Quincy
COMPRESSOR

QSV Rotary Screw Vacuum Pumps

QUINCY VACUUM SERIES
ROTARY SCREW VACUUM PUMPS
7.5 HP TO 200 HP

QUINCY QSV SERIES

QUINCY COMPRESSOR: THE LEADER IN INDUSTRIAL VACUUM TECHNOLOGY

- Pioneers of rotary screw vacuum technology
- Developed the modulating vacuum inlet valve
- Introduced the era of efficient, long life vacuum pumps for industrial applications

Quincy QSVI

NO OTHER VACUUM TECHNOLOGY CAN COMPARE

Industrial vacuum applications require tough, efficient vacuum pumps that can withstand the strenuous pressures of these intense working environments. There are many compelling reasons to consider using Quincy QSV series rotary screw vacuum technology:

REASON #1 – EFFICIENCY. Compare delivered ACFM per input horsepower to any other design and you will find that Quincy rotary screw vacuum pumps outperform all industry standards.

REASON #2 – LIFE CYCLE. QSV vacuum products are designed with compressor duty bearings in a compressor service airend. This translates into extended product life and lower cost of ownership.

REASON #3 – CONTROLS. The modulating inlet valve provides a dual function. One, to protect site vacuum level and two, energy savings. Both these functions translate into dollar savings.

REASON #4 – PACKAGING. These vacuum pump packages are supplied standard with full electricals, inlet filtration, base frame and controls. Connect to the system, plug it in and go.

THE WINNING COMBINATION

No other technology offers all these advantages in one package and no other technology is supported with as strong a service and support network. As a vacuum pump user, you benefit from the combination of powerful features and unparalleled support.

PUMPS FOR ALL APPLICATIONS

The Quincy QSV rotary screw vacuum pump family includes the QSVB and QSVI series all designed to meet your specific application.

- QSVB Series – Simple, belt drive available from 7.5 to 25 HP.
- QSVI Series – Industrial, direct drive, slow turning pump available from 25 to 200 HP.

THE QUINCY QSV SERIES VACUUM PUMPS – 7.5 HP TO 200 HP

VERSATILITY

- Delivered Capacity: 155 ACFM to 3,000 ACFM
- Full Capacity From Atmospheric Pressure to Maximum Vacuum
- Attainable Base Vacuum Level of 29.9" HgV (0.5 torr)
- 400,000 Hour Airend Design Life
- Operational Savings on Water Consumption

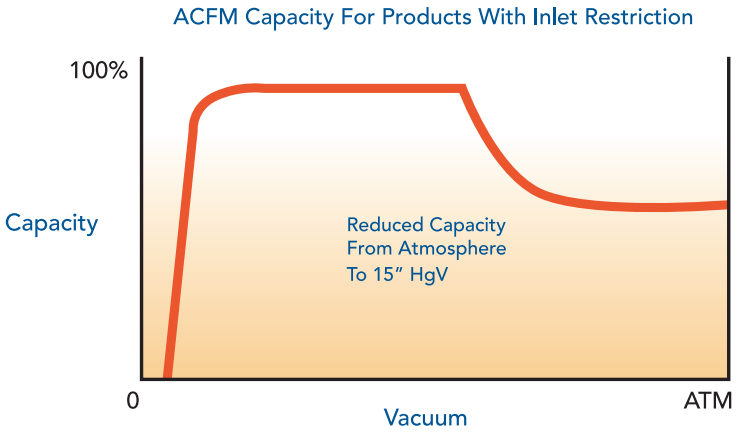
NO RESTRICTIONS ON INLET VOLUME FOR PUMPDOWN

Special airend porting on QSV products allows for full delivered capacity from atmospheric pressure to full vacuum. This means better protection for your system from sudden demand events.

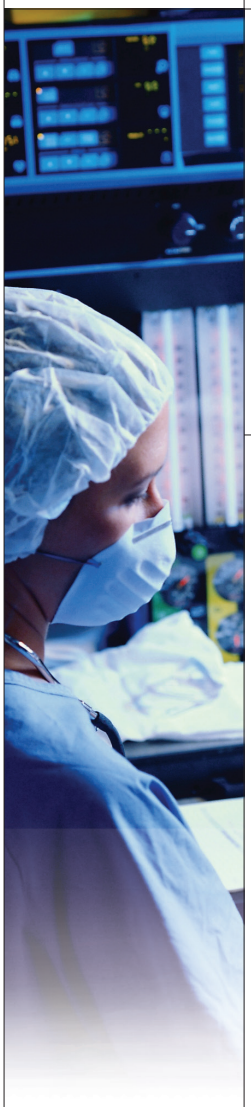
Competitive models utilize inlet restrictions that decrease the available capacity during system pumpdown. If system vacuum suddenly falls, other vacuum pumps have to protect themselves from over powering the drive motor. QSV products protect your system by maintaining full flow at any vacuum level.

NO SEAL WATER REQUIREMENTS

QSV products all come standard as air-cooled machines and utilize no seal-water flow for normal operation. This means that you save money on water consumption and sewer charges. Note that there are additional savings on cooling tower operation if tower water is used.



QUINCY QSV SERIES



QSVB SERIES: 7.5 HP TO 25 HP

- Leader In Energy Savings
- 155 ACFM to 371 ACFM
- Belt Drive, Air-Cooled
- Completely Packaged Systems

Quincy QSVB-25

SMALLER AND JUST AS TOUGH

The QSVB series vacuum pumps weigh in on performance on the same scale as the QSVI series. Rugged and efficient, these vacuum pumps fit perfectly in smaller applications that require lower volume flows but also require the long-life characteristics of Quincy rotary screw vacuum pumps.

HIGH VACUUM CAPABILITY

The powerful QSVB vacuum pumps are capable of attaining base vacuum levels of 29.9" HgV (0.5 torr). This allows installation in just about any rough vacuum application where there is a need for steady, continuous vacuum. The QSVB is also an excellent choice for cyclic applications where parts are processed in batches. Just like the QSVI series, there is full volumetric capacity available from atmospheric pressure to the required vacuum level.

PRESSURE LUBRICATION SYSTEM

All Quincy rotary screw vacuum pumps utilize a pressurized lubrication/sealing system to ensure positive lubricant flow under any condition. Lubricant is pumped via an external fluid pump driven off the female rotor. There is no need for an additional motor driven oil pump in this smart design.

VACUUM TECHNICAL SPECIFICATIONS

QSVI SERIES - ROTARY SCREW VACUUM PUMPS

Model	QSVI 25	QSVI 40	QSVI 50	QSVI 75	QSVI 100	QSVI 200
Nominal Capacity acfm	365	550	730	980	1500	3000
Horsepower	25	40	50	75	100	200
Base Vac Level HgV (Torr)	29.9 (0.5)					
Inlet Connection	4	5			8	
Dimensions in (mm)	78 x 48 x 59 (1980 x 1220 x 1500)			96 x 56 x 73 (2440x1420x1850)	108 x 60 x 85 (2740x1525x2160)	120 x 76 x 96 (3050x1930x2440)
Weight lb (kg)	2360 (1075)	2434 (1100)	2434 (1100)	3975 (1800)	6300 (2865)	8100 (3685)

Quincy QSVI-40

QSVB SERIES - ROTARY SCREW VACUUM PUMPS

Model	QSVB 7.5	QSVB 10	QSVB 15	QSVB 20	QSVB 25
Nominal Capacity acfm	155	196	265	319	371
Horsepower	7.5	10	15	20	25
Base Vac Level HgV (Torr)	29.9 (0.5)				
Inlet Connection	3				
Dimensions in (mm)	65 x x34 x 46 (1650 x 865 x 1170)				
Weight lb (kg)	960 (435)		980 (445)		

Quincy QSVB-25

TYPICAL QSV APPLICATIONS

Medical/Dental: Hospital Central Systems, Surgical Suction, Laboratory Central Systems.

Printing and Paper: Book Binding, Newspaper, Magazines, Printing and Labeling Systems, Degassing Adhesives.

Woodworking: CNC Cutting and Routing, Loading/ Unloading Systems.

Rubber and Plastics: PVC Pipe Manufacture, Plastic Thermoforming, Extruders, Mold Degassing, Material Handling.

Food Processing: Poultry Processing, Coffee, Packaging, Cheese Processing, Vacuum Cooling of Produce.

Meat Packing: Vacuum Packing of Fresh Meat, Filling and Sealing Machinery.

R&D Systems: Central Laboratory Vacuum, Vacuum Drying and Distillation Systems.

Electronics: Conveying, Picking and Placing Components, Circuit Board Manufacture, Central Vacuum Systems.

Pharmaceutical: Degassing of Pastes and Powders, Vacuum Filling, Suction Filtering.

Material Handling: Automatic Test Equipment, Material Pick and Place, Bulk Material Transfer, Vacuum Conveying.

Please call our factory engineering staff if you have specialty applications not listed here. We can design custom packages and modifications to existing products to meet stringent application requirements.

QUINCY QSV SERIES

QSVI SERIES: 25 HP TO 200 HP

- Leader In Energy Savings
- 365 ACFM to 3,000 ACFM
- Direct Drive, Air-Cooled
- Completely Packaged System

Quincy QSVI-40

LARGE VACUUM CAPACITY FOR LARGE APPLICATIONS

All Quincy direct drive vacuum pumps are designed to deliver enough volumetric capacity to meet the biggest applications. These vacuum pumps are the flagships of the Quincy vacuum product. Each vacuum pump is a stand-alone system that automatically adjusts delivered flow with the required demand capacity.

CONTINOUS OPERATION

Every Quincy QSV series pump is designed to run continuously over the course of its lifetime. Vacuum airends are designed with the same tapered roller bearings as heavy duty compressor airends making long service life a natural outcome. If applications require load/no load operation or on/off controls, the QSV can be modified to accommodate those systems.

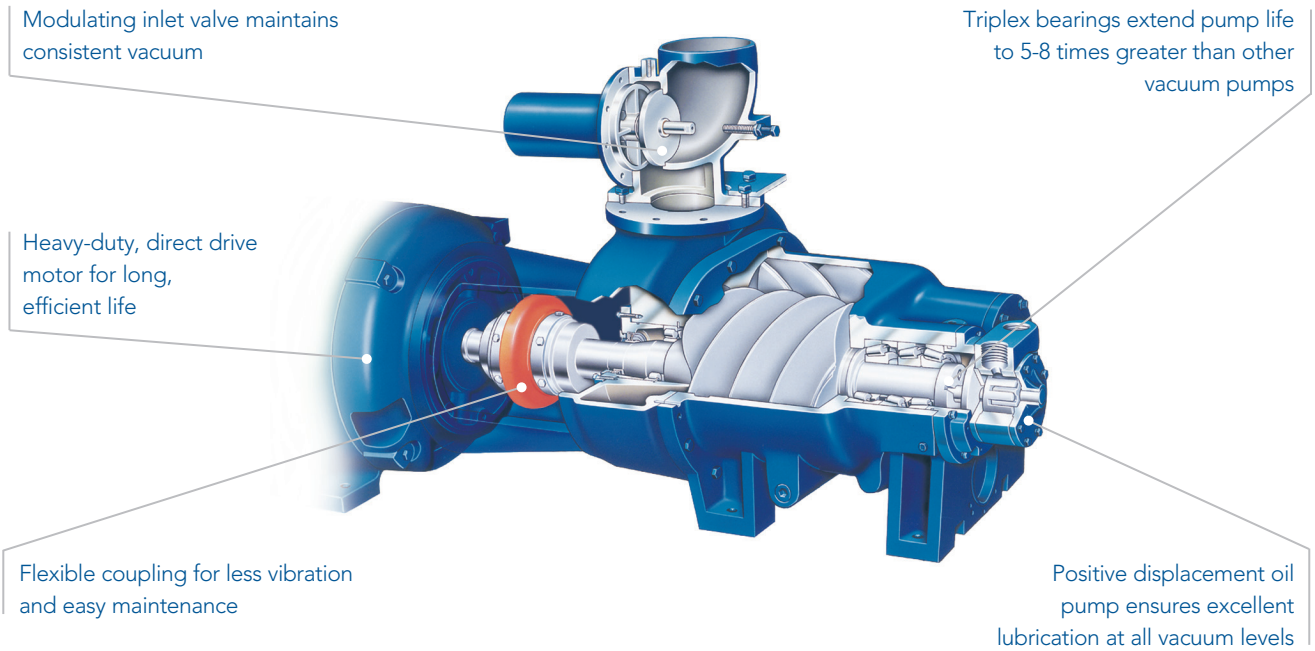
EFFICIENT SEPARATION SYSTEM

All Quincy vacuum pumps utilize a high-tech sealant/lubricant to seal the compression chambers within the vacuum airend, to lubricate mechanical bearings and to provide cooling and heat rejection. Discharge air that has been entrained with lubricant passes through a multi-stage separation system to clean the air discharge from each vacuum pump. The ratio of media surface area to volume flow is the highest in the industry.

HEAVY DUTY INLET FILTRATION

In any given application, byproducts from the process will eventually make their way to the vacuum pump. All QSV products are supplied with a heavy-duty inlet filtration system to separate particulate contamination prior to the inlet of the vacuum pump. All inlet filter elements are designed for easy cleaning or changing when servicing is required. Five micron element ratings are standard on all QSVI products.

INDUSTRIAL CLASS QSVI SERIES VACUUM PUMPS



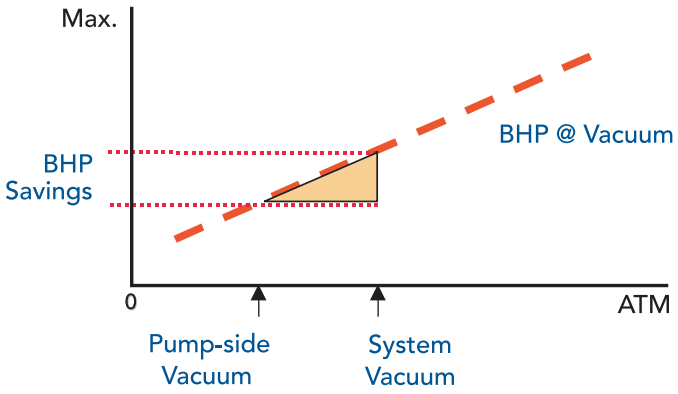
MODULATING INLET VALVE

All QSV vacuum pumps are supplied with modulating inlet valves as standard. A modulating inlet valve allows for precise process control by keeping the supply vacuum level constantly within tolerance. This means that you do not need any additional vacuum level control.

An additional benefit to the modulating inlet valve is energy savings. As demand decreases, the modulating inlet valve closes and pump-side vacuum level increases. As pump-side vacuum increases, motor brake horsepower decreases allowing for energy savings. This control system works far better than using a vacuum breaker or allowing the system vacuum level to increase without control.

The modulating inlet valve is completely field adjustable so you can easily change your vacuum level with changing system or application demands. If an application requires no control at all, the inlet valve controls can be set to allow for maximum vacuum level.

Effects of Modulating Inlet Valve On BHP



QUINCY QSV SERIES

QSV STANDARD EQUIPMENT

- Positive Flow Lubrication/Seal Liquid Pump
- UL Listed Control Panel
- Modulating Inlet Valve
- Magnetic Motor Starter
- Full Flow, 12 Micron Filter and Strainer
- NEMA Motor, 3-Phase, 460 Volt
- Temperature Regulating Valve
- Air-Cooled or Water-Cooled
- Fluid Level Sight Glass
- Separator Pressure Indicator
- Quin-Syn Lubricant
- Temperature, Vacuum and % Capacity Guages
- Filter Element Indicators
- High Temperature Shutdown System

OPTIONAL EQUIPMENT

- Power Failure Restart Module
- Auto Dual Control
- 200, 230 or 575 Volt Operation
- 50 Hz, 380 Volt Service
- NEMA 4 Control Panel
- TEFC Motors
- Premium Efficiency Motors
- Sound Enclosures
- Remote Coolers
- Remote Filtration Packages
- Standard Vacuum Accessories
- Customized Packages

ACCESSORIES

Quincy supplies many of the accessories that are used to compliment a QSV vacuum pump installation including:

- Inlet Filtration Packages
- Vacuum Receivers
- Check Valves and Ball Valves
- Oil Mist Exhaust Filters
- Vacuum Gauges
- Centrifugal Separators
- Multiple Vacuum Pump Controllers

701 N. Dobson Avenue
Bay Minette, AL 36507
Phone 251.937.5900
Fax 251.937.0872

Email:
info@quincycompressor.com