



# Series 36-WW Wastewater Service Combination Air Valves



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

The Cla-Val Series 36WW Combination Air and Vacuum Valve is a multipurpose valve that combines the operation of both the Series 34WW Air Release Valve and Series 35WW Air and Vacuum Valve, especially for sewage and wastewater applications. It functions to exhaust large quantities of air in the pipeline during the filling cycle and to admit air, as necessary, to prevent a potentially dangerous vacuum from forming when being emptied either intentionally or as a result of pipeline breakage.

**Note: Cla-Val Air Valves are manufactured to meet ANSI-AWWA C512-92 Standards.**

## Installation

The Series 36WW Combination Air Valve should be installed at high points and grade changes within the pipeline.

Mount the unit in the vertical position on top of the pipeline with an isolation valve installed 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 Specification

The combination air valve shall combine the operating features of both an air and vacuum valve and an air release valve in one housing. The air and vacuum valve portion shall automatically exhaust large quantities of air during the filling of the pipeline and automatically allow air to reenter the pipeline when the internal pressure of the pipeline approaches a negative value due to column separation, draining of the pipeline, or other emergency. The air release valve portion shall automatically release small amounts of air from the pipeline while it is under pressure.

The inlet and outlet of the valve shall have the same cross-section area. The float shall be guided by a stainless steel guide shaft and seat drip-tight against 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 all valve internal parts shall be stainless steel with Buna-N® rubber seat. Must be Manufactured per ANSI/AWWA C512-04

The Combination Air Release and Vacuum Valve shall be Model 36WW from Cla-Val., Newport Beach, CA, U.S.A.

## Specifications

### Sizes - Inlet & Outlet

2", 3", 4" NPT

### Working

#### Pressure Ratings

175 psi & 300 psi ratings

### Standard Pressure

Air Release Orifice  
1/8" Diameter

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

### Materials

Body and Cover:  
Ductile Iron ASTM  
536 65-45-12

### Float:

Stainless Steel

### Internal Parts:

Stainless Steel

### Seal:

Buna-N® Rubber

## When Ordering, Please Specify

1. Model Number
2. Inlet Size (minimum is 2" NPT)
3. Inlet Pressure Rating
4. Orifice Size (175 psi 1/8") (300 psi 3/32")
5. Optional Backwash Kit (see page 70)