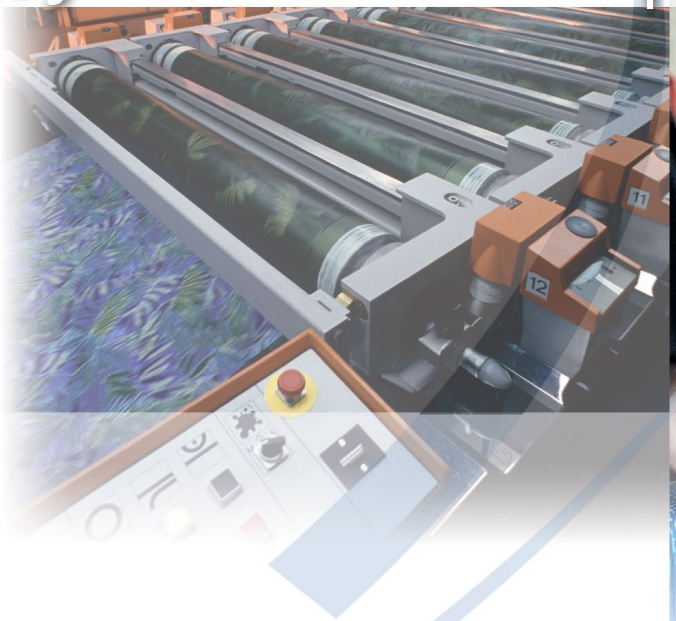
Quincy
COMPRESSOR

Performance You Demand. Reliability You Trust.

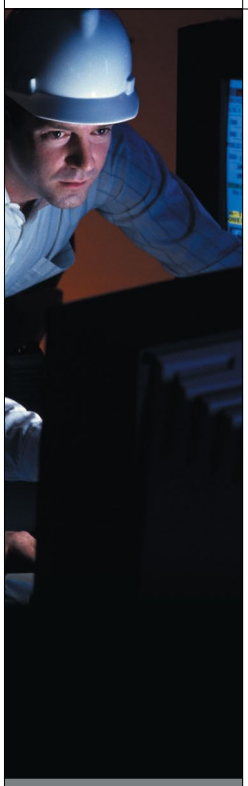
Power$ync® Variable Capacity Control



ROYAL BLUE WARRANTY
10 YEARS
Quincy
WORLD'S BEST!

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

POWER$YNC® VARIABLE CAPACITY CONTROL

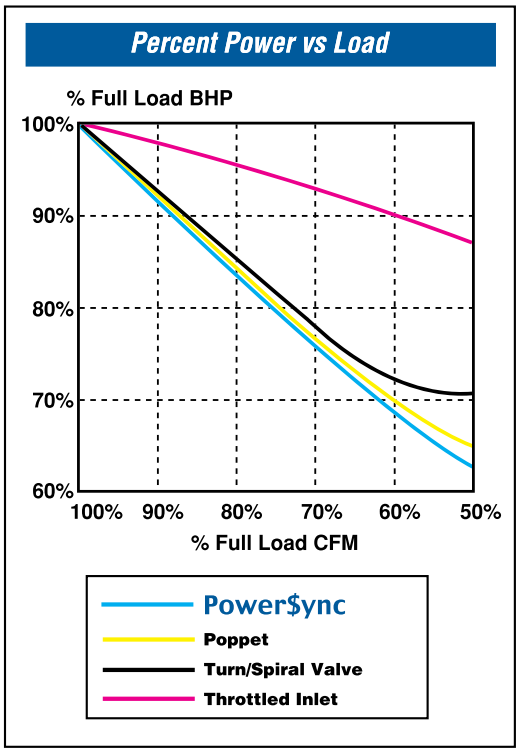


VARIABLE DISPLACEMENT COMPRESSORS

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 competitive 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

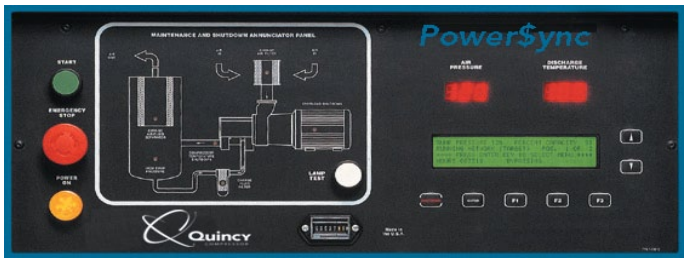


QSI-245i to QSI-500i color touch screen interface can control and sequence up to 10 QSI compressors.

- Full color touchscreen
- Interactive graph and trending data
- Easy upgrades with flash memory

THE MOST EFFICIENT ROTARY SCREW COMPRESSOR CONTROL

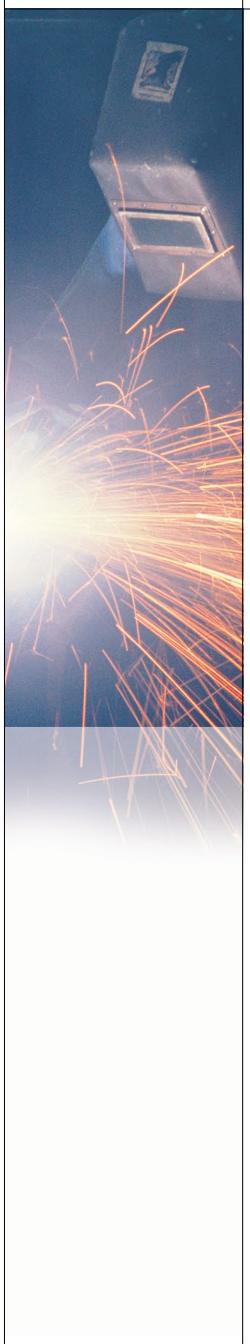
- Simple network connection
- Calculates and reacts to rate of change to prevent pressure fluctuation and save energy
- Available exclusively on the QSI compressor: the most efficient in the industry
- Schedule and sequencing of all compressors in the network



QSI-600 to QSI-1500 full diagnostic microprocessor can network up to 16 compressors.

QSI air compressors come standard with our exclusive 10-Year Royal Blue Warranty - the best in the industry.

POWER$YNC® VARIABLE CAPACITY CONTROL

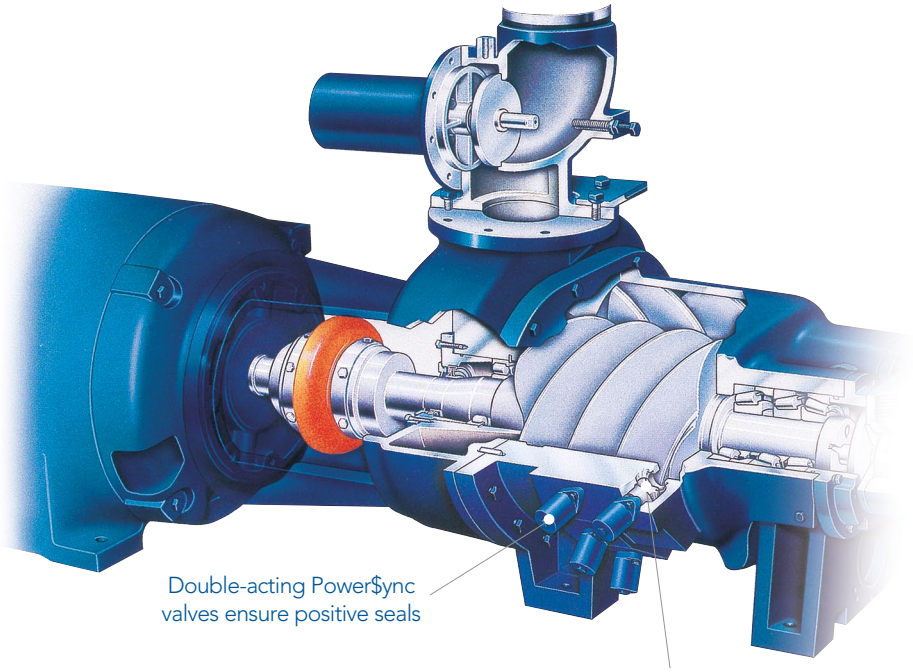


THE QSI POWER$YNC®

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, controlled by the Power$ync controller. These lift valves adjust automatically to match the demand of your application!



VARIABLE DISPLACEMENT LIFT VALVES

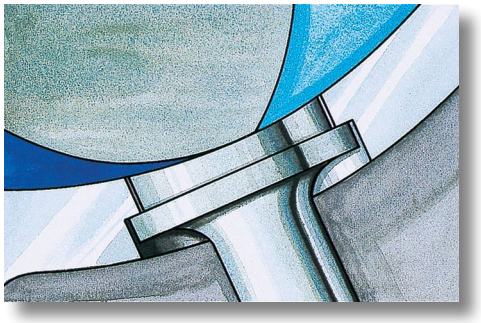
- Machined directly into the airend housing to prevent air leaks (blow-by)
- Contoured to sit directly against rotor
- Double-acting for rapid response and control
- Actuated with internal air pressure - no additional power required
- Superior to Variable Speed Drive machine above 80% load

THE PATENTED QUINCY POWER$YNC® LIFT VALVE DESIGN

EFFICIENT AND RELIABLE

Power$ync microprocessor controls the valves to adjust the airend capacity to match demand for stable pressure.

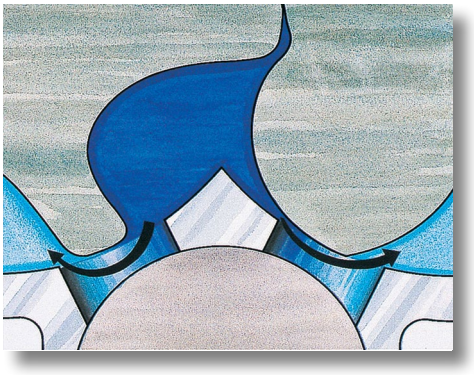
- Contoured valves eliminate blow-by
- Actuated with internal air pressure
- Double-acting for fast, positive control
- Patented design superior to competition



ENGINEERED SOLUTION

All other variable displacement compressors lose efficiency by design.

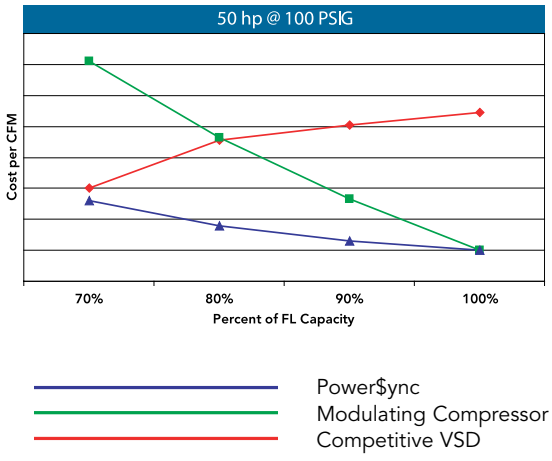
- Leak points between valve and rotor
- Reduced efficiency by up to 4%
- Complex control mechanisms are unreliable
- External pneumatic control



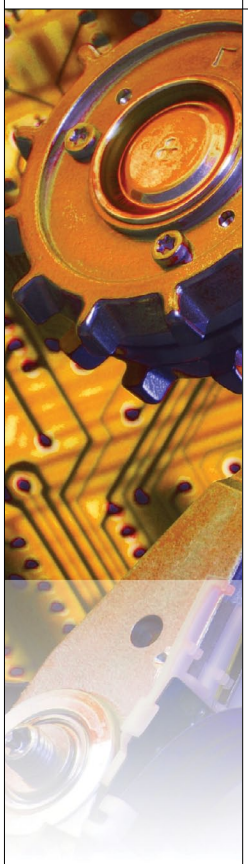
OUTPERFORMS THE COMPETITION

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

what's YOUR EQ? Quincy EFFICIENCY QUOTIENT

2005 FROST & SULLIVAN Customer Service Innovation Award

A PERFORMANCE AND FINANCIAL ANALYSIS

In order to stay competitive in the global market, you need partners that 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.

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.

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.

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.

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.

Quincy's extensive distributor network understands the global challenges you face everyday. 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
- Adjustable open time
- Adjustable cycle time
- 1/4" and 1/2" NPT
- Large 7/16" orifice

PNEUMATIC - No Loss Drains

- Save energy
- Operate on demand
- Low profile
- See-through vessel
- Forgiving
- Large capacity
- Ideal for oil/water separators

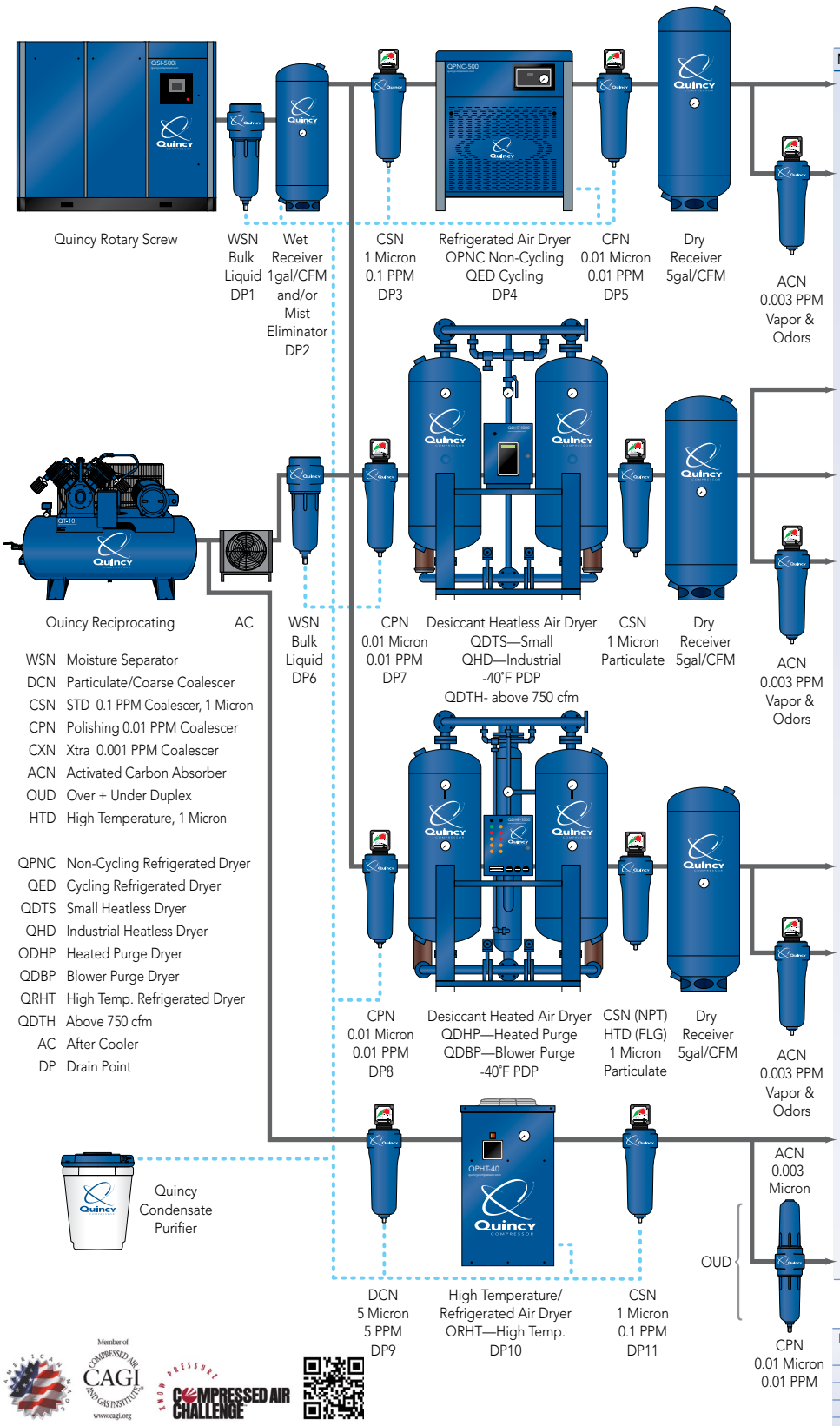
QUINCY CONDENSATE PURIFIERS

- 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

- QPHT high-temp, QPCD cycling, QPNC non-cycling
- Environmentally friendly refrigerants
- Two-valve balanced system on all units
- High performance heat exchangers
- Microprocessor control
- Easy access, powder-coated cabinets
- Fully instrumented

COMPRESSED AIR SYSTEMS BEST PRACTICE



WSN Moisture Separator
DCN Particulate/Coarse Coalescer
CSN STD 0.1 PPM Coalescer, 1 Micron
CPN Polishing 0.01 PPM Coalescer
CXN Xtra 0.001 PPM Coalescer
ACN Activated Carbon Absorber
OUD Over + Under Duplex
HTD High Temperature, 1 Micron

QPNC Non-Cycling Refrigerated Dryer
QED Cycling Refrigerated Dryer
QDTS Small Heatless Dryer
QHD Industrial Heatless Dryer
QDHP Heated Purge Dryer
QDBP Blower Purge Dryer
QRHT High Temp. Refrigerated Dryer
QDTH Above 750 cfm
AC After Cooler
DP Drain Point

Air Quality Classification ISO 8573.1

Solids		Moisture		Oil		Wet System Avg. ΔP	
Micron	ISO	PDP	ISO	PPM	ISO	psi	Mbar
0.01	1	+38°F	4	0.01	1	10.7	738
0.01	1	+38°F	4	0.003	1	11.8	814
0.01	1	-100°F	1	0.001	1	14.2	979

NOTE: Requires CXN (.001 PPM) filter in series with standard CPN prefilter.

1	2	-40°F	2	0.01	1	9.2	634
0.01	1	-40°F	2	0.003	1	10.3	710
1	2	-40°F	2	0.01	1	9.2	634
0.01	1	-40°F	2	0.003	1	10.3	710
1	2	+50°F	6	0.01	2	7.8	538
0.01	1	+50°F	6	0.003	1	10.0	689

Approximate Liquid Removal
100 CFM, 100 psi, 80°F, 4000 hrs./yr., 2 PPM

Drain Point	Gallons per Year	Drain Point	Gallons per Year	Drain Point	Gallons per Year
1	3000	5	140	9	300
2	2000	6	3000	10	4320
3	305	7	310	11	120
4	1300	8	310		

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