

TruTek Adds Indoor Air Quality Service for Phoenix Homes and Businesses

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TruTek Air Conditioning & Heating LLC has added an indoor air quality service to its HVAC in Phoenix, covering filtration upgrades, scheduled maintenance, and monitoring equipment for residential and commercial properties.

The service addresses conditions specific to the region, according to the company. Representatives said heavy cooling use during long summers means air circulates through a system almost continuously, and that filtration and duct condition affect what circulates alongside it.

Dust is the dominant factor locally, according to representatives. They said fine desert dust reaches indoor spaces through both ventilation and ordinary entry, and that filters in the area load faster than manufacturer replacement intervals assume.

Filter selection involves a tradeoff, according to the company. Representatives said higher-rated filters capture more particulate but restrict airflow, and that a filter rated beyond what a system was designed for can reduce efficiency or strain equipment. They said selection is matched to the system rather than chosen on rating alone.

Assessments precede recommendations, according to representatives. They said an assessment covers filtration, duct condition, ventilation and how a system is currently operating, and that recommendations follow from what is found rather than a standard package.

Duct condition affects results, according to the company. Representatives said leaks in ductwork draw in air from attics and wall cavities, and that filtration improvements have limited effect when unfiltered air is entering downstream of the filter.

Property owners looking for HVAC in Phoenix often call about comfort or cost rather than air quality directly, according to representatives. They said uneven cooling and rising utility bills are the more common reasons

for a call, and that assessments frequently identify airflow issues affecting both.

Monitoring equipment provides ongoing readings rather than a single measurement, according to the company. Representatives said conditions vary through the day and across seasons, and that readings over time show more than a one-time assessment.

Maintenance affects system efficiency as well as air quality, according to representatives. They said restricted airflow makes a system work harder to reach a set temperature, and that this shows up in both energy use and equipment wear.

Seasonal timing matters for scheduling, according to the company. Representatives said maintenance completed before peak cooling season reduces the likelihood of failures during the months when demand is highest, and scheduling is tightest.

Commercial properties have different requirements, according to representatives. They said ventilation standards for occupied commercial spaces differ from residential, and that assessments account for occupancy and use.

The company has published material on indoor air quality, according to the company. Representatives said it covers filter replacement intervals, what conditions warrant a professional assessment, and how system operation affects air movement in a building.

Humidity behaves differently here than in most regions, according to representatives. They said monsoon season introduces moisture that the rest of the year does not, and that systems sized for dry conditions sometimes handle those weeks poorly.

System age factors into what improvements are worthwhile, according to the company. Representatives said filtration upgrades on equipment near the end of its service life may not be the best use of a customer's money, and that assessments include whether a system warrants investment or replacement.

Thermostat settings and fan operation affect circulation, according to representatives. They said running a system's fan independently of cooling moves air through filtration more consistently, and that this is among the adjustments discussed during an assessment.

Technician training covers assessment procedures alongside equipment service, according to the company. Representatives said identifying airflow and ventilation issues requires a different approach than diagnosing a mechanical failure, and that staff complete preparation on both.

The company said it plans to expand the service as demand develops. Representatives said decisions will depend on assessment volume and technician capacity, and that no timeline has been set.

Property owners interested in an assessment can find information through the TruTek Air Conditioning & Heating website.

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