

Trailer/Tank Mounted Air Relief Valves

Adjustable Pressure Setting Valves

Application:	Designed specifically for use on trailer tanks containing dry bulk products. If a system blockage were to occur, the valves are designed to vent to atmosphere once the valve pressure setting is achieved. The advantage of the adjustable air relief valve is that the factory preset pressure can be tuned by -3/+3 PSI to meet tank/application specific pressure requirements (adjustments should be performed by either the tank builder or tank maintenance facility). Not intended for blower service (for blower service applications see the 2182 series air relief valves shown on page 3). Not Rated for ASME Coded Service Requirements
Standards:	Valves have a +1/-0 set pressure tolerance (valve opens at set pressure plus 1 PSI) and are adjustable by -3/+3 PSI . • A2180ADJ has a 2" female NPT and A3180ADJ has a 3" female NPT connection
Materials:	Bayloy vent cowl with aluminum upper, bronze poppet with white food grade silicone diaphragm in the 2180, red silicone diaphragm in the 3180
Features & Benefits:	<ul style="list-style-type: none"> • Available with a variety of pressure settings, see chart below for model specific available pressure settings. Customer should request set pressure at time of order. • Factory preset pressure can be tuned by -3/+3 PSI to meet tank/application specific pressure requirements (adjustments should be performed by either the tank builder or tank maintenance facility) • Relieving capacity (SCFM) varies dependent upon model and pressure setting, see graph on page 7, or for specific relief rates please refer to our website or contact Dixon® • Installed cup seal deters tampering • Bayloy body helps prevent thread galling



Dry Bulk Products



A2180-xxADJ



A3180-xxADJ

Valve Series	Valve Connection	Available Factory Set Pressure Range (PSI) ¹	Set Pressure Tolerance (PSI)	Diaphragm Material	Relieving Capacity (SCFM) ²
A2180/xxADJ	2" female NPT	9 to 30	+1/-0	white food grade silicone	500 to 950
A3180/xxADJ	3" female NPT	9 to 30	+1/-0	red silicone	750 to 1500

¹ Request the required pressure setting when ordering (xx refers to choice of pressure setting)

² Relieving capacity (SCFM) varies with set pressure, for specific rates please refer to our website or contact Dixon®

- Relieving pressure is factory set at **71°F (21°C)**, high temperatures will affect the actual relieving pressure.
- See page 21 for air relief testing equipment

Boss-Lock™ Coupler x Tube with 45° Cut

Application:	For use on trailer relief valves.
Material:	356T6 aluminum
Features & Benefits:	<ul style="list-style-type: none"> • Butt weld tubing • Buna-N gaskets standard, other gaskets available • All Boss-Lock™ couplers are supplied with pull-ring safety clips



Part #	Description
AC200TUBE	2" Boss-Lock™ coupler x tube with 45° cut

Product instruction sheets and technical data, can be viewed at dixonvalve.com