

## SITE INSTALLATION

### Residential Installation - Saratoga, California October 2008

The first European settlement of what is now Saratoga occurred in 1848, when William Campbell constructed a sawmill about 2.5 miles southeast of the present downtown area. An early map noted the area as Campbell's Gap. Shortly after 1863 a spring was discovered which had a mineral content similar to the springs at Saratoga Springs, New York. In 1865, the town received its final name, Saratoga. Saratoga then became quietly agricultural, along with much of the rest of the valley. A few vineyards and orchards from this period remain today. After World War II, the town quickly became urbanized, and it incorporated in 1956. Today the city serves as a bedroom community for Silicon Valley tech workers.



Hot compressor gas is directed through **water cooled condensers** before entering the air cooled condenser coils. Hotwaste water is directed to a swimming pool. Using the pool as a cool water reservoir, the **variable speed** controlled condenser fan runs minimally thereby **saving KWHR** and operational dollars. Hot water is supplied by a natural gas fired 399K BTUH **95% AFUE** boiler. Abe Stallcup from the **Monterey Energy Group** noted: "As a design engineer, Hydronika gave me the opportunity to provide a **unique solution** to some challenging design criteria. The ability to provide a system with multiple zone heating and cooling capability, domestic hot water production and pool heating from a quiet, single package, high efficiency unit is **unparalleled** in the industry. "



This application was designed and engineered by Monterey Energy Group in Pacific Grove, California. The Hydronika unit was provided by Hydronic Specialties in Oakland.