

Innovation and expertise in vacuum systems technology

Equipment Design

Expect the best when you specify Busch — Combining years of system design experience with process vacuum know-how, Busch engineers design ideal system solutions for chemical, industrial and laboratory applications.

Using modern 3D design software, each system goes through a digital design and modeling process to ensure component selection, fit and purpose. Each system is engineered using only high quality components and materials, resulting in a system that meets or exceeds the latest technical standards.



Manufacturing

ISO 9001 Registered and committed to quality — Busch vacuum systems are manufactured at our U.S. headquarters in Virginia Beach, VA. Our state-of-the-art equipment and production facility is combined with qualified assembly technicians and extensive system knowledge and experience to provide you with the highest quality, most reliable system solution available today.

Standard Vacuum Systems

Busch standard systems are pre-engineered, providing a cost-effective system solution for a wide range of processes and applications. Standard systems are available in multiple configurations, with options for pump technologies, controls and accessories.



Industrial Vacuum Systems

Busch industrial systems provide custom engineered solutions for industrial and laboratory processes and applications.

Our industrial-duty vacuum technologies include dry screw, rotary vane, rotary claw, liquid ring and rotary lobe designs.



Process Vacuum Systems

For chemical, pharmaceutical and other harsh applications, Busch process systems are designed, engineered and assembled to meet your exact process requirements.

Our chemical-duty vacuum technologies include dry screw, rotary vane, liquid ring and rotary lobe designs.



Combination Vacuum Systems

Busch combination systems are the ideal solution for backing high vacuum pumps for load lock and coating applications in the solar and semiconductor markets.

These compact systems are available with a choice of a dry screw or wet vane backing pump, and either a bypass or non-bypass vacuum booster.



Liquid Ring Vacuum Systems

Water- or solvent-sealed Busch liquid ring vacuum systems are available in a wide range of configurations, materials of construction and with optional seal and bearing arrangements.

Our pumps meet API and HEI standards, manufactured from certified raw materials that ensure superior metallurgy and a long service life.



Application Support

We make it our business to know yours — Busch engineers combine technical expertise with in-depth product knowledge to deliver unmatched application support for chemical, industrial and laboratory processes that use vacuum.

Our application support includes:

- Vacuum pump and system sizing
- Equipment and pump technology selection
- Vacuum accessories and pump lubricants
- Vacuum pipe sizing and materials selection
- Electronic controls, devices and programming
- Energy-saving options including variable speed controls
- Start-up and on-site assistance



Project Management

From concept to completion — Busch project management is a key part of our systems capability in planning, coordinating and controlling the diverse activities of our engineering, materials and manufacturing processes. Every vacuum system we make has a dedicated project manager who works to ensure that the system concept, design and performance fit the purpose.



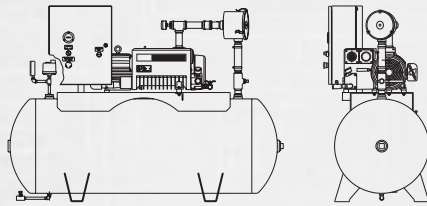


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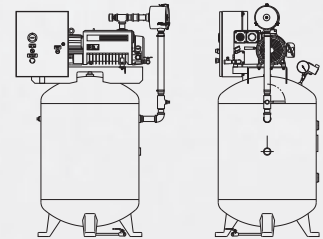
Toll-free:
1-800-USA-PUMP

Email:
systems1@buschusa.com

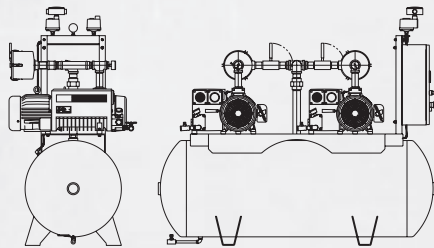
Standard System Configurations



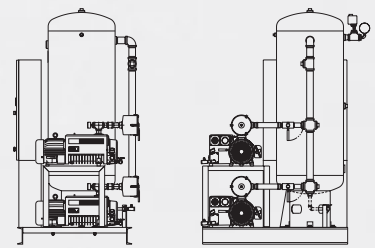
Horizontal tank-mounted simplex



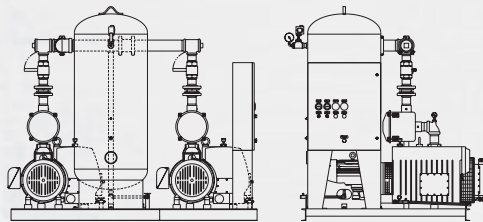
Vertical tank-mounted simplex



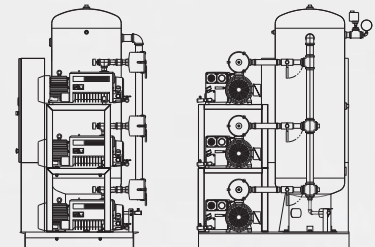
Tank-mounted duplex



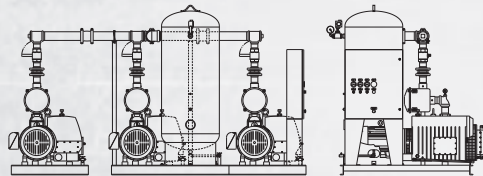
Vertically expandable duplex



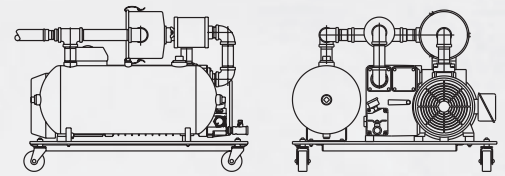
Horizontally expandable duplex



Vertically expandable triplex



Horizontally expandable triplex



Mobile simplex

Quadruplex systems

All expandable systems can be expanded up to a quadruplex by adding mechanical and electrical expansion modules. Systems with more than four pumps are available by special request.

Manual start simplex systems

Manual-start simplex systems are available. Contact your Busch representative for details and models.