



QCMD Dryers

Quincy QCMD Series | Modular Ceramic Desiccant Dryer

QCMD Features

- Efficient operation offering 100% airflow 24/7.
- Lower average purge rate of 16%
- Advanced ceramic block desiccant technology.
- 7 year desiccant cartridge life, under normal working conditions.
- 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.
- Package filtration includes a two pre filters for extended desiccant life.
- Advanced touchscreen controller that gives instant performance data, automatic service alerts, and remote monitoring options.
- New innovative silencing system reduces noise and provides a low pressure drop.
- Can be installed horizontally or vertically thanks to ceramic block desiccant technology.
- Dewpoint Demand System included for increased energy savings.

Options

- -5°F dewpoint for applications with less stringent ISO air requirements.
- 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	35°F
Maximum Inlet Temperature	140°F
Minimum Ambient Temperature	35°F
Maximum Ambient Temperature	113°F



QCMD Desiccant Dryer

Model	Inlet/Outlet Pipe Size (NPT)	Voltage/Phase/Hz	Package kW	Inlet Flow Rate (SCFM)	Dimensions			Weight (lbs)
					Length (inches)	Width (inches)	Height (inches)	
QCMD 45	1/2"	Multiple	0.05	45	24.4	15.5	47.4	227
QCMD 65	1/2"	Multiple	0.05	66	24.4	15.5	47.4	237
QCMD 90	1"	Multiple	0.05	89	24.4	15.5	47.4	247
QCMD 110	1"	Multiple	0.05	111	24.4	15.5	58.9	292
QCMD 135	1"	Multiple	0.05	133	24.4	15.5	58.9	320
QCMD 180	1"	Multiple	0.05	178	24.4	15.5	72.2	377
QCMD 220	1"	Multiple	0.05	222	24.4	22.2	58.9	495
QCMD 265	1 1/2"	Multiple	0.05	267	24.4	22.2	58.9	539
QCMD 355	1 1/2"	Multiple	0.05	356	24.4	22.2	72.2	637
QCMD 400	1 1/2"	Multiple	0.05	400	24.4	28.9	58.9	766
QCMD 535	2"	Multiple	0.05	534	24.4	28.9	72.2	901
QCMD 690	2"	Multiple	0.05	689	24.4	36.6	72.2	1158

QCMD Operation

The Quincy QCMD 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 both coalescing pre filters, removing harmful particles and oil carryover that could damage the dryer and downstream equipment. Next, the air passes over the ceramic desiccant blocks 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 to be used again for adsorbing moisture. Regeneration is accomplished by passing a portion of dry air from the adsorption tower over the desiccant 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. To increase energy savings and dryer efficiency, the QCMD is equipped standard with dewpoint demand. The included sensors drastically reduce energy bills by only purging as needed instead of on a timed system. The dry air finally exits the dryer and moves on towards the downstream equipment or additional air treatment equipment if required.



QCMD Absorption Dryer

Advanced Touchscreen Controller

- Color touchscreen display
- 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



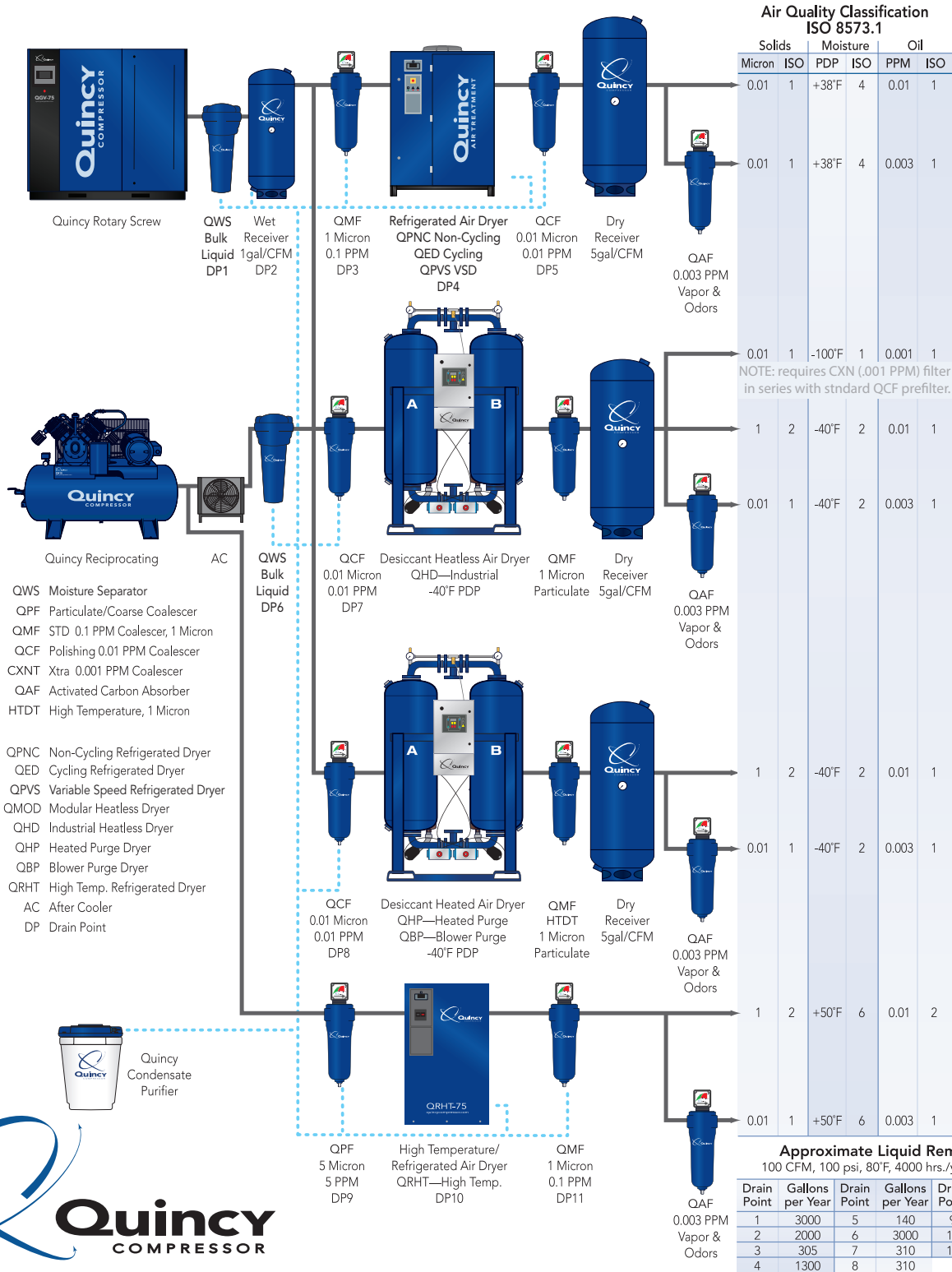
Q-Control Touch Controller

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.™

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