

Blower Air Relief Valves

Application:	Designed specifically for use on tractor mounted air blowers. The 2182 air relief valves have a temperature compensated pressure relief setting to accommodate the high temperatures and dynamic air produced by the blower. If a system blockage were to occur, the valves are designed to vent to atmosphere once the valve pressure setting is achieved.
Standards:	The 2182 valve will relieve at the ordered set pressure at a temperature of 400°F / 204°C. At room temperature (73°F / 22°C) the 2182 valve will relieve approximately 4 PSI higher than the ordered set pressure. The product label shows the set relief pressure at the blower operating temperature, plus the relief pressure at 73°F / 22°C (for testing purposes). Depending on the blower type, amount of vibration and operating temperature a difference of observable set pressure may occur. Example: 2182-18 is set to relieve at 18 PSI while at operating temperature. This same valve will test at 22 PSI while at room temperature on a test bench. Both set points are listed on the label. Available with 2" male or female NPT connections.
Materials:	Aluminum anodized hard coat body, white food grade silicone poppet and diaphragm
Features & Benefits:	<ul style="list-style-type: none"> • The popular pressure setting for truck mounted blowers is 18 PSI. Valves are available for other applications with temperature compensated pressure settings of between 3 PSI and 24 PSI. Customer should request set pressure at time of order. • High relieving capacity varies between 800 SCFM and 1700 SCFM depending upon the chosen set pressure. For specific relief rates please refer to our website or contact Dixon. • Installed cup seal deters tampering • Anodized aluminum body reduces thread galling



2182F



2182

Part #	Connection
2182F-xx	2" Female NPT
2182M-xx	2" Male NPT

- xx refers to choice of pressure setting, request the required pressure setting when ordering.
- At 73°F / 22°C the 2182 valve series will relieve at 4 PSI higher than the ordered set pressure setting.
- relieving capacity (SCFM) varies with set pressure, for specific rates please refer to the charts on page 937 or contact Dixon
- 2182 series blower relief valves are designed for blower service only. These valves are not for trailer/tank use. For trailer/tanks, use the 2180, A2180, A2182, 3180 & A3180 series air relief valves as shown on page 934.
- See page 953 for air relief testing equipment