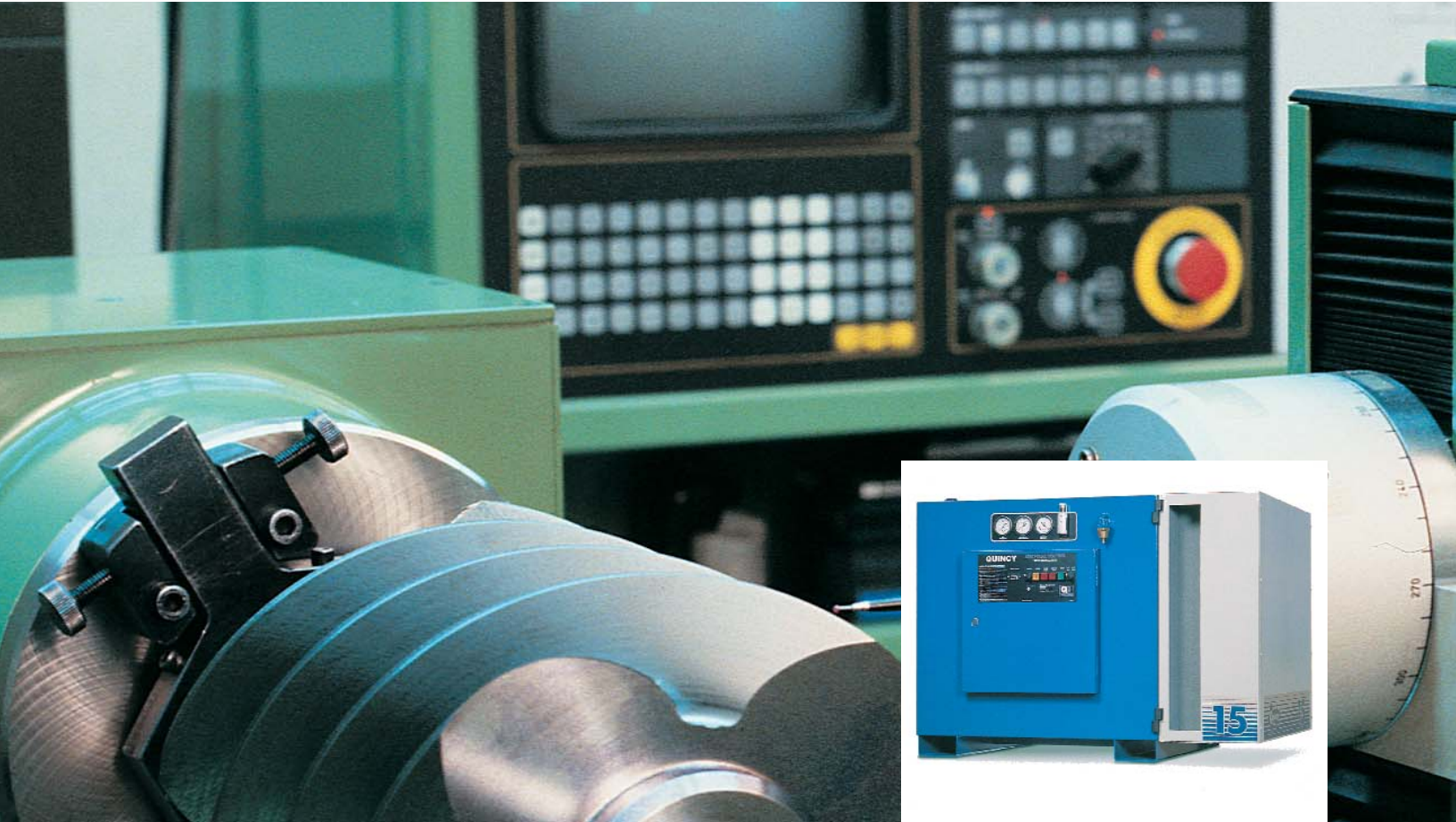

The Quincy QMB and QMT: A new approach to the modular advantage



Quincy quality makes them outstanding.

Quincy

Compressor Division

The QMB and QMT Series
of Rotary Screw Air Compressors
10-30 Horsepower

About the cover:

A polar coordinate measuring machine assures that the QMB and QMT rotors are built to precise tolerances.

QMB/QMT

SERIES 10 • 15 • 20 • 25 • 30 HP

Introducing two compressors that'll make you stand up and take notice.

Not long ago, Quincy pioneered the modular approach to rotary screw compressors with its QMA line. Now, we've taken that approach to the next logical step.

With the QMB and the QMT, we've built the modular advantage into two new attractive, compact, and efficient rotary screw air compressors. Smaller than the QMA, the 10-30 horsepower QMB and QMT are both manufactured at our facility in Bay Minette, Alabama, one of the most technologically advanced compressor plants in the world.

Since the QMB and QMT airends are contained within their fluid reservoirs, they require fewer external piping connections and, therefore, less maintenance. Easy serviceability is assured with a quick-change separator, quick-release cabinet latches, a spin-on fluid filter, and convenient access to routine maintenance areas.

The QMB and QMT also feature full cabinets for quieter operation, and an instrument panel with large, 2-1/2" dampened movement gauges, for quick reading of critical operating data.

In addition to these standard features, the QMB and QMT can be tailored to your individual requirements with such options as Wye-Delta reduced voltage starting, a super-low sound attenuation cabinet, modulation with auto-dual control, and a host of others. Add to all this their highly sophisticated, computer-aided design, and you'll see why the QMB and QMT are two more examples of why Quincy compressors are undeniably the world's finest.





Base-mount 15 HP



Base-mount 15 HP Super-low sound cabinet.

Inside the QMB/QMT

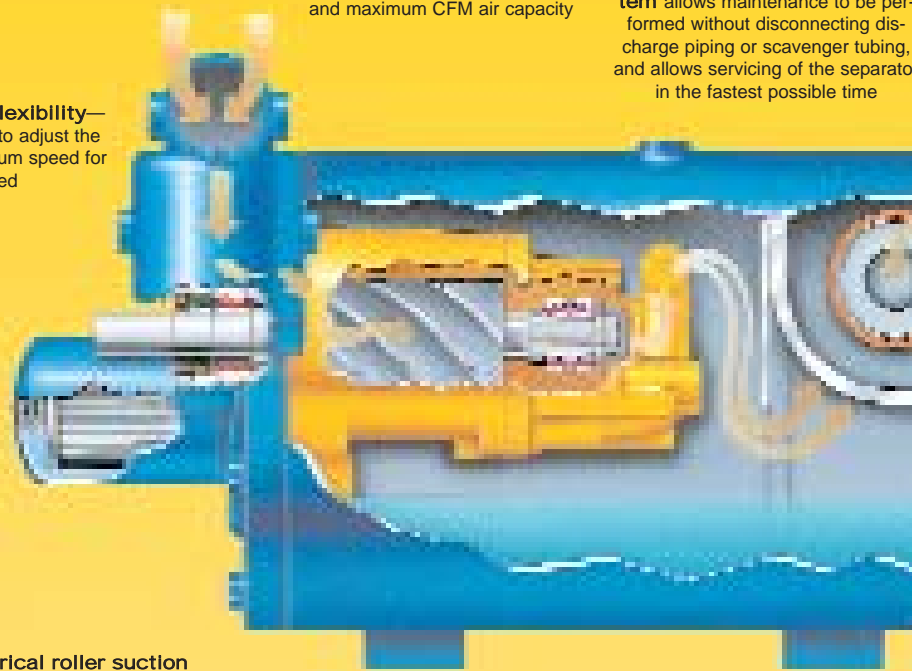
Belt-driven for pressure flexibility—just change the motor pulleys to adjust the RPM of the aircend to the optimum speed for the pressures required

10 micron, absolute, spin-on micro-fiberglass fluid filter with full flow by-pass

Cylindrical roller suction bearings carry radial loads, while back-to-back tapered roller bearings on the discharge end of the female rotor provide superior radial and axial load capacity

Axial flow inlet housing allows maximum use of full rotor length, providing greater efficiency and maximum CFM air capacity

Quick-change separator system allows maintenance to be performed without disconnecting discharge piping or scavenger tubing, and allows servicing of the separator in the fastest possible time



State-of-the art D-profile rotors use the latest rotor technology for small screw compressors

Other standard features

- Cast iron construction
- Air-cooled fluid cooler and aftercooler mounted and piped
- Full voltage, across-the-line starter, mounted and wired
- Continuous run, load/no load inlet control
- Full cabinet with quick release latches
- Factory fill of QuinSyn fluid (food grade available at no extra charge)
- Built to UL, CSA, and NEC standards

Options

- 200, 230, or 575 volts
- 50 cycle
- Wye-Delta reduced voltage starting
- TEFC and high-efficiency motors
- NEMA 4 controls
- Modulation and auto dual/auto demand control with Quincy's patented percent capacity gauge
- Heavy-duty inlet filter
- Exceptionally low sound-attenuated cabinet
- 120 and 200 gallon ASME code receiver tanks
- Lead/lag control



Tank-mount 15 HP

Quality features performing quality functions

Easy-to-read instrument panel features large, 2-1/2" dampened movement analog gauges for air discharge pressure and temperature, and separator differential pressure. Other standard indicators include power light, phase monitor light, hour meter, and selector switch.



Full enclosure for cool, quiet, safe operation—also allows easy installation of heat recovery ducting. Combination over/under aftercooler and fluid cooler is designed to capture maximum cooling air flow, allowing operation in ambient temperatures up to 115°F with a 15°F approach. Single piece design allows easy, efficient cleaning.

Continuous run with total closure inlet valve minimizes operating costs by incorporating load/no load controls.

Belt-drive tensioning is maintained through a heavy-duty, easily adjustable motor platform.

Phase protection relay protects the unit from phase loss, phase unbalance, low voltage, and phase reversal.

Computer-driven test equipment checks static and rotating parts before assembly, using Statistical Process Control (SPC) to assure close tolerances for maximum airend quality and efficiency.

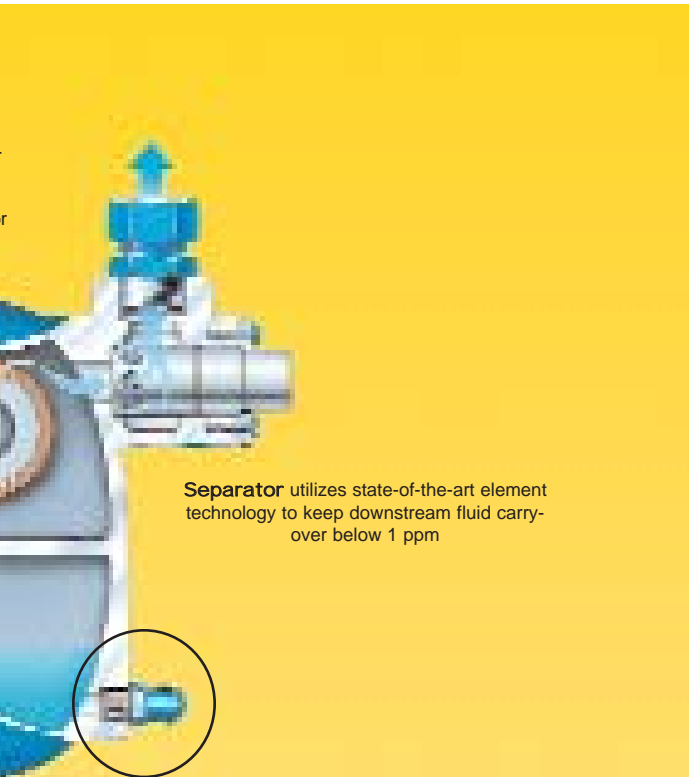
Are you comparing apples to oranges when it comes to separation systems?

Fluid carryover can be measured in two ways. The first method measures the fluid carryover downstream from the aftercooler, moisture separator, and trap. The amount of carryover is normally stated in PPM (parts per million) and is typically in the 3-5 ppm range. Most compressor manufacturers publish carryover rates based on this method of measurement, and while it is a relatively accurate measure of downstream fluid carryover (relative because the effectiveness of the moisture separator and trap at fluid removal will vary with the ambient air conditions), it measures only 1/3 to 1/4 of the actual fluid passed by the separation system.

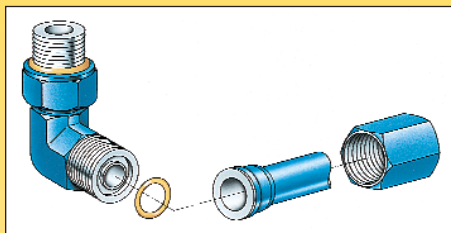
The second method, fluid make-up, is the method Quincy has traditionally used and measures the total amount of fluid lost in both the downstream air system and through the moisture separator and trap. This method provides the most accurate measure of fluid loss.

Don't be misled. Quincy's QMB and QMT products use a unique, highly efficient separation system and separator element that keep fluid make-up under 3 ppm and, remarkably, fluid carryover under 1 ppm.

So be sure you're comparing apples to apples. When we say excellent fluid carryover, that's exactly what we mean—by anyone's definition.



Separator utilizes state-of-the-art element technology to keep downstream fluid carry-over below 1 ppm



Why the QMB and QMT use SAE O-ring fittings

We've designed the QMB and QMT with far fewer potential fluid leakage points than other compressors in their class. One such feature is the modular airend design; another is the use of SAE O-ring fittings on all exterior fluid pipe joints over 1/4" in diameter. These connections boast a superior design to standard pipe fittings, and are used extensively for trouble-free installation and operation in the hydraulic and fluid power industries.

QMB/QMT Facts and Figures

CFM at various pressures*

Horsepower	10	15	20	25	30
100 psi	39	65	90	112	131
125 psi	29	51	82	98	118
150 psi	-	48	70	90	105
175 psi	-	41	61	78	90

Approximate dimensions in inches**

Base-mounted	
Height	38
Width	33
Length	41

Approximate shipping wt in lbs

Horsepower	10	15	20	25	30
Base-mounted	990	1055	1085	1160	1200
Tank-mounted (120 gallon)	1280	1345	1375	1450	1490
Tank-mounted (200 gallon)	1480	1545	1575	1650	1690

Tank-mounted (120-gallon)

Height	66
Width	36
Length	80

We reserve the right to change specifications without liability, without advance notice, and without incurring any obligation for products previously or subsequently sold.

*Consult factory for 50-cycle performance

**See the QMB and QMT technical data sheets for exact dimensions.

Proper filtration must be used for breathing air applications to meet OSHA 29CFR1910.

Performance rated in accordance with CAGI/PNEUROP PN2CPTC2 test codes.

Integrated Dryer Package ends sizing, installation and environmental concerns with non-CFC refrigerated dryer

Why buy a separate stand-alone dryer when Quincy has already done the work of sizing and installing the air drying equipment? With the Quincy Integrated Dryer option, the right-sized dryer is already built into the package. There's no additional floor space required and no piping to worry about. Just plug it in, and it's fully installed.

Quincy's Integrated Dryers are also designed to be environmentally friendly, using a non-ozone-depleting, non-CFC refrigerant.

At the standard dryer rating conditions of 100°F, 100% RH, and 100 PSIG, these dryers will provide pressure dewpoints below 40°F. Plus, they're designed to operate properly in the same high ambient conditions as the QMB compressor.

Ask your Quincy distributor for more information about Quincy Integrated Dryers for QMB compressors.

FIVE - YEAR WARRANTY

Quincy compressor is confident that you will have years of trouble-free service from your Quincy rotary screw compressor. So confident, in fact, that we will provide a full (parts and labor) five-year factory warranty on the compressor airtend without charging a premium or requiring a maintenance agreement. The only stipulation is that you use only the Genuine Quincy maintenance filters and fluids furnished in our discounted Maintenance Kits. That's all.

5-YEAR WARRANTY

QUINCY
BEST IN THE LONG RUN

Our Maintenance Kits provide you with the filters and fluids that you will need to service your machine, and provide them at a price that is less than what you would pay if you bought the parts individually. Buy your first kit at the time you purchase your machine and the Extended Warranty automatically starts.

Buy one kit per year, and Quincy will automatically extend your warranty for another year, up to five years.

Be sure to ask your Authorized Quincy Distributor for details about this program.

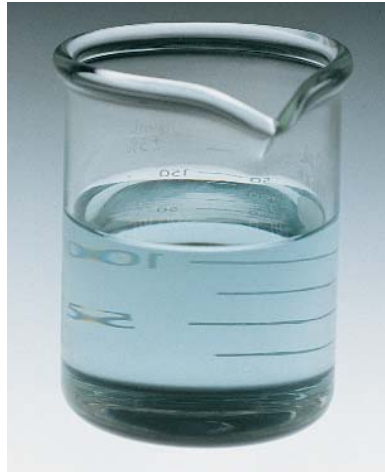
QuinSyn:

A complete line of synthetic fluids blended to be technically perfect for Quincy rotary screw compressors.

Quincy Compressor offers a complete line of synthetic fluids developed for the unique operating environment found in our rotary screw compressors.

QuinSyn is the premier fluid, factory installed as a standard fill in all Quincy rotary screw compressors. Specifically blended to have the features you want in a compressor fluid.

- **High Viscosity Index**
- **Excellent Demulsibility**
- **Excellent Hydrolytic Stability**
- **Outstanding Mechanical Separation**
- **Downstream Component Compatibility**
- **Ecological Compatibility**



QuinSyn F is a food grade fluid with the same outstanding features of regular QuinSyn. This fluid can be factory filled at no additional charge for applications that have incidental contact with food products.

QuinSyn IV is a blended synthetic designed for operating in areas of high ambient contamination. It uses a PAO base stock to provide excellent lubricating qualities, but is blended to be economically changed on a more frequent basis when contaminate loads are high.

QuinSyn HP is a special synthetic, originally designed to operate under the harshest of conditions; pressures over 175 psig and fluid temperatures over 225°F. It has a rated life of over 8,000 hours operating at 200 psig and 250°F.

Whatever your operating conditions, Quincy has THE synthetic fluid to maximize the life of your compressor.

For more information on the QMB/QMT series, call your local Quincy distributor or call the Quincy Air Line, 334-937-5900.

Quincy

Compressor Division

E-mail us at quincy.comp@industry.net
or visit us on the WWW at <http://www.industry.net/quincy.comp>

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