


Trailer/Tank Mounted Air Relief Valves

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 3). 
Standards:	2180/3180 series have a +3/-0 set pressure tolerance (valve opens at set pressure plus 3 PSI): <ul style="list-style-type: none"> • 2180 are available with 2" male or female NPT, cam and groove adapter or grooved pipe connections. • 3180 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, 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. • Relieving capacity (SCFM) varies dependent upon model and pressure setting. See graph 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 • PVC coated wire lanyard available for securing air relief valves with cam and groove adapter or groove pipe connections



2180



2180B/15



2180V/15



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
2180/15	2" NPTF air relief valve	15	+3/-0	white food grade silicone	500 to 950
2180/18	2" NPTF air relief valve	18	+3/-0	white food grade silicone	500 to 950
2180B/15	2" cam and groove adapter	15	+3/-0	white food grade silicone	500 to 950
2180V/15	2" grooved	15	+3/-0	white food grade silicone	500 to 950
3180/xx	3" female NPT	4 to 30	+3/-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®

- See page 29 for repair kits
- See page 21 for air relief testing equipment

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 at dixonvalve.com