

Excess Flow Valves for Vapor or Liquid

A2137 Series and 2139 Series

Application

Designed especially for filling, withdrawing or vapor equalizing in half and full coupling installations. Ideal for container service where welded-in dip pipes are not provided. For vapor use, mount in the bottom opening with a threaded dip pipe. For liquid use, mount in the top opening with a threaded dip pipe. These may also be installed in pipe lines provided the connection is made to the male inlet thread and not the female dip pipe connection.

Features

- Precision machined.
- Cotter pin helps prevent loss of spring retainer due to vibration in service.
- Stainless steel spring provides consistent closing flow and long service life.
- Generous flow channels provide low pressure drop.

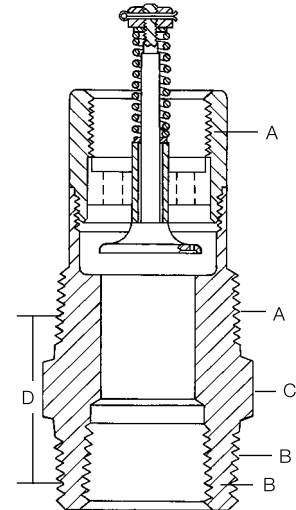
Materials

A2137 Series

Body Cadmium Plated Steel
 Disc..... Cadmium Plated Steel
 Stem Stainless Steel
 Spring Stainless Steel
 Guide Cadmium Plated Steel

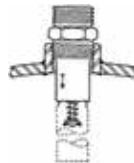
2139 Series

Body Brass
 Disc..... Brass
 Stem Stainless Steel
 Spring Stainless Steel
 Guide Brass



A2137

Typical Installations



Container Service



Pipe Line Service

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Ordering Information

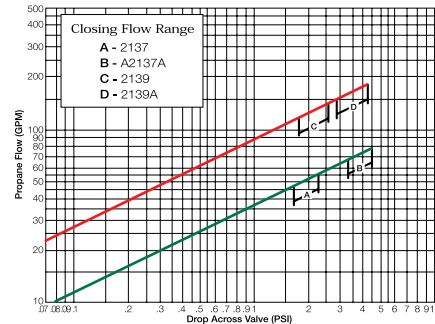
Part Number	A Inlet Connection NPT	B Outlet Connection F. NPT	C Wrench Hex Flats	D Effective Length (Approx.)	Approximate Closing Flows***		
					Liquid (GPM Propane)	Vapor SCFH (Propane)	
						25 PSIG Inlet	100 PSIG Inlet
A2137	2"	2" Male and 1 1/4" Female	2 7/16"	1 1/8"	50	10,000	17,000
A2137A					70	14,000	25,000
2139	3"	3" Male and 2" Female	3 1/2"	1 3/4"	125	26,500	46,000
2139A					160	32,700	57,200

* 1 1/4" F. NPT Dip Pipe Connection

** 2" F. NPT Dip Pipe Connection

*** Based on horizontal installation of excess flow valve. Flows are slightly more when valves are installed with outlet up; slightly less when installed with outlet down.

Performance



NOTE: Multiply flow rate by .94 to determine liquid butane flow and by .90 to determine liquid anhydrous ammonia flow.