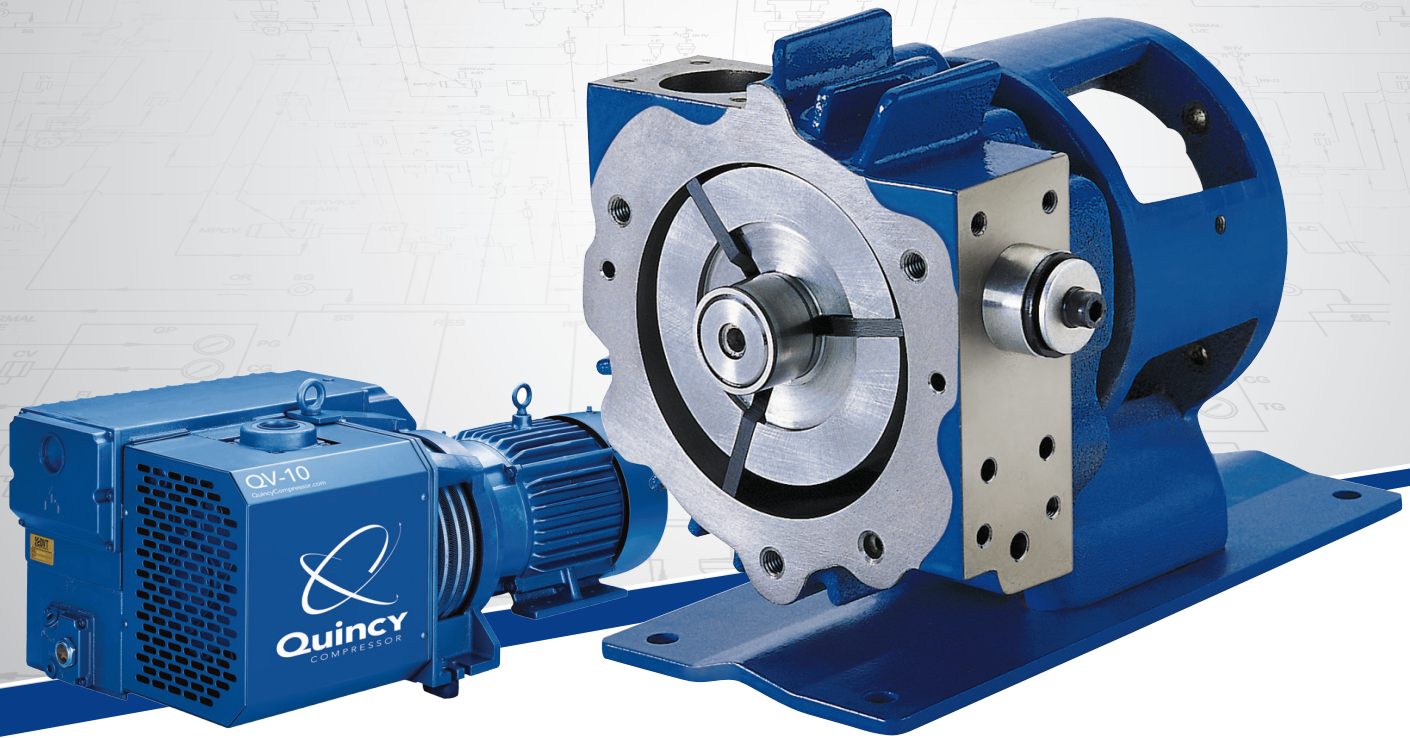


# QV Rotary Vane Vacuum Pumps



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1.5 HP to 10 HP

# QV Rotary Vane Vacuum Pumps

## QV Standard Equipment

- Inlet Screen/Filter
- Direct-Drive NEMA Motor
- 99.9% Effective Multistage Separation System
- Closed-Loop Oil Recirculating System
- Fluid Level Sight Glass
- Initial Charge of Synthetic Lubricant
- Installation and Operation Manual
- Lifting Bails on Larger Units
- 1-Year Standard Warranty

## Optional Equipment

- Simplex, Duplex and Triplex Package Mounting
- Integral Inlet Check Valve
- 200 Volt or 575 Volt Operation
- 50 Hz, 380 Volt Service
- TEFC Motors
- Hi-E Motors
- Standard Vacuum Accessories
- Customized Packages
- Custom options may be available; please call the factory for assistance

## Accessories

Quincy supplies many of the accessories that are used to compliment a QV 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
- Request an Accessories Brochure

## Quincy QV Series: 1.5 HP to 10 HP

- Thirteen Models To Choose From
- 1.5 to 10 hp
- All Units Are Direct-Drive And Air-Cooled
- Completely Packaged System – Place And Install

### Big Delivery In Small Packages

The Quincy QV series vacuum pumps are designed to deliver enough volumetric capacity to meet the requirements of the most demanding applications. Each vacuum pump is a stand-alone supply system with the versatility to be easily relocated when needed. The Quincy QV can also be supplied as part of a simplex, duplex or triplex package. Tank mounting and stacked systems are available for installations where floor space is limited.

### Continuous Operation

Like the larger Quincy QSV series vacuum pumps, the QV series is designed to run continuously over the course of its lifetime. The heart of the vacuum pump is the pumping module which includes industrial duty bearings for a long service life. Control options are available for applications which require load/no load or on/off operation. The Quincy QV series can be packaged to accommodate the needs of any system.

### Quiet Operation

Sound levels have become an extremely important consideration with rotating equipment. QV series vacuum pumps were designed to operate quietly so that installations can be made in areas where people are working in close proximity.

### Efficient Separation System

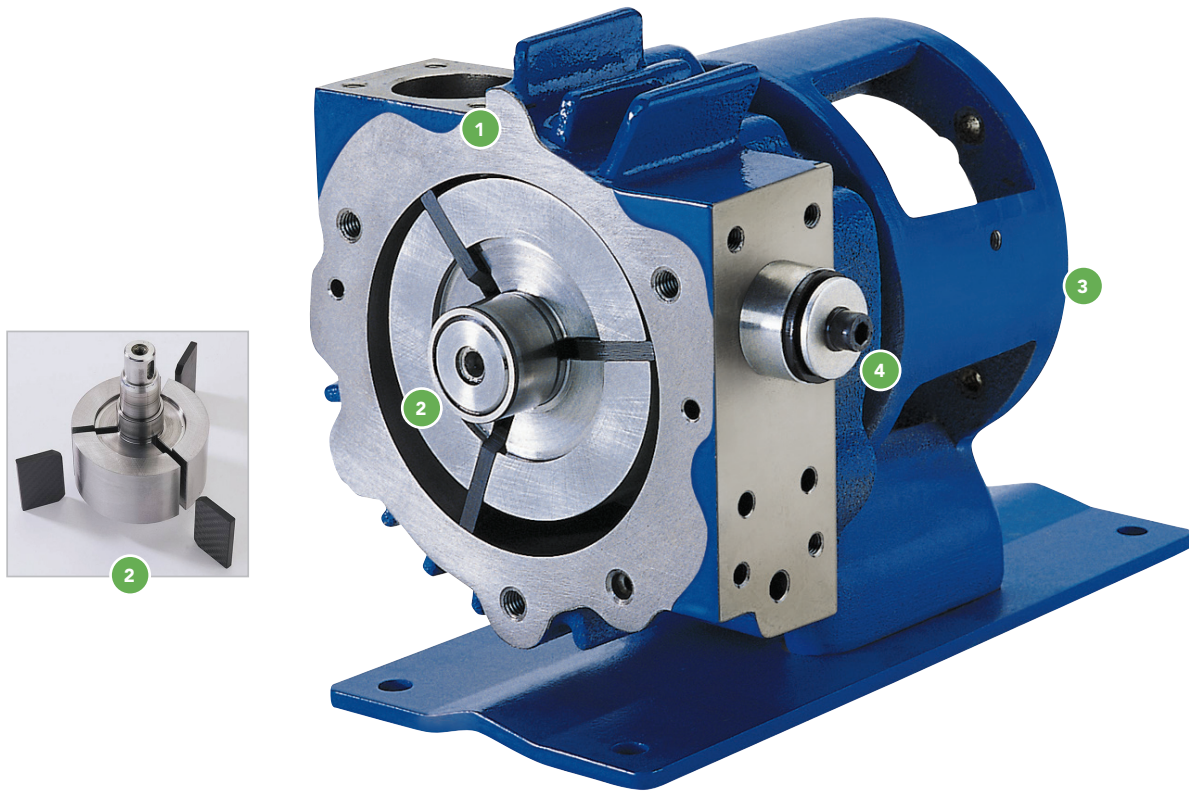
To lubricate mechanical bearings and provide cooling, Quincy vacuum pumps utilize a high-tech sealant/lubricant to seal the compression chambers within the pumping module. Discharge air that has been entrained with lubricant passes through a multi-stage separation system to provide a clean air discharge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

### Low Maintenance

Outside of a yearly oil and filter change, there are no other items that require routine servicing. Our non-metallic vanes are designed to have a service life of at least 35,000 hours. This adds up to more service life between overhauls.



Quincy QV-10 Vacuum



1 Integrated anti-backflow valve eliminates return flow of air and lubricant into the system.

3 Cast-iron flange adaptor for permanent motor alignment.

2 Precision-machined cast-iron rotor with non-metallic vanes for long life and minimal wear.

4 Discharge check-valve eliminates reverse flow.

### Quincy QV Series - Technical Specifications

Model	QV-1.5	QV-2.0	QV-3.0	QV-4.0	QV-7.5	QV-10
Displacement (CFM)	19	28	45	70	127	180
Horsepower	1.25	2	3	4	7.5	10
Max. Vacuum HgV	29.9"	29.9"	29.9"	29.9"	29.9"	29.9"
Min. Continuous Vac	18"	18"	18"	18"	18"	18"
Pump/Motor (rpm)	1800	1800	1800	1800	1800	1800
Inlet Connection	1/2" NPT	1" NPT	1 1/2" NPT	1 1/2" NPT	2" NPT	2" NPT
Exhaust Connection	1/2" NPT	1 1/4" NPT	1 1/2" NPT	1 1/2" NPT	2" NPT	2" NPT
Dimensions (inches)	15x11x9	20x13x10	20x13x10	28x15x12	39x21x18	39x21x18
Shipping Weight (lbs.)	55	96	98	155	340	370
Lubricant Capacity (qts.)	1.0	1.5	1.5	2.7	5	5
Noise Level (dBa)	65	67	69	72	74	76

# Ask us about all of Quincy's profit-boosting, uptime solutions!



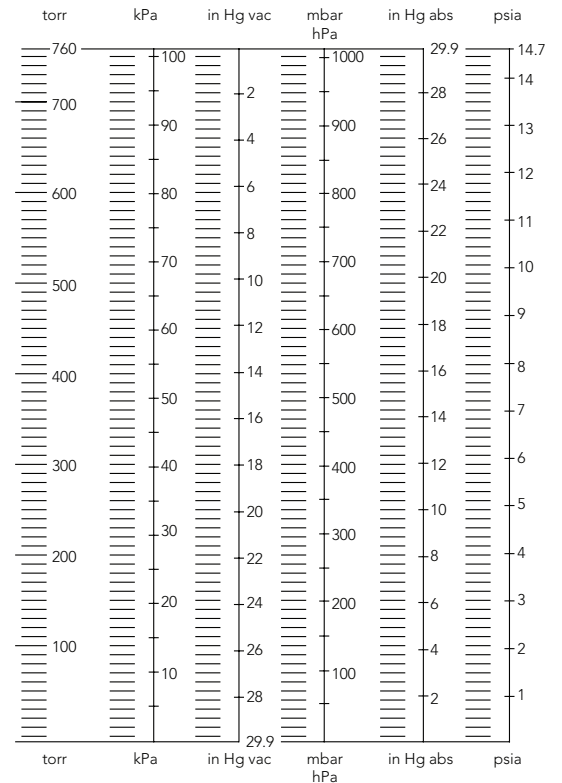
## Volume & weight

From \ To	cm <sup>3</sup>	m <sup>3</sup>	ft <sup>3</sup>	litre	g	lb	kg
cm <sup>3</sup>	1	1 x 10 <sup>-6</sup>	3.53 x 10 <sup>-5</sup>	0.001			
m <sup>3</sup>	1 x 10 <sup>6</sup>	1	35.3	1000			
ft <sup>3</sup>	28317	0.283	1	28.32			
litre	1000	0.001	0.0353	1			
g					1	0.0022	0.001
lb					454	1	0.454
kg					1000	2.205	1

## Unit conversions – pumping speed

From \ To	m <sup>3</sup> /h	l/s	m <sup>3</sup> /s	l/min	cfm
m <sup>3</sup> /h	1	0.278	2,78 x 10 <sup>-4</sup>	16.67	0.589
l/s	3,6	1	1,0 x 10 <sup>-3</sup>	60	2,12
m <sup>3</sup> /s	3,6 x 10 <sup>3</sup>	1,0 x 10 <sup>3</sup>	1	6,0 x 10 <sup>4</sup>	2,12 x 10 <sup>3</sup>
l/min	6,0 x 10 <sup>2</sup>	1,67 x 10 <sup>2</sup>	1,67 x 10 <sup>-5</sup>	1	3,53 x 10 <sup>-2</sup>
cfm	1,70	0,472	4,71 x 10 <sup>-4</sup>	28,32	1

## Atmosphere



## Full Vacuum



Performance You Demand. Reliability You Trust.™

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