



Performance You Demand. Reliability You Trust.



Power\$ync® Variable Capacity Control



QUINCY QSI POWER\$YNC® SERIES
ROTARY SCREW VARIABLE
DISPLACEMENT COMPRESSORS
50-300 HP

POWER\$YNC® VARIABLE CAPACITY

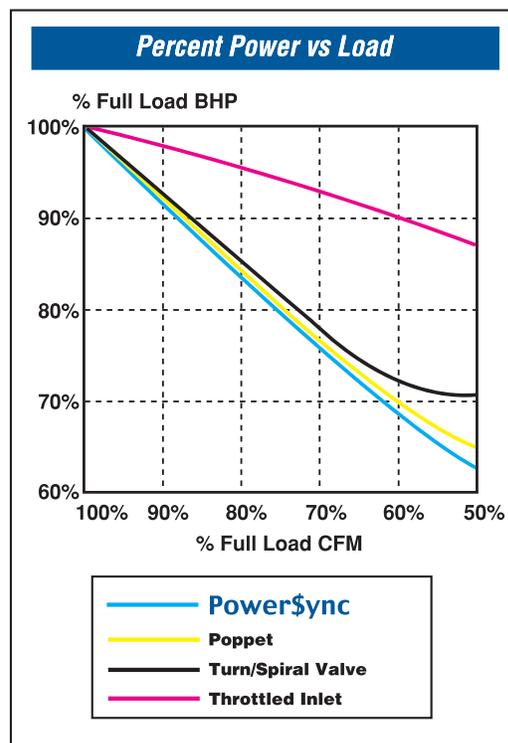
VARIABLE DISPLACEMENT COMPRESSORS

When your compressed air demand (the “load”) is greater than 80% of the capacity of your compressor, you’re saving money using the QSI Power\$ync. In fact, the QSI Power\$ync is over 10% more efficient above 80% load than com-

petitive variable speed drive (VSD) compressors. Not only will you be receiving the highest quality compressed air efficiently, you’ll be saving money too!

QUINCY QSI POWER\$YNC VS. VSD COMPRESSORS

- The QSI Power\$ync can act as a full load and part load machine
- The QSI Power\$ync is 10% more efficient above 80% load than a VSD
- VSD compressors are optimized for <80% loads
- VSD compressors add 4-5% to the hp consumption at full load
- VSD compressors require air circulation to remove the heat generated by the drive, making them very sensitive to ambient conditions



QSI-245i to QSI-500i color touch screen interface can control and sequence up to 6 QSI compressors.

*Consult manual for unique configuration constraints

- Full-color 5.7" display
- Remote control input/output
- Day/Week organizer
- Dual pressure band
- Graphic service plan indicator

Q-CONTROL ADVANCED MONITORING, CONTROLS AND NETWORKING CAPABILITY

The Q-Control combines the latest controller technology with Quincy's cutting edge and market leading compressor controller software. The resulting package provides a broad range of customer benefits, including improvements on user interface; overall reliability and uptime as well as energy reductions through improved control algorithms. Optimizing and staying connected to the compressed air system has never been easier due to the new onboard tools which include networking, basic remote monitoring and cellular connectivity services.

Built-In Intelligence

- Full-color 5.7" display
- Networking up to 6 compressors*
- Online visualization via ethernet connection
- Real-time trending on the screen of the controller
- Day/Week Organizer
- Dual Pressure Band
- Graphic Service Plan Indicator

Protection

- Predictive graphic service plan
- Pre-warnings

Optional

- Remote pressure sensor

*Consult manual for unique configuration constraints



QSI-600 to QSI-1500 full diagnostic microprocessor



QSI air compressors come with Quincy's industry leading 10-Year Royal Blue Warranty.

POWER\$YNC® VARIABLE CAPACITY

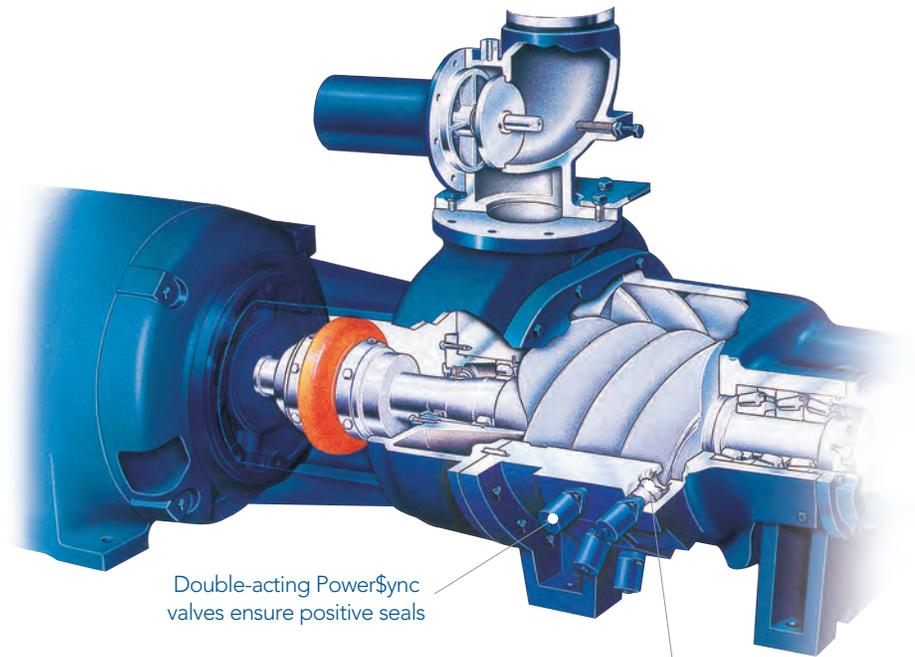
THE QSI POWER\$YNC®

The Quincy QSI Power\$ync® with patented lift valves is a unique design that gives the compressor the ability to function as a base load machine *and* a part-load machine.

When you don't need the entire ("full load") capacity of the compressor, the QSI Power\$ync® quickly decreases the air flow output so you're

not wasting energy making compressed air that you don't need.

The compressor is able to vary the output using specially designed lift valves, operated by Q-Control with Power\$ync®. These lift valves adjust automatically to match the demand of your application!



Double-acting Power\$ync valves ensure positive seals

Valves machined as part of housing to prevent blow-by efficiency losses

VARIABLE DISPLACEMENT LIFT VALVES

- Machined directly into the airend housing to prevent air leaks (blow-by)
- Contoured to sit directly against rotor
- Double-acting for rapid response and control
- Actuated with internal air pressure - no additional power required
- Superior to Variable Speed Drive machine above 80% load

THE PATENTED QUINCY POWER\$YNC[®] LIFT VALVE DESIGN

EFFICIENT AND RELIABLE

Q-Control microprocessor controls the valves to adjust the air end capacity to match demand for stable pressure.

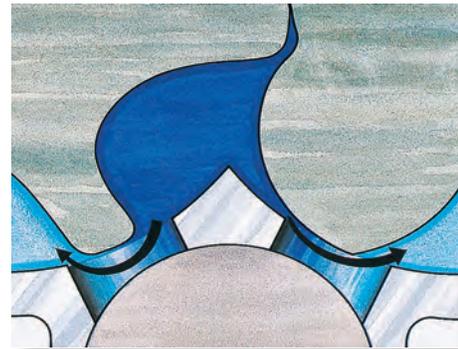
- Contoured valves eliminate blow-by
- Actuated with internal air pressure
- Double-acting for fast, positive control
- Patented design exclusive to Quincy



ENGINEERED SOLUTION

All other variable displacement compressors lose efficiency by design.

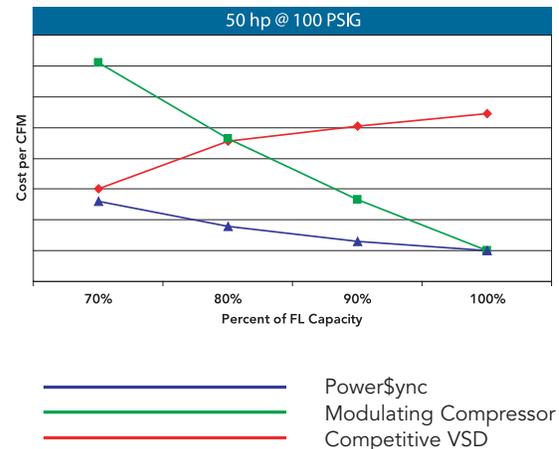
- Leak points between valve and rotor
- Reduced efficiency by up to 4%
- Complex control mechanisms are unreliable
- External pneumatic control



OUTPERFORMS THE COMPETITION

Quincy's Power\$ync variable displacement is over 10% more efficient than variable speed drive above 80% capacity.

- Power\$ync has no drive losses
- Runs load/unload below 50% capacity
- VSD's add 4-5% to the motor power at full load
- Power\$ync lowers operating costs



POWER\$YNC® VARIABLE CAPACITY CONTROL

YOUR “BEST PRACTICE” FOR ENERGY SAVINGS

Optimize Your Compressed Air System:

- Reduce Energy Consumption
- Stabilize System Pressure
- Enhance Product Consistency
- Improve Plant Productivity



A PERFORMANCE AND FINANCIAL ANALYSIS

In order to stay competitive in the global market, you need partners who offer proven “Best Practice” solutions. More than promises of energy efficiency, you need revenue accountability – and Quincy’s “Best Practice” standards for compressed air deliver profitable results.

It’s the application of the patented Quincy Efficiency Quotient (EQ®) that allows us to quickly and accurately define the potential energy savings in your plant. And it’s the profitable results that will make Quincy your “Best Practice” partner for energy savings.



BEST PRACTICE STANDARDS

Industry Examples	Compressor kWh per Industry Metrics
Aluminum Can Manufacturing	258 kWh per 100,000 cans
Foam/Plastic Cup Manufacturing	290 kWh per thousand cups
Pulp and Paper Mill w/Woodyard	115 kWh per ton of paper
Corrugated Box Plant	640 kWh per million sq. ft.
Rubber Products Manufacturing	1088 kWh per 1000 tires

The generation of compressed air accounts for 10% of the total industrial energy used in the United States. Our “Best Practice” standards allow you to compare your facility to the most efficient compressed air systems in similar industries.

QUINCY’S COMMITMENT TO EFFICIENT & COMPETITIVE INDUSTRY IN AMERICA

Efficiency is critical to success in the global marketplace and Quincy’s commitment to efficiency is leading to innovative solutions that give American industry a competitive edge.

COST SAVINGS OPPORTUNITY

EQ Rating	50 hp system	100 hp system	500 hp system
85%	\$ 3,552	\$ 7,103	\$ 35,516
75%	\$ 5,327	\$ 10,655	\$ 53,274
65%	\$ 7,991	\$ 15,982	\$ 79,911

Note: Calculated @\$0.05 /kWh.

Quincy’s extensive distributor network understands the global challenges you face every-day. And because Quincy’s distributors are independent businesses with ties to your community, they are committed to your success.

AIR TREATMENT PRODUCTS

QUINCY FILTERS



- Particulate
- Coalescers
- Absorbers
- Moisture Separators
- High temperature design available
- High pressure design available
- 5 micron to 0.01 micron particulate removed
- 5 ppm to 0.003 ppm liquid carryover
- 1/4" to 3" NPT aluminum housings
- 3" to 12" flanged steel housings
- Delta P gauge
- Auto drain
- Color-coded glass filled nylon end caps
- Push-to-fit element design
- Low pressure drop/high efficiency
- 10-year housing warranty



QUINCY DRAINS



QMAT - Electronic No Loss Drains

- Reliable
- Robust
- Save energy
- Low maintenance
- Flexible

ETD - Electronic Timer Drains

- Simple
- Reliable
- Affordable
- 1/4" and 1/2" NPT
- Large 7/16" orifice

PNEUMATIC - No Loss Drains

- Save energy
- Demand activated
- Low profile
- See-through vessel
- 1/2" full port ball valve
- Large capacity
- Ideal for oil/water separators

QUINCY CONDENSATE PURIFIERS



- Replaces the old gravity separators
- Removes all compressor lubricants, including polyglycol emulsions
- Lightweight, easy change, disposable filter cartridge
- Versatile size range allows for single or multiple-unit configurations
- Clean, carbon-free filter media

QUINCY REFRIGERATED AIR DRYERS



- QRHT high-temp, QED cycling, QPNC non-cycling
- Environmentally friendly refrigerants
- Two-valve balanced system on all units
- Low pressure drop heat exchangers
- Microprocessor control
- Easy access, powder-coated cabinets
- Fully instrumented



COMPRESSED AIR SYSTEMS BEST PRACTICE

