



Series 35-WW Wastewater Service Air and Vacuum Valves



- **Stainless Steel Trim Standard**
- **Stainless Steel Floats Guaranteed**
- **Fully Ported Valves - No Restrictions**
- **Designed For Drip Tight Seal At Low Pressures**
- **Optional Backwash Kit Available**

The Cla-Val 35WW Series Air and Vacuum Valve is designed to perform two separate functions in a sewage or wastewater system. First, it will allow large quantities of air to be exhausted from the pipeline as it is being filled. When this air has been vented completely, liquid will enter the valve causing the float to seal tightly against the seat. Secondly, if the line is being drained, the valve responds to the loss in pressure and opens. This allows air to re-enter the pipeline and prevents potentially damaging vacuum from developing.

The 35WW Series does not open under pressure to exhaust small quantities of air which may collect at high points during normal system operation. Model 34WW Air Release Valve is required for this function. For both functions, select Model 36WW Combination Air Release and Vacuum Valve.

Installation

35WW Series Air and Vacuum Valves should be installed at high points or at grade changes within the pipeline. Mount the unit in the vertical position on top of the pipeline with isolation valve below each valve in the event servicing is required. A vault with adequate venting and drainage should also be provided.

For regular cleaning to keep sewage equipment in good working condition use the optional customer installed BWKT Backwash Kit with back flushing hose and quick disconnect couplings.

Purchase Specifications

The air and vacuum valve shall be able to automatically exhaust large quantities of air during filling of a pipeline and allows air to re-enter pipeline during the draining or when a negative pressure occurs.

The inlet and outlet of the valve shall have the same cross-section area. The float shall be guided by a synthetic rubber seal.

The float shall be of all stainless steel construction and capable of withstanding maximum system surge pressure without failure. The body and cover shall be concentrically located and of ductile iron and the valve internal parts shall be of stainless steel with Buna-N® rubber seat.

The Air and Vacuum Valve shall be manufactured per ANSI/AWWA C512-04 35WW Series from Cla-Val Costa Mesa, CA, U.S.A.

Specifications

Sizes

2", 3", 4" NPT
4", 6" 8" flanged ANSI
Class 125 lb.
Class 250 lb.

Pressure Rating

150 psi & 300 psi ratings

**NOTE: SPECIFY WHEN
OPERATING PRESSURE
BELOW 10 PSI**

Materials

Body and Cover:

Ductile Iron ASTM A536
65-45-12

Float:

Stainless Steel

Internal Parts:

Stainless Steel

Seal:

Buna-N® Rubber

Size		Height		Major Dia.	Weight	
Inlet	Outlet	Valve	w/Attachments		Plain	w/Attachments
2" NPT 50	1" NPT 25	16.25" 413	20" 508	7" 178	41 19	55 25
2" NPT 50	2" NPT 50	19.75" 502	23.5" 597	9.5" 241	85 39	115 52
3" NPT 80	3" NPT 80	19.75" 502	23.75" 603	9.5" 241	85 39	118 54
4" NPT 100	4" Plain 100	30" 762	35.25" 895	12" 305	130 59	200 91
6" FLG 150	6" Plain 150	32.5" 826	36.5" 927	16" 406	190 86	290 132
8" FLG 200	8" Plain 200	36" 914	40" 1016	18" 457	310 141	430 195

Inch
Millimeter

Pounds
Kilograms

4" (100mm) and larger flanged outlets available.

When Ordering, Please Specify:

1. Model Number
2. Inlet Size
3. Optional Backwash Kit