



AMERICAN

Manufacturing Company, Inc.

AIR & VACUUM RELEASE

Automatic (Continuous) Air Release Valve

This type of air valve has a small orifice that releases small amounts of air after the system pressurizes and the larger air/vacuum vents are closed. The small orifice size is not usually sufficient for intaking enough air at shutdown to prevent vacuum formation.

Air Release/Vacuum Relief Valve

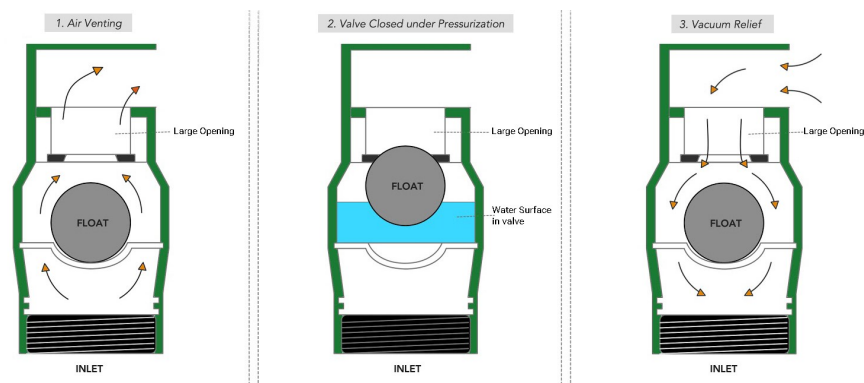
This type of valve is often referred to as a kinetic air valve, large orifice air valve, a vacuum breaker, and even an air relief valve. These will discharge large volumes of air while the pipelines are filling or pressurizing, as well as admitting air back into the system when lines are draining or de-pressurizing. However, they cannot release the small, residual air pockets that form while in operation. The image below shows the process of the Air/Vacuum Valve.

1. Air venting as the system fills with water.
 2. System full and pressurized, water fills valve and closes off the vent.
- Reduced pressure allows float to drop at system shutdown, and air is drawn into the system, preventing vacuum conditions.

Combination Air/Vacuum Relief and Air Release Valve

As the name implies, this valve, also known as a double orifice valve, does the job of the other two in a single unit. Allowing large quantities of air in and out when needed and releasing small amounts of air continuously during operation. The combination air/vacuum valves can be used in place of either of the other types.

See our selection of Air/Vacuum Relief Valves here.



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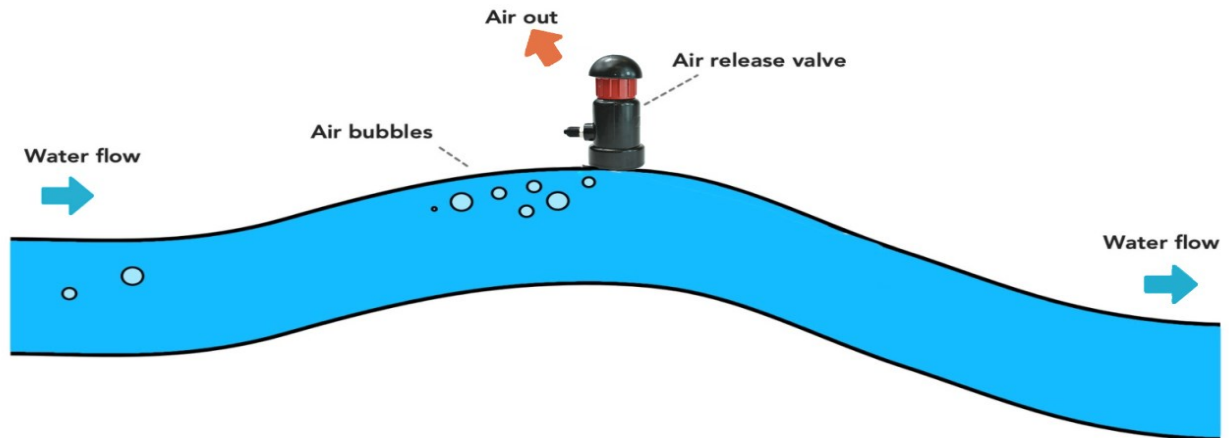


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Example with Air Release Valve



AIRRELEASE1



AIRRELEASE1COM



AIRREL925L



AIRVENT1

ITEM	DESCRIPTION
AIRRELEASE1	AIR RELEASE VALVE, 1"
AIRVENT1	1" AIR VENT W/ SHRADER VALVE
AIRRELEASE1COM	AIR/VACUUM CONTINUOUS ACTING
AIRREL925L	AIR RELEASE VALVE 2"
AIRRELEASE2	AIR RELEASE VALVE, 2" GUARDIAN

*Contact American for additional applications and item numbers

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AIRRELEASE2