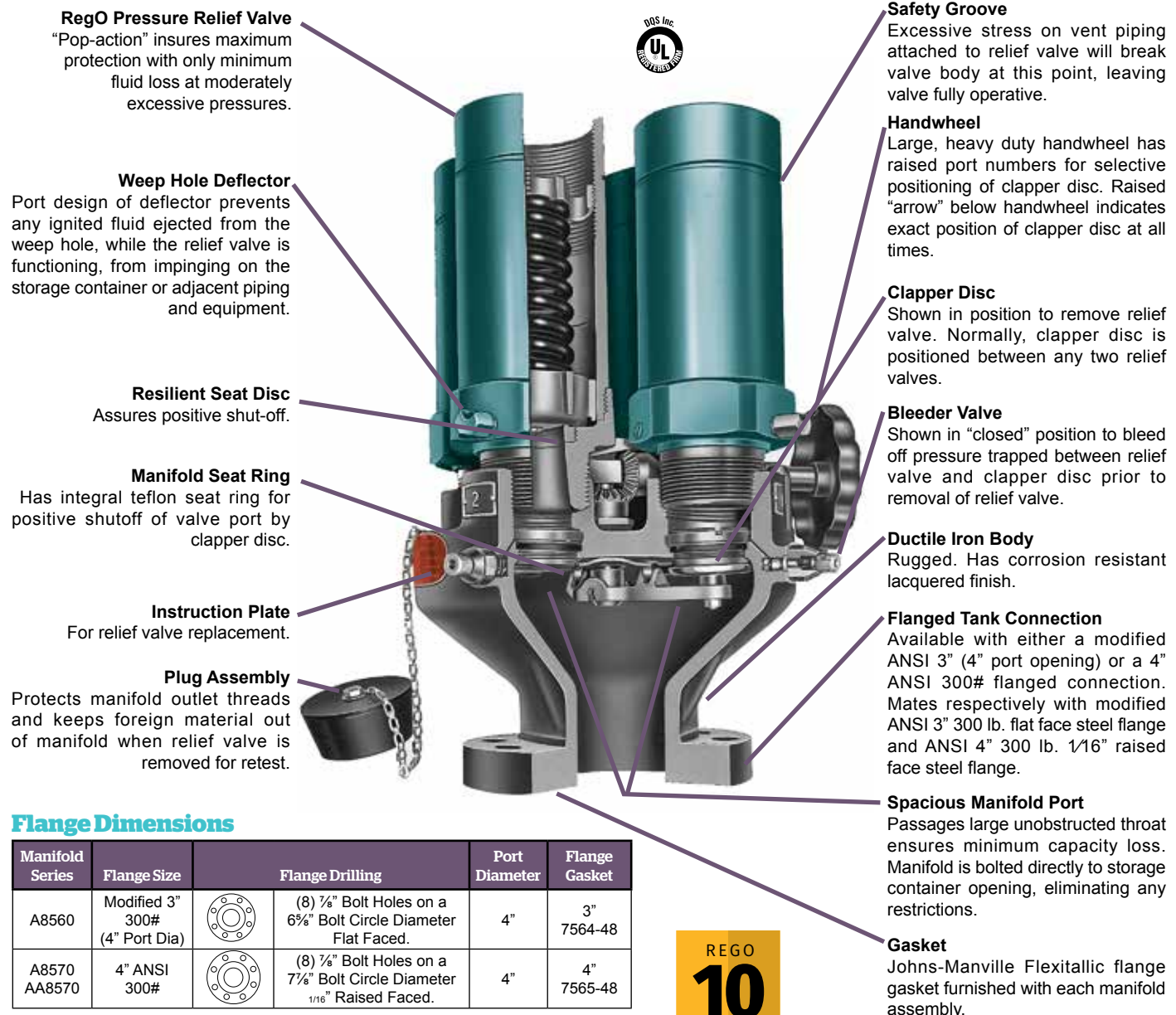
*A special coating is applied to the inlet threads to minimize possibility of electrolytic action.



**A8560
A8570**



Typical RegO Multiport™ Pressure Relief Valve Manifold



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 5/8" Bolt Circle Diameter Flat Faced.	4"	3" 7564-48
A8570 AA8570	4" ANSI 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	Relief Valve				Flow Capacity SCFM/Air** At 120% of Set Pressure	
		LP-Gas	NH ₃		Quantity	Part Number	Inlet Connection M. NPT	Accessories	UL Rating	ASME Rating
								Pipeaway Adapters		
A8563G	250	Yes	Yes	3"-300#*	3	A3149MG	2½"	****	18,500 (2)	Not Applicable
A8564G					4				27,750 (3)	
A8573G				4"-300#	3				18,500 (2)	
A8574G					4				27,750 (3)	
A8563AG				3"-300#*	3	A3149G			Not Applicable	18,300 (2)
A8564AG					4					27,400 (3)
A8573AG				4"-300#	3					18,300 (2)
A8574AG					4					27,400 (3)

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

** 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.

*** 2" F. NPT outlet connection.

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