

Pressurized Potable Water Valves



Pressurized Air Release Valves
Sizes 1" - 8"



Pressurized Air & Vacuum Valves
Sizes 1/2" - 16"

Pressurized Sewer Valves



How They Work

Air Release Valves are used to automatically vent the air that can become trapped in any pipeline conveying fluid. They should be placed at strategic high points along the pipeline, where trapped air can accumulate.

Purging air from the pipeline is important because trapped air significantly reduces pump and/or pipeline efficiency and life.

The opening in the outlet of the air valve should be sized to adequately release the projected amount of air build up. Air Release Valves should be installed with an isolation valve to facilitate removal from the pipeline (should the valve fail or require maintenance) without having to shut the pipeline down.

Air & Vacuum Valves, like Air Release Valves automatically vent trapped air from the pipeline. They also allow large amounts of air to reenter the line in the event of a rapid, large scale fluid discharge (such as a major break in the line or rapid discharge thru the use of hydrants). The Air & Vacuum Valve prevents a vacuum from occurring by using a large orifice in the top of the valve to let an adequate amount of air to enter the pipeline.

Air Release and Air & Vacuum Valves for pressurized sewer applications serve the same purpose and operate the same way as pressurized water Air Release and Air & Vacuum Valves. The only difference is that the working components of the sewerage valves are removed from the liquid area by using a longer body and a stem on the float. This design difference prevents contamination and mechanical fouling due to solids entering the valve.

Material Specifications:

- Valve Casting – Cast iron body, flange and top ASTM A48 Class 30 or A126 Class B.
- Floats – All valves are supplied with stainless steel floats rated at 1,000 psi collapse pressure.
- Trim – Stainless steel ASTM A276 or bronze ASTM B62.
- Pressure Rating – All valves are rated for 300 psi cold water working pressure.

SIZE	PRODUCT NUMBERS			
	WATER		SEWER	
	AIR	AIR & VACUUM	AIR	AIR & VACUUM
1/2"	40884	NA	NA	NA
1"	40902 2	40904	NA	NA
2"	40910 4	40910 3	40924	40911

NOTE: These valves have a variety of options. Please call your local Team EJP office for assistance in accurately sizing Air Release and Air & Vacuum Valves for your specific needs.