



Application

This WellMark Relief Valve is for the control of vapor emissions. It can be used on glycol dehydrator reboilers to meet EPA standards or any situation where pressure in ounces is to be controlled.

Specifications

Process Connection	2" Male NPT Inlet x 2" Female NPT Outlet
Gauge Connection	1/4" Female NPT
Temperature	400°F (204°C)
Pressure Setting	3 ounces to 12 pounds
Orifice	1-5/8" Diameter
Spring Range	3 oz. to 12 oz. 3/4 lb. to 4 lb. 3 lb. to 12 lb.

Flow Data

SCFM figures below are approximate. They are derived by using the standard relief valve formulas:

$$\text{SCFM} = (\text{Set Pressure} + 3 \text{ psi} + \text{Atmospheric Pressure}) \times \text{slope}$$

$$\begin{aligned} \text{Atmospheric Pressure} &= 14.7 \text{ psi} \\ \text{Slope for Vapor Relief Valve} &= 4.806 \end{aligned}$$

<u>Set Pressure</u>	<u>Approx. Flow SCFM</u>
1.3 oz.	85
4 oz.	86
8 oz.	87
12 oz.	88
1 lb.	89
2 lb.	95
3 lb.	99
4 lb.	104
5 lb.	109
6 lb.	114
7 lb.	119
8 lb.	124
9 lb.	128
10 lb.	133
11 lb.	138
12 lb.	143