

# Products for Blowers

## Blower Air Relief Valves

<b>Application:</b>	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.
<b>Standards:</b>	<ul style="list-style-type: none"> <li>• The 2182 valve will relieve at the ordered set pressure at a temperature of <b>400°F (204°C)</b>.</li> <li>• At room temperature <b>73°F (22°C)</b> the 2182 valve will relieve approximately <b>4 PSI</b> higher than the ordered set pressure.</li> <li>• The product label shows the set relief pressure at the blower operating temperature, plus the relief pressure at <b>73°F (22°C)</b> (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 <b>18 PSI</b> while at operating temperature. This same valve will test at <b>22 PSI</b> while at room temperature on a test bench. Both set points are listed on the label.</li> <li>• Available with 2" male or female NPT connections</li> </ul>
<b>Materials:</b>	Aluminum anodized hard coat body, white food grade silicone poppet and diaphragm
<b>Features &amp; Benefits:</b>	<ul style="list-style-type: none"> <li>• The popular pressure setting for truck mounted blowers is <b>20 PSI</b>. Valves are available for other applications with temperature compensated pressure settings of between <b>3 PSI</b> and <b>24 PSI</b>. Customer should request set pressure at time of order.</li> <li>• High relieving capacity varies between <b>800 SCFM</b> and <b>1700 SCFM</b> depending upon the chosen set pressure; for specific relief rates please refer to our graph on page 7 or contact Dixon®.</li> <li>• Installed cup seal deters tampering</li> <li>• Anodized aluminum body reduces thread galling</li> </ul>

Dry Bulk Products



2182F



2182

Part #	Connection
<b>2182F/xx</b>	2" NPTF air relief valve with special factory setting, see note xx below
<b>2182F/18</b>	2" NPTF air relief valve <b>18 PSI</b> setting
<b>2182F/20</b>	2" NPTF air relief valve <b>20 PSI</b> setting
<b>2182/xx</b>	2" NPTM air relief valve with special factory setting, see note xx below
<b>2182/18</b>	2" NPTM air relief valve <b>18 PSI</b> setting
<b>2182/20</b>	2" NPTM air relief valve <b>20 PSI</b> setting

- Request the required pressure setting when ordering (xx refers to choice of pressure setting).
- See chart on page 6 for factory pressure range offered.
- See page 21 for air relief testing equipment