



# Safety Valves

SN 1733 -7 1/1

The VRL valves are designed to protect blowers and / or motors from over pressurization or excess vacuum. When there is over pressurization, the valve opens and discharges to the outside. When there is excess in vacuum, the valve opens and takes flow from outside.

The valves have been designed for low pressure / low vacuum, with minimal difference between the initial value at which the valve begins to open and its fully opened position. The valves are supplied with 2 different springs to maximize their efficiency. These compact valves, made of aluminum alloy, are both easy to install and calibrate, and operate in a wide range of capacities. The VRL can be plumbed to divert excess primary flow through a secondary external outlet when working in pressure conditions, or to pipe in a secondary flow when working in vacuum.

"HP" valves are used for pressures >240" H2O.

Maximum efficiency is achieved by keeping operating values (flow versus pressure or vacuum) within the operating range (shaded area on graph). Capacity refers to air having a density equal to 0.075 lbs./cu.ft.

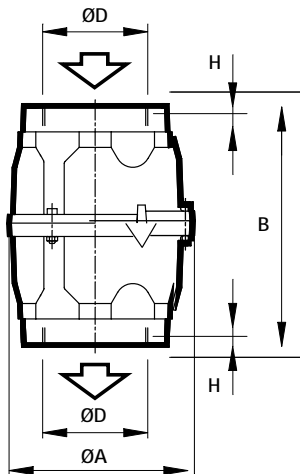
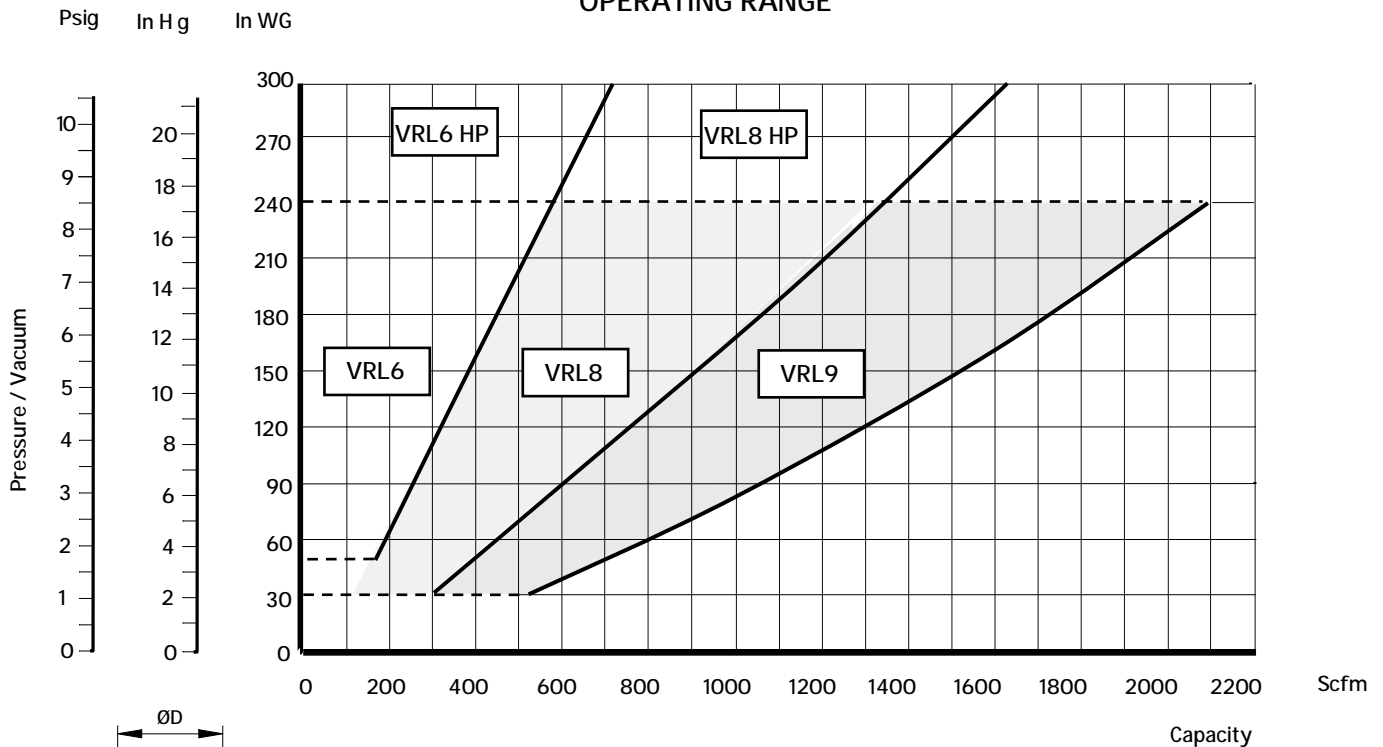


VRL6  
VRL6 HP

VRL8  
VRL8 HP

VRL9

### OPERATING RANGE



### OVERALL DIMENSIONS

TYPE	ND	D	A	B	H	WEIGHT (Lbs)
VR6 & VRL6 HP	2"	2" NPT	4.02	6.90	0.47	1.9
VRL8 & VRL8HP	3"	3" NPT	5.31	7.48	0.59	4.2
VRL9	4"	4" NPT	6.30	8.11	0.71	5.7

- Dimensions in inches.
- Specifications subject to change without prior notice.

VRL valves are supplied uncalibrated - contact FPZ for calibration options.