



QMD Dryers

Quincy QMD Series | Modular Desiccant Dryer

QMD Features

- Efficient operation offering 100% airflow 24/7.
- Lower average purge rate of 16%
- Electronic 3/2 valve reduces breakdowns and is more reliable during airflow fluctuations.
- Large pipe diameter reduces pressure drop for more energy savings.
- Easily removable service panels make servicing much easier.
- Easily removable and replaceable desiccant bags speed up servicing.
- Spring loaded desiccant bags to prevent damage from vibrations and pulsations.
- Package filtration includes a coalescing pre filter and particulate after filter.
- Advanced controller to show exactly how the dryer is performing and when it needs to be serviced.
- New innovative silencing system reduces noise and provides a low pressure drop.

Options

- Dewpoint Demand System for increased energy savings.
- -100°F dewpoint for applications that need extremely dry air.
- Wall mounting kit for increased stability and problematic installations.
*Only on simplex units

Specifications

Standard Pressure Dewpoint	-40°F
Minimum Working Pressure	58 PSIG
Maximum Working Pressure	203 PSIG
Minimum Inlet Temperature	36°F
Maximum Inlet Temperature	122°F
Minimum Ambient Temperature	36°F
Maximum Ambient Temperature	113°F



QMD Desiccant Dryer

Model	Inlet Pipe Size (NPT)	Inlet Flow Rate (SCFM)	Dryer Configuration	Dimensions			Weight (lbs)
				Length (inches)	Width (inches)	Height (inches)	
QMD 55	1/2"	55	Simplex	15.5	31.8	47.4	220.5
QMD 75	1"	75	Simplex	15.5	32.6	47.4	240.3
QMD 95	1"	95	Simplex	15.5	33.3	58.9	282.2
QMD 120	1"	120	Simplex	15.5	33.3	58.9	308.6
QMD 140	1 1/2"	140	Simplex	15.5	34.5	72.2	363.8
QMD 190	1 1/2"	190	Duplex	22.2	35.7	58.9	478.4
QMD 230	1 1/2"	230	Duplex	22.2	35.7	58.9	515.9
QMD 275	1 1/2"	275	Duplex	22.2	35.7	72.2	608.5
QMD 350	1 1/2"	350	Triplex	28.9	35.7	58.9	729.7
QMD 420	1 1/2"	420	Triplex	28.9	35.7	72.2	857.6
QMD 550	2"	550	Quadruplex	36.6	38.8	72.2	1102.3

QMD Operation

The Quincy QMD desiccant dryer provides dry air to the compressed air system by adsorbing moisture from incoming air. Package filtration eliminates particulate and oil carryover, prolonging the life of downstream equipment.

Compressed air enters through the coalescing filter, removing harmful particles and oil carryover that could damage the dryer and downstream equipment. Next, the air passes over the desiccant beads in the adsorption tower, removing moisture and bring the dewpoint down to -40°F. At the same time, the adjacent tower is regenerating its desiccant beads to be used again for adsorbing moisture. Regeneration is accomplished by passing a portion of dry air from the adsorption tower over the desiccant beads in the regeneration tower. This portion of air is known as purge air and is passed out of the dryer by way of the silencer. After the towers are done adsorbing and regenerating, they switch by way of the new innovative 3/2 solenoid switching valves, switching duties. The drier air is now passed through a particulate filter to prevent any desiccant dust or remaining particulate from reaching the downstream equipment.



QMD Absorption Dryer

Adding the dewpoint demand option to the QMD dryers can drastically reduce energy bills by only purging as needed instead of on a timed system. If the downstream equipment needs extremely dryer air, the option for -100°F dewpoint is available. Reduce pulsations and vibrations by adding the wall mounting kit.

Airlogic 2 Controller

- Fixed cycle time and total hours display
- CAN communication
- Remote start/stop
- Event history log
- NEMA 4
- Integrated web server with web interface
- Service reminders with service history log

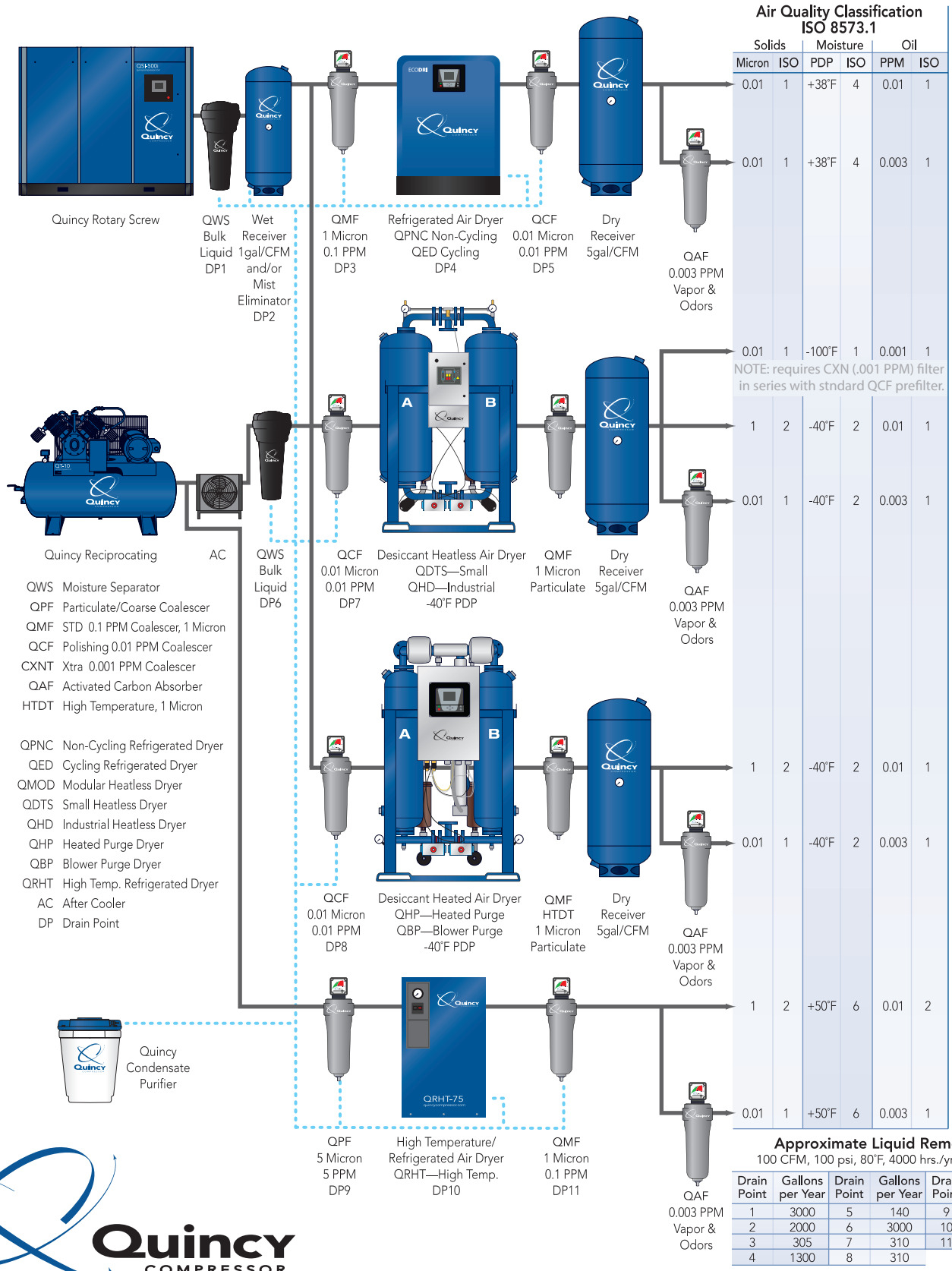


The Importance of Quality Air

After air is compressed, it contains oil, solid particles, and water vapors. Combining these three contaminants can form an abrasive, oily sludge that can sometimes be acidic. If the air is not properly treated, this mix of contaminants will enter your compressed air system causing corrosion in pipes, damage to pneumatic tools, and a compromised end product. By adding a dryer and filters to your system, you can protect your compressed air system and ensure a contaminant free, uncompromised final product.



Compressed Air Systems Best Practice



Performance You Demand. Reliability You Trust.™

701 N. Dobson Avenue | Bay Minette, AL 36507
 Phone 251.937.5900 | Fax 251.937.0872
 Email: info@quincycompressor.com | QuincyCompressor.com

©2018 Quincy Compressor. All rights reserved. Printed in U.S.A.
 (QMD-001 02/18)