

Trailer/Tank Mounted Air Relief Valve

Fixed 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. Not intended for blower service (for blower service applications see the 2182 series air relief valves shown on page 931)
Standards:	Available with 2 set pressure tolerances: 1) 2180/3180 series have a +3/-0 set pressure tolerance (valve opens at set pressure plus 3 PSI) 2) A2180/A2182/A3180 series have a +1/-0 set pressure tolerance (valve opens at set pressure plus 1 PSI) <ul style="list-style-type: none"> • 2180/A2180/A2182 are available with 2" male or female NPT, cam and groove adapter or grooved pipe connections. • 3180/A3180 are available only with 3" female NPT connections
Materials:	Bayloy vent cowl with aluminum upper, bronze poppet with white food grade silicone diaphragm in the 2180/A2180/A2182, red silicone diaphragm in the 3180/A3180
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. • Relieving capacity (SCFM) varies dependent upon model and pressure setting. See chart below, or for specific relief rates please refer to our website or contact Dixon. • Installed cup seal deters tampering • Bayloy body eliminates thread galling • PVC coated wire lanyard available for securing air relief valves (see page 935)



2180



2180B



2180V



3180

Valve Series	Valve Connection	Available Factory Set Pressure Range (PSI) ¹	Set Pressure Tolerance (PSI)	Diaphragm Material	Relieving Capacity (SCFM) ²
2180-xx	2" female NPT	2 to 25	+3/-0	white food grade silicone	500 to 950
A2180-xx	2" female NPT	2 to 27	+1/-0	white food grade silicone	500 to 950
A2182F-xx	2" female NPT	6 to 27	+1/-0	white food grade silicone	800 to 1700
A2182M-xx	2" male NPT	6 to 27	+1/-0	white food grade silicone	800 to 1700
2180B-xx	2" cam & groove adapter	2 to 25	+3/-0	white food grade silicone	500 to 950
A2180B-xx	2" cam & groove adapter	2 to 27	+1/-0	white food grade silicone	500 to 950
A2182B-xx	2" cam & groove adapter	6 to 27	+1/-0	white food grade silicone	800 to 1700
2180V-xx	2" grooved end	2 to 25	+3/-0	white food grade silicone	500 to 950
A2180V-xx	2" grooved end	2 to 27	+1/-0	white food grade silicone	500 to 950
A2182V-xx	2" grooved end	6 to 27	+1/-0	white food grade silicone	800 to 1700
3180-xx	3" female NPT	4 to 30	+3/-0	red silicone	750 to 1500
A3180-xx	3" female NPT	6 to 32	+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 page 937 or contact Dixon

- Relieving pressure is factory set at 21C, high temperatures will affect the actual relieving pressure.
- 2180/3180/A2180/A2182/A3180 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.
- See page 1046 for repair kits
- See page 953 for air relief testing equipment



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