"Pop-Action" Pressure Relief Valves

CHRYSSAFIDIS

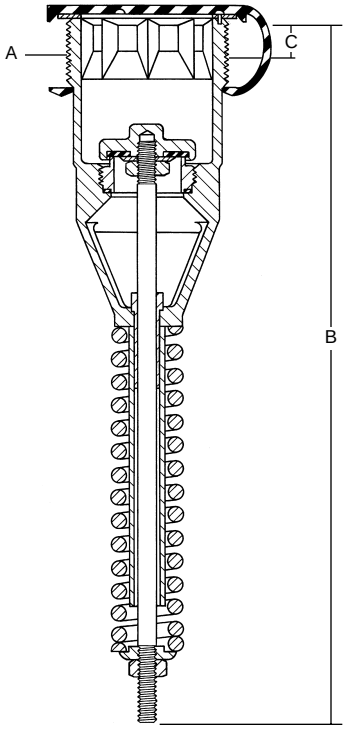
General Information

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, semi-internal, 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 relief valve contained in this catalog with any other service commodity. If you have an application other than conventional LP-Gas or anhydrous ammonia service, contact Engineered Controls International, Inc. 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.

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.)	Flow Capacity SCFM/Air		Suitable for Tanks with Surface Area Up To:*	Protective Cap (Included)
					UL (At 120% of Set Pressure)	ASME (At 120% of Set Pressure)		
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 7/8"	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—whichever is larger.

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