

# Weighted Relief Valves

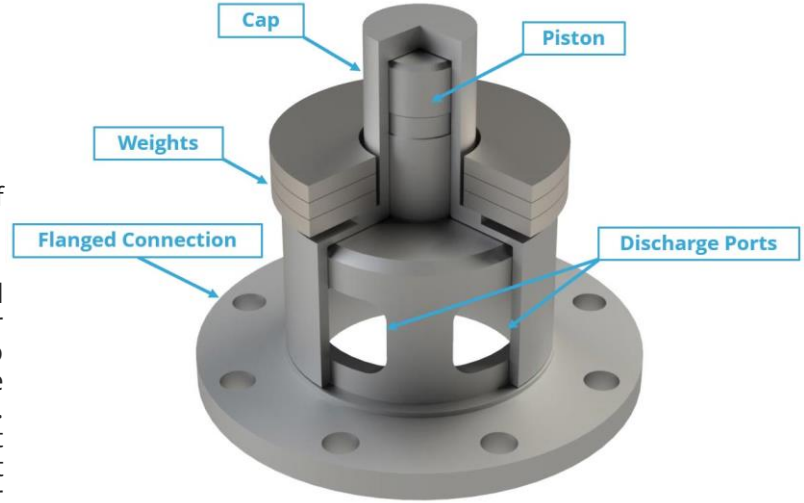
## Cast Iron, 6" & 8"

Weighted relief valves are popular due to their ease of operation and simple maintenance.

**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. Weights are available in 0.5 and 1 psi increments.

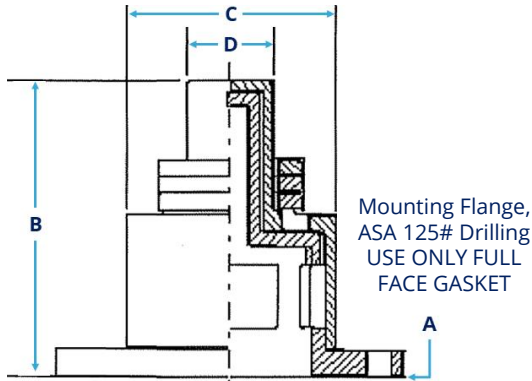
**MAINTENANCE:** Rotate cylinders by hand on a monthly basis. Use a light oil on the piston to prevent rust.

**MATERIAL:** Cast Iron



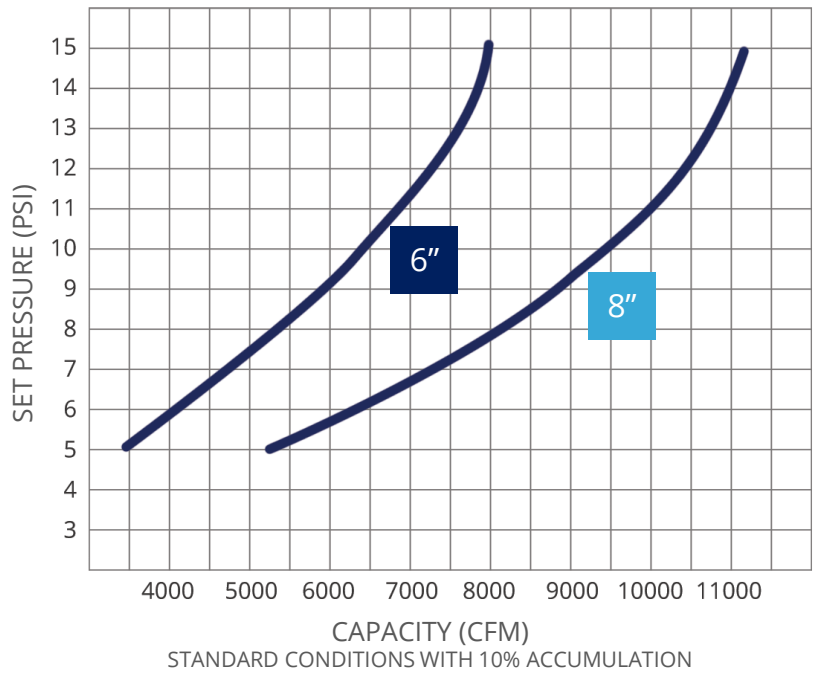
**INSTALLATION:** Install with full face flange only. Relief valves must be mounted in the vertical position to assure proper operation. The relief valve is installed on the discharge side of the blower, before any valves, preferably immediately after a silencer if one is supplied.

### DIMENSIONS



SIZE	6 INCH	8 INCH
A	6"	8"
B	9.625"	11.25"
C	6.5"	9.25"
D	2.625"	2.75"
Flange Diameter	11"	13.5"
Bolt Circle	9.5"	11.75"
Bolts Required	8	8
Bolt Diameter	0.75"	0.75"
Weight (Base valve)	47 LB	67 LB
Weight (Each 0.5 psi weight)	1.5 LB	3.5 LB
Weight (Each 1 psi weight)	3 LB	7 LB

### CAPACITY



**NOTE:** Valve not recommended to relieve at set pressures under 5 psig