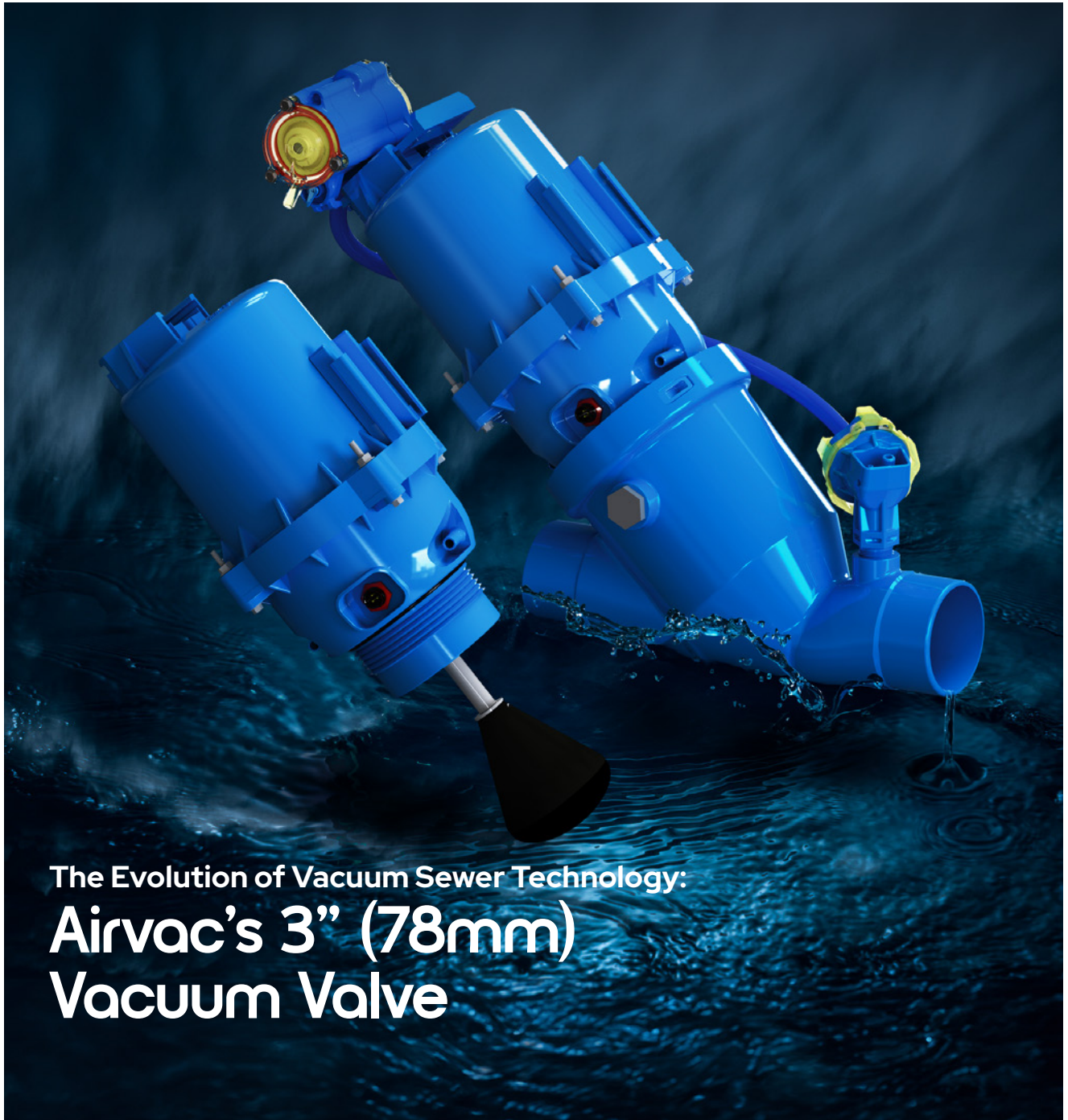




Product Profile



The Evolution of Vacuum Sewer Technology:
**Airvac's 3" (78mm)
Vacuum Valve**

Airvac has long been a leader in vacuum sewer technology, and the Airvac 3" (78mm) Vacuum Valve continues this tradition of innovation and reliability. Designed to handle solids up to 78mm in diameter, the 3" (78mm) Vacuum Valve sets a new standard in pneumatic valve technology. Its construction and design reflect a commitment to durability, efficiency, and ease of maintenance, making it an industry favorite.

Advanced Pneumatic Control and Durable Construction

The Airvac 3" (78mm) Vacuum Valve is fully pneumatically controlled, requiring no electrical input to function. This pneumatic operation reduces complexity while increasing reliability, especially in remote locations or challenging environments. The use of glass-filled polypropylene for the valve body, alongside other corrosion-resistant materials, ensures that this valve can withstand the toughest environments without succumbing to wear and tear from corrosive elements.

High Flow Efficiency and Minimal Maintenance

One of the standout features of the 3" (78mm) Vacuum Valve is its impressive flow coefficient (Cv). This high Cv rating minimizes friction losses, allowing fluids to move through the valve with minimal resistance. The geometry of the valve has been carefully engineered to optimize this flow, enhancing system performance and efficiency.

Designed to require minimal maintenance, the valve boasts a recommended rebuilding interval of 15 years. In addition, the rebuild process is cost-effective, with inexpensive rebuild kits readily available. For instance, the new rebuild kit (Part #930000008) includes a rubber seat and other key components, making it a convenient solution for maintaining the valve's optimal performance.

Enhanced Monitoring and Ice Buildup Prevention

The 3" (78mm) Vacuum Valve also incorporates innovative features to ensure continuous and dependable operation. A built-in valve positioning switch allows for real-time monitoring, enabling integration with Airvac's SMART wireless monitoring system. This makes the valve not just a robust mechanical component but a key part of modern, data-driven vacuum sewer management.

To further improve performance in cold climates, the valve features a full rubber tapered plunger. This design flexes to prevent ice buildup, ensuring smooth operation even in freezing conditions. Additionally, the plunger includes thicker rubber over the insert, providing enhanced durability and reducing the risk of wear.

Seamless Integration and Versatility

In line with Airvac's philosophy of backwards compatibility, the 3" (78mm) Vacuum Valve is designed to work with existing systems. This flexibility extends to the valve's design, allowing for easy updates or rebuilding of older models. For customers with older versions of the valve, Airvac offers a comprehensive upgrade kit (Part #930000009), including a new rubber plunger, rubber seat, washer, set screw, and valve shaft.

Moreover, when the HP Controller is paired with the SBPA sump breather, a surge suppressor is not required. This reduces installation complexity and makes system upgrades even more efficient.

Introducing the New Vacuum Supply Check Valve Assembly

A significant addition to the 3" (78mm) Vacuum Valve system is the new Vacuum Supply Check Valve Assembly. This patent-pending component boasts several key features, including high flow capabilities, large passages to prevent blockages, and a design that fully drains liquids to eliminate the risk of freezing. This check valve is both practical and easy to maintain, ensuring optimal vacuum delivery to the controller.

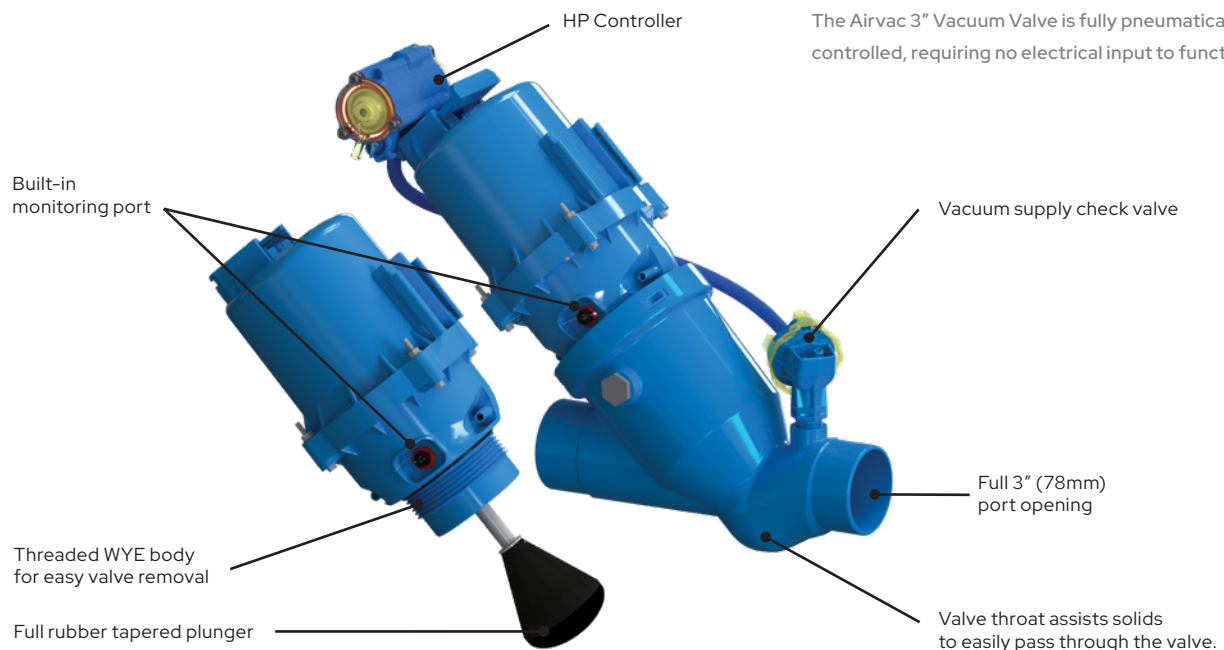
A Future-Proof Solution for Vacuum Sewer Systems

The 3" (78mm) Vacuum Valve represents the culmination of decades of innovation and engineering expertise. Its advanced pneumatic operation, corrosion-resistant construction, high

flow efficiency, and minimal maintenance needs make it a powerful asset for vacuum sewer systems worldwide. Whether integrating into existing systems or building new ones, the 3" (78mm) Vacuum Valve is designed to meet the evolving demands of the industry, ensuring a seamless, efficient, and reliable solution for years to come.

With additional models available in 1.25", 1.5", and 2" sizes, Airvac continues to offer versatile, future-proof solutions for specific applications across the globe. For those looking to upgrade or rebuild, Airvac provides excellent support through its comprehensive service department, helping customers transition smoothly to the latest technology.

In a market driven by reliability, performance, and innovation, the Airvac 3" (78mm) Vacuum Valve sets the bar for vacuum sewer technology.



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