



How the Quik-Vent vacuum/pressure relief valve works

When air pressure exceeds the preset setting of the Quik-Vent vacuum/pressure relief valve, the exhaust port instantaneously opens and expels any excessive positive pressure into the atmosphere. Then, after the preset conditions are achieved, the exhaust port closes and seals. When negative pressure exceeds the preset setting, the exhaust port instantaneously opens to allow atmospheric air to enter the container.

The opening and closing of the Quik-Vent vacuum/pressure relief valve exhaust ports is achieved by spring tension, which can be either factory preset or adjusted in the field.

Construction features

The Quik-Vent vacuum/pressure relief valve can be installed indoors or outdoors. The very durable molded cover is made of polyethylene to provide excellent corrosion and weather resistance.

The Quik-Vent vacuum/pressure relief valve tolerates fine, dusty granular powders and comes pre-assembled and ready for installation. It is simple to install and easy to maintain.

Controls unsafe pressure conditions

The Quik-Vent® vacuum/pressure relief valve is an excellent safety device for mounting on storage silos, bins or any other containers to relieve excessive or unwanted air pressure that might be generated by a pneumatic conveying system or other process equipment.

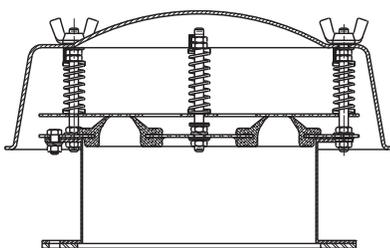
Unsafe conditions are easily controlled by the Quik-Vent vacuum/pressure relief valve. Generous ports quickly exhaust air or gases to protect against sudden positive or negative pressure conditions.

Optional sensors are also available to provide an electrical signal to indicate when over or under pressure conditions are present.

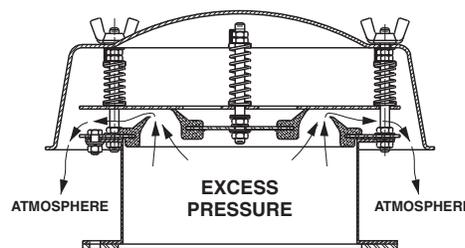
Options

- Sensors to indicate both vacuum and pressure conditions
- Silicone food grade seals
- Custom preset pressure/vacuum settings
- Stainless steel construction

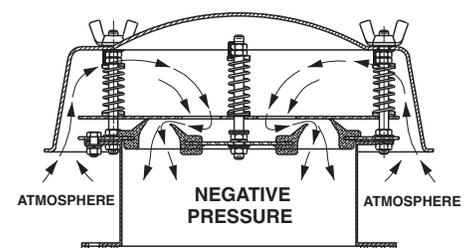
How the Quik-Vent vacuum/pressure relief valve works



Neutral Position

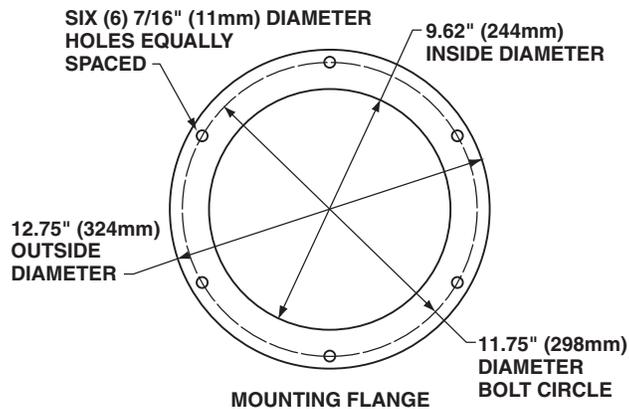
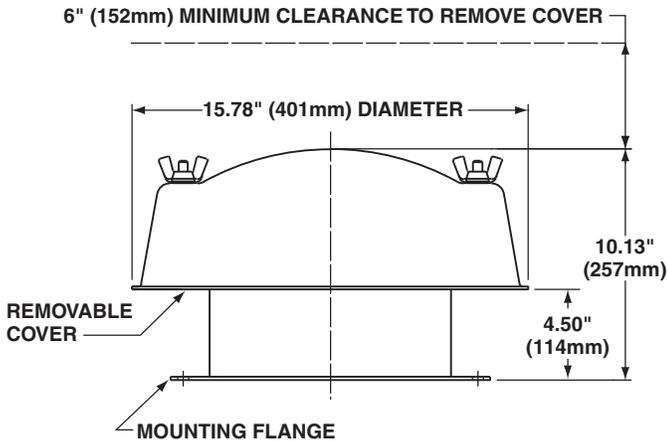


Pressure Relief Position



Vacuum Relief Position

Dimensions and specifications



Optional Stainless Steel Construction with Polyethylene Cover

Maximum setpoints

Pressure: 28" of water (7.0 KPa)

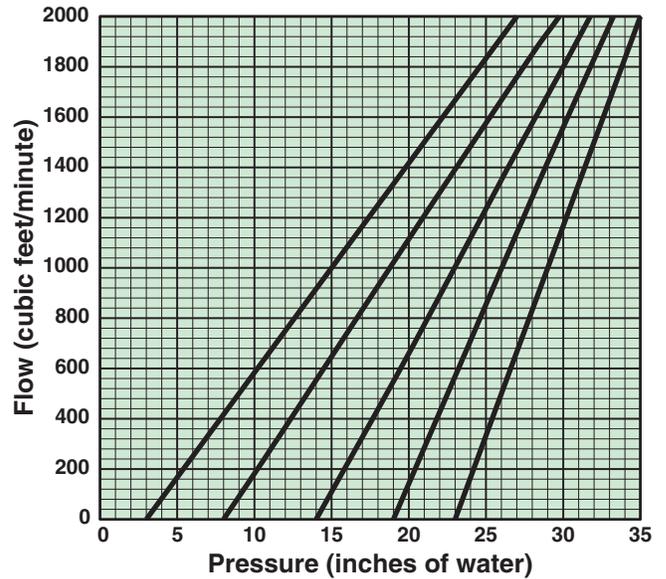
Vacuum: 28" of water (7.0 KPa)

Maximum operating temperature: 150° F (65° C)

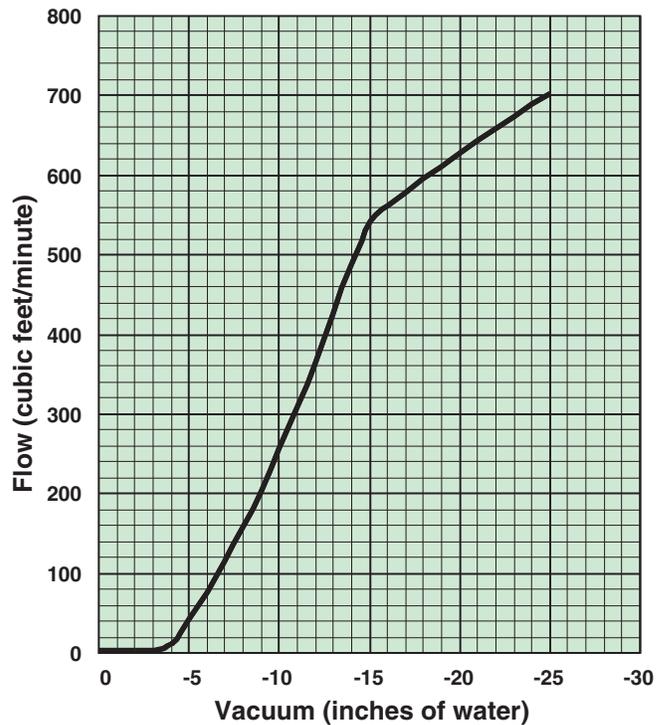
Specifications subject to change without notice.

Engineering data

Pressure Relief Air Flow



Vacuum Relief Air Flow



Dynamic Air® Conveying Systems and Quik-Vent® are registered trademarks of Dynamic Air Inc., St. Paul, MN. US and foreign patents pending.

© 2016 Dynamic Air Inc. • Printed in U.S.A.

Bulletin 20037-1 (dm)