

VACUUM SYSTEMS

R5 Multi-Pump Systems with Vertical Tanks



VACUUM SOLUTIONS



Expect the Best with Busch

Combining years of system design experience with process vacuum know-how, Busch engineers have designed ideal standard system solutions for general industrial and laboratory applications. Using modern 3D design software, each system has gone 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.

New Generation of 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.

Centrally located Busch R5 vacuum systems reduce both maintenance and energy costs compared to multiple point-of-use vacuum pumps.

Standard Design Features

- Build-Your-Own systems with truly modular CUBED designs
- Pump isolation valve (actuated manually, pneumatically or electrically)
- 3-phase power supply of 230 or 460 Volt
- 200 gallon ASME coded vertical receiver with 6" ANSI flanged inlet
- Motor starter panel per module with disconnect switch (lockable)
- Control panel with 7" touchscreen, Ethernet switch and status light tower
- Common power panel for single customer electrical hook-up

- Busch GRP200 pressure transmitter
- Inlet manifold includes industrial duty transparent flexible connections for continuous visual monitoring
- Inlet filter per pump
- Receiver and oil drain valves

Configuration Dependent Features

- Main system disconnect
- 10" HMI upgrade
- Exhaust pressure and temperature sensors
- Receiver sight tube for level monitoring
- 4" NPT receiver inlet connection
- System exhaust manifold with isolation valves and drain

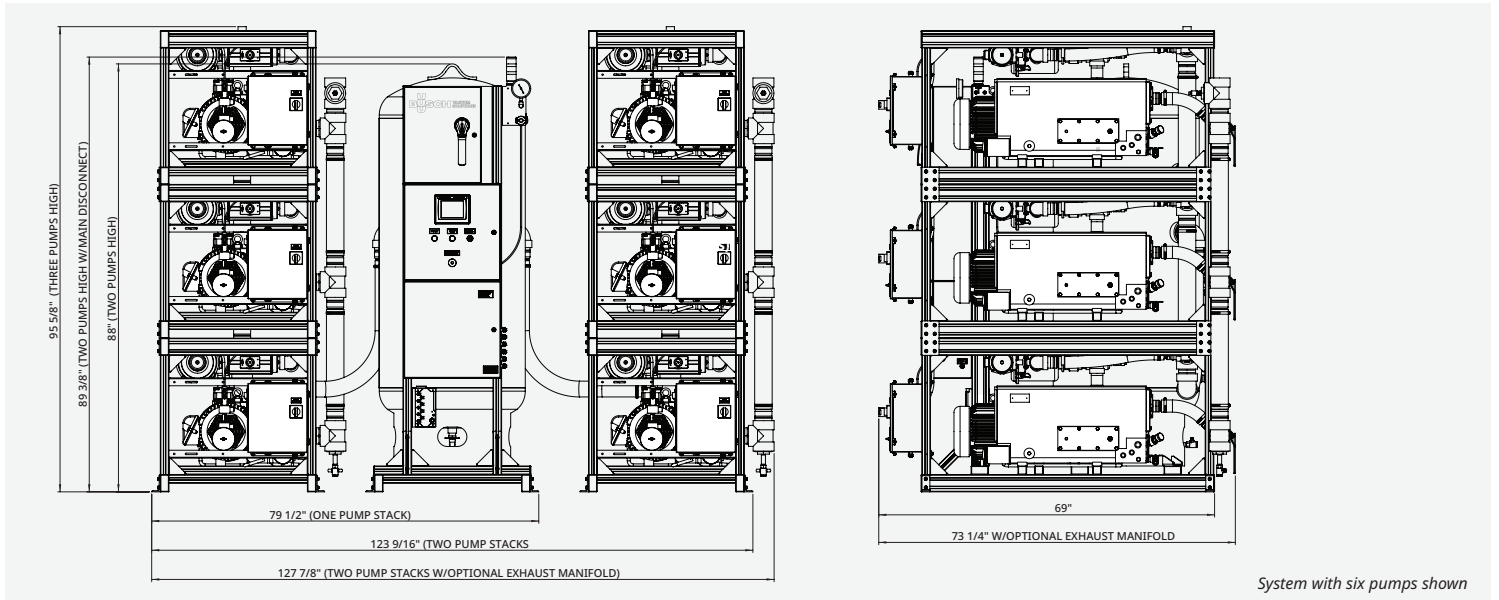
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Dimensional drawing



System with six pumps shown

Technical data

Vacuum pump model	Isolation valve type	Motor (HP)	Nominal pumping speed (ACFM)	End pressure (" Hg)	Tank (Gal)	Weight of 1 pump system w/tank (Lbs)	Weight per add'l pump module (Lbs)
RA 0165	Manual, Air or Electric	7.5	112	29.91	200	1745	625
RA 0205	Manual, Air or Electric	7.5	141	29.91	200	1745	625
RA 0255	Manual, Air or Electric	10	177	29.91	200	1830	710
RA 0305	Manual, Air or Electric	12	212	29.91	200	1830	710

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.

