



The Science of Compressed Air

# QV Rotary Vane Vacuum Pumps



QUINCY QV SERIES  
ROTARY VANE VACUUM PUMPS  
1/2 HP TO 40 HP

## QV ROTARY VANE VACUUM PUMPS

### QUINCY QV SERIES: 1/2 HP TO 40 HP

- Thirteen Models To Choose From
- 2 ACFM to 710 ACFM
- 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 there is limited floor space.

### 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 a natural outcome. 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 level has 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.



Quincy QV-10 Vacuum

### EFFICIENT SEPARATION SYSTEM

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

### LOW MAINTENANCE

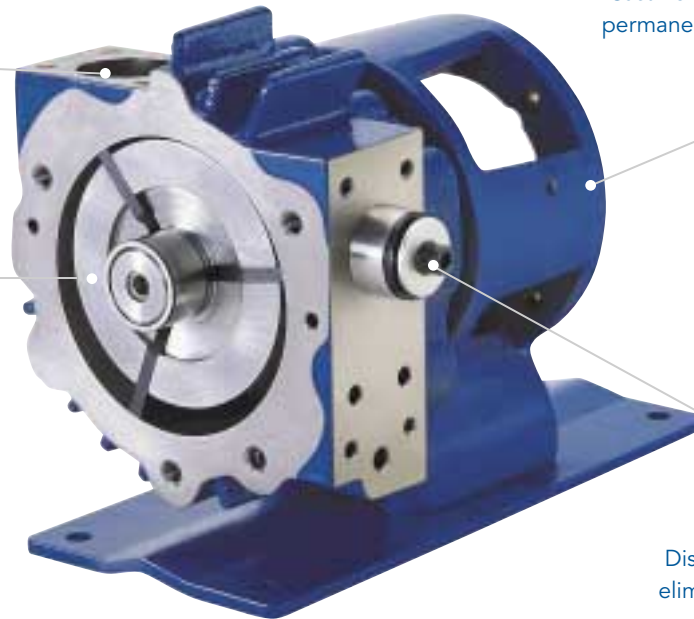
Outside of a yearly oil and filter change, there are no other items that require routine servicing. Our non-metallic vanes are designed to have a service life of at least 35,000 hours. This adds up to more service life between overhauls.

Integrated anti-suckback valve eliminates back flow of air and lubricant into the system

Cast-iron flange adapter for permanent motor alignment



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



Discharge check-valve eliminates reverse flow

### QUINCY QV SERIES – TECHNICAL SPECIFICATIONS

Model	QV-0.2	QV-0.5	QV-0.75	QV-1.5	QV-2.0	QV-3.0	QV-4.0
Displacement (cfm)	2.6	5.6	8.5	19	28	45	70
Horsepower	.2	.4	.75	1.25	2	3	4
Max. Vacuum HgV	29.86"	29.86"	29.86"	29.9"	29.9"	29.9"	29.9"
Min. Continuous Vac	18"	18"	18"	18"	18"	18"	18"
Pump/Motor rpm	3400	3400	3400	1800	1800	1800	1800
Inlet Connection	3/8"	3/8" NPT	1/2" NPT	1/2" NPT	1" NPT	1.5" NPT	1.5" NPT
Exhaust Connection	N/A	N/A	N/A	1/2" NPT	1.25" NPT	1.5" NPT	1.5" NPT
Dimensions inches	10x5x6	12x7x6	14x8x7	15x11x9	20x13x10	20x13x10	28x15x12
Shipping Weight lbs	12	22	35	55	96	98	155
Lubricant Capacity qts	0.1	0.25	0.3	1.0	1.5	1.5	2.7
Noise Level dBa	60	60	62	65	67	69	72

Model	QV-7.5	QV-10	QV-15	QV-20	QV-30	QV-40
Displacement (cfm)	127	180	280	375	540	710
Horsepower	7.5	10	15	20	30	40
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	1200	1200
Inlet Connection	2" NPT	2" NPT	3" NPT	3" NPT	4" NPT	4" NPT
Exhaust Connection	2" NPT	2" NPT	3" NPT	3" NPT	3" NPT	3" NPT
Dimensions inches	39x21x18	39x21x18	*	*	*	*
Shipping Weight lbs	340	370	740	790	1,750	2,100
Lubricant Capacity qts	5	5	11	11	15	18
Noise Level dBa	74	76	80	80	81	81

## QV ROTARY VANE VACUUM PUMPS



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### QV STANDARD EQUIPMENT

- Integral Inlet Check Valve
- 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
- Factory Technical and Sales Support



Quincy QV-10 Vacuum

### OPITONAL EQUIPMENT

- Simplex, Duplex and Triplex Package Mounting
  - 200 Volt or 575 Volt Operation
  - 50 Hz, 380 Volt Service
  - TEFC Motors
  - Hi-E Motors
  - Standard Vacuum Accessories
  - Customized Packages
  - Other 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

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