

NEW

Air Valves



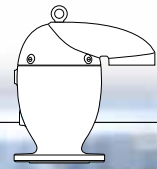
BERMAD is proud to present today's most advanced air valves

BERMAD Air Valves

Next generation air control

Water Control Solutions





New from BERMAD

For nearly half a century BERMAD has been the recognized pioneer and world leading provider of high quality hydraulic control valves. Its close relationship with customers, together with its market-driven product development, allows BERMAD to deliver innovative solutions that have proven themselves in the Irrigation, Waterworks, and Fire Protection industries.

BERMAD's new advanced line of air valves now joins its extensive line of hydraulic control valves to create **comprehensive control solutions for pressurized pipelines and networks**. System engineers and end-users can now design and install far more optimized solutions for their system requirements.

The critical importance of air in water systems

All water systems contain dissolved air. Changes in flow velocity, temperature or pressure increase the volume of air, creating air pockets in the system that lower flow efficiency and lead to excessive pressure or even blockage. Sudden movements of compressed air pockets can produce severe pressure, or water hammers that cause serious mechanical damage to pipes, seals, gaskets, or fittings. On the other hand, lack of required air intake can cause a vacuum, leading to pipe collapse and serious mechanical damage.

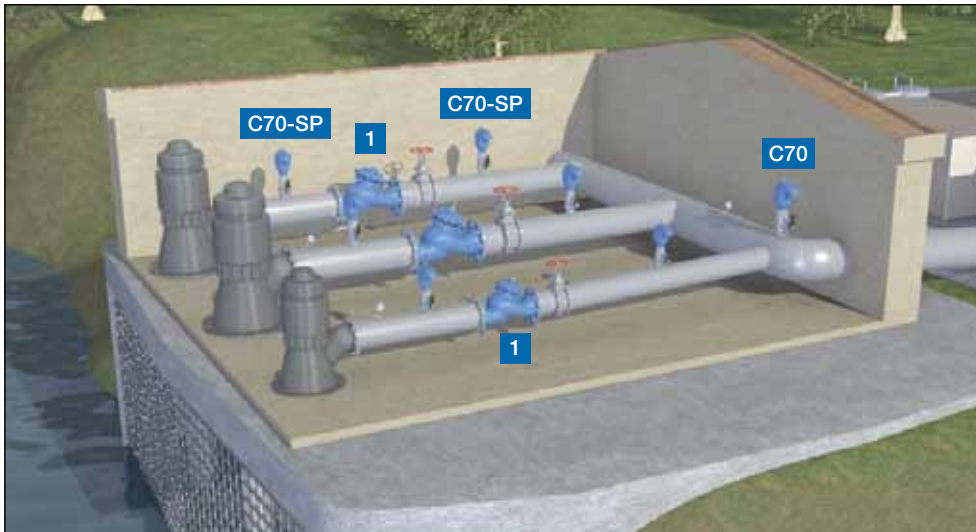
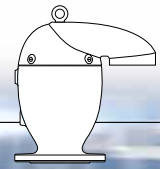
BERMAD Air Valves – Why they are better for your system

Control of air in water systems is as essential as control of water. That's why BERMAD engineers have devoted years of extensive research to improve air control in water systems focusing on practical performance testing along with an in-depth evaluation of today's current range of air valve technologies. This extensive research has led to the development of an innovative new line of air valves based on the most advanced flow analysis and engineering tools available. It also led to the development of a unique modern test bench that serves both as a development tool and a quality assurance tool.

The new line of BERMAD Air Valves include Metal Air Valves ranging from 2" to 8" and Plastic Air Valves from ¾" to 2" for a variety of Water, Sewage and Waste water pipeline and networks offering:

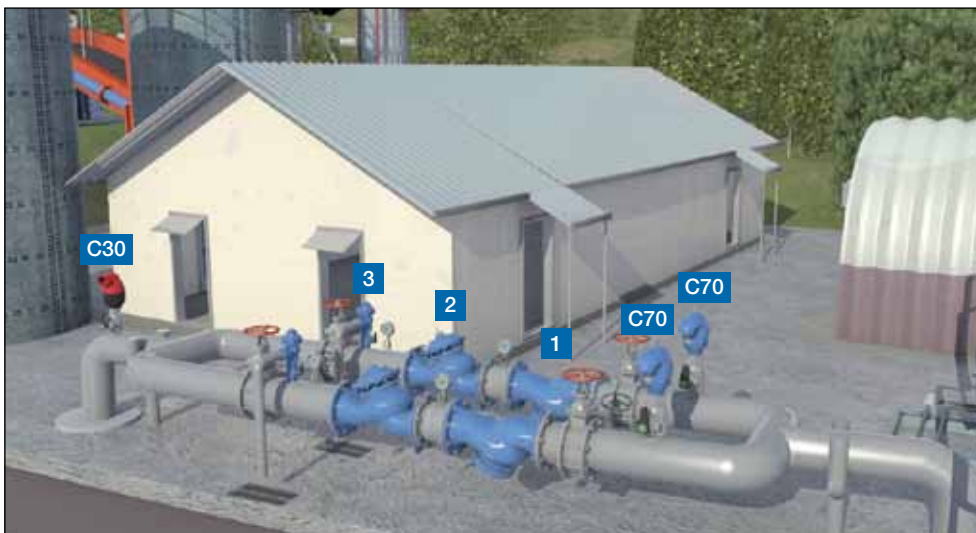
- **Higher flow rates** - Advanced aerodynamic design with a straight-flow body, nominal inlets and outlets allowing higher than ever before flow rates.
- **Leakage reduction** - BERMAD Air Valves operate with a minimal operating pressure (0.1bar/1.5psi) based on dynamic sealing properties.
- **Minimal spray effect** - Minimizing the spray effect during automatic air release to negligible quantities.
- **Built-in surge protection (anti-slam feature)** - Responds to the approach of high velocity water column by slow air relief, preventing damage to the valve and to the entire system.
- **Versatile design for easy installation**
 - Three types of outlets - downwards, sideways (that can swivel 360°) and circular.
- **Reliable Structure** - All parts are fully resistant to corrosion – Lower maintenance and increased life span.





Pumping Station System:

- C70-SP - Combination Air valve with Surge Protection
- C70 - Combination Air valve
- 740 - Pump Control Valve (1)



Pressure Reducing System with back up:

- C70 - Combination Air valve
- C30 - Combination Air Valve
- 70F - Strainer (1)
- 720 - Pressure Reducing Valve (2)
- 73Q - Quick Pressure Relief Valve (3)

The BERMAD advantage:

A history of unmatched quality, technical support and reliability:

Quality

All BERMAD products comply with strict international standards. The new line of BERMAD Air Valves has been designed in compliance with AWWA-C512 and EN-1074/4 as well as other international industry standards. Based on the ability of the innovative BERMAD test bench, which closely simulates real operating conditions, customers receive highest quality air valves with proven performance.

Technical Support

Serving customers worldwide for more than 45 years, BERMAD is known for its advanced engineering, Quality Assurance, and for its high quality technical support reflecting the highest industry standards. The new BERMAD Air Valve product line is backed by application engineers and customer support teams offering design and implementation consulting, surge analysis, and online sizing for system optimization.

Reliability

BERMAD continues its long history of meeting customer needs with efficient, convenient and cost-effective solutions, bringing to market today's most advanced air valves for Waterworks and Sewage systems.

Waterworks
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