


Trailer/Tank Mounted Air Relief Valves

Adjustable Pressure Setting

Application:	The Bayco A2180ADJ and A3180ADJ series of air relief valves are 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 A2180/A3180 Series trailer/tank relief valves are designed for trailer or tank service only. (for blower service applications see the 2182 series air relief valves ) shown on page 931)
Standards:	These valves have a +1/-0 set pressure tolerance (valve will open at set pressure plus 1 PSI) and are adjustable by -3/+3 PSI. A2180ADJ has a 2" female NPT and the A3180ADJ have a 3" female NPT connection.
Materials:	Bayloy vent cowl with aluminum upper, bronze poppet with white food grade silicone diaphragm in the A2180ADJ, red silicone diaphragm in the A3180ADJ
Features & Benefits:	<ul style="list-style-type: none"> • Available with a wide variety of pressure settings, see order chart below for model specific available pressure settings. Customer should request set pressure at time of order. • 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). • Relieving capacity (SCFM) varies dependent upon model and pressure setting. See order chart below, or for specific relief rates please refer to our website or contact Dixon. • Installed cup seal deters unauthorized tampering • Bayloy body eliminates thread galling



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 21C, high temperatures will affect the actual relieving pressure.
- See page 953 for air relief testing equipment
- A2180-ADJ and A3180ADJ series trailer/tank relief valves are designed for trailer or tank service only. These valves are not for blower use. For blower service use the 2182 series blower air relief valves as shown on page 931. 

PVC Coated Lanyards



CAL15

Part #	Description
CAL15	15" long PVC coated carbon steel cable, with aluminum crimp sleeves. One end is factory crimped, other end is un-crimped for field inspection.
CAL25	25" long PVC coated carbon steel cable, with aluminum crimp sleeves. One end is factory crimped, other end is un-crimped for field inspection.

Product instruction sheets and technical data can be viewed on our website at dixongroupcanada.com by selecting the 'Resources' menu.