

Pull-Away Valves for Transfer Operations

A2141 Series

Application

Designed especially to provide pull-away protection for LP-Gas and anhydrous ammonia transfer operations including transport and delivery truck loading and unloading, engine fuel container filling and miscellaneous cylinder filling operations. When properly fastened to the inlet end of the discharge hose, the valve is designed to stop gas escape from both upstream and downstream lines in the event of a pull-away. An excessive tension pull causes the valve to automatically separate, closing two internal back pressure checks. Only a few cubic centimeters of gas escape at the instant of separation.

It is recommended that a convenient means be provided to safely remove the pressure from the line upstream of each coupling half to enable reassembly of the valve. To reassemble, simply push the male half firmly into the female half until the retaining balls slip into the retaining groove. Check for leaks after reassembly.

NOTE: It is recommended that pull-away valves be maintained and safety tested periodically to confirm that they will separate properly in the event of a pull-away. Lubrication **every six months** is essential to the pull-away's operation. Dry nitrogen or other inert gas is suggested as a source of pressure for pull-away tests.

If the A2141 pull-away valve is going to be stored for a period of time, A2141 Series such as in seasonal applications, it is recommended that it be sprayed with a good grade of rust-preventive machine oil, and covered to protect it from moisture.

Features

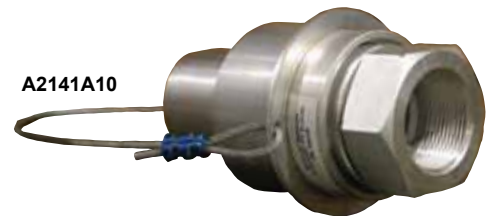
- Heavy-duty construction for long service life.
- A "true" pull-away type valve which simply reconnects by snapping together without unnecessary downtime or need for new parts.
- Buna-N seals provide leak tight operation.
- 400 PSIG operating pressure.

Materials

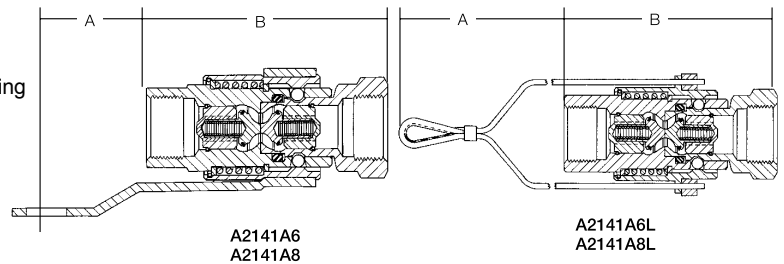
| | |
|---------------------|--------------------------------|
| Body (¾", 1")..... | Cadmium Plated Steel |
| Body (1¼", 2")..... | Cadmium Plated Steel |
| Seals..... | Buna-N Rubber |
| Cables..... | Nylon Coated, Galvanized Steel |



A2141A6

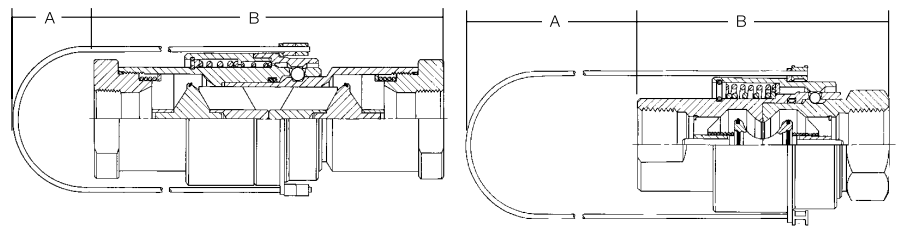


A2141A10



A2141A6
A2141A8

A2141A6L
A2141A8L



A2141A16

A2141A10



Ordering Information

| Part Number | Inlet/Outlet Connections NPT F. | Disconnect Force Approx.-lbs | Reconnect Force Approx.-lbs | Length Of Valve | LP-Gas Liquid Flow Capacity at Various Differential Pressures (GPM)* | | | |
|-------------|------------------------------------|---------------------------------|--------------------------------|-----------------|--|---------|---------|---------|
| | | | | | 5 PSIG | 10 PSIG | 25 PSIG | 50 PSIG |
| A2141A6 | ¾" | 130 | 80 | 3¾" | 11 | 16 | 25 | 36 |
| A2141A6L** | | | | | | | | |
| A2141A8 | 1" | 75 | 50 | 4⅞" | 21 | 30 | 47 | 67 |
| A2141A8L** | | | | | | | | |
| A2141A10 | 1¼" | 160 | 25 | 5⅝" | 52 | 75 | 120 | 170 |
| A2141A16 | 2" | 300 | 50 | 14⅞" | 250 | 350 | 550 | 750 |

* To Determine NH₃ liquid flow capacity, multiply by .90.