

Weighted Relief Valves

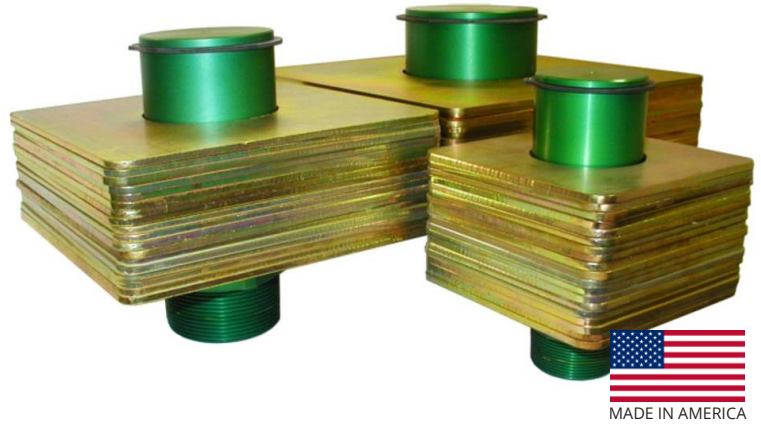
Aluminum, 2" through 4"

Weighted relief valves are popular due to their ease of operation and simple maintenance. Valves can be set between 1 PSIG through 15 PSIG using calibrated removable weights.

OPERATION: A weighted cap rides on a machined "piston". When the pressure exerted on the cap is greater than the weight of the cap, the cap rises allowing air to escape. The relief valve does not fully relieve until the weight of the cap and the accumulation factor is exceeded. The accumulation factor is the percent of set point pressure required to initially move the cap. The set pressure of the relief valve is modified by adding or removing weights. Each weight represents a change of set point of 0.5 psi.

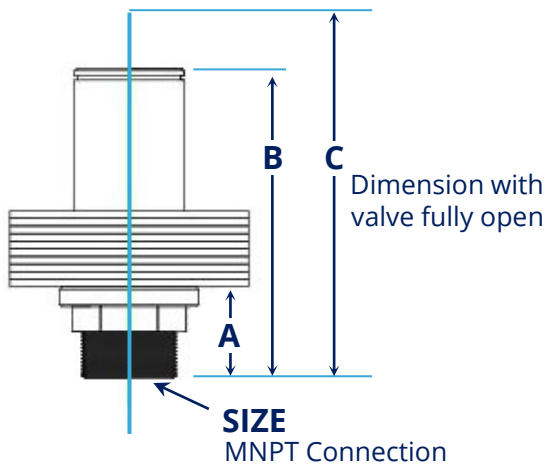
MAINTENANCE: Rotate cylinders by hand on a monthly basis.

MATERIAL: Anodized and heat-treated aluminum with machined operating surfaces.



INSTALLATION: Relief valves must be mounted in the vertical position to assure proper operation. The relief valve is installed on the discharge side of the blower, before any valves, preferably immediately after a silencer if one is supplied. An optional retainer ring is available to ensure the setting is tamper proof.

DIMENSIONS



SIZE	2"	3"	4"
A	2.31"	3.18"	3.31"
B	7.81"	8.68"	8.75"
C	9.25"	10"	11"
0.5 PSIG Weight	6" Square 8.87" Diagonal	9.31" Square 12.62" Diagonal	12" Square 16.37" Diagonal
1.0 PSIG Weight	8.12" Square 10.81" Diagonal	12.75" Square 17.43" Diagonal	16.37" Square 22.56" Diagonal

CAPACITY

