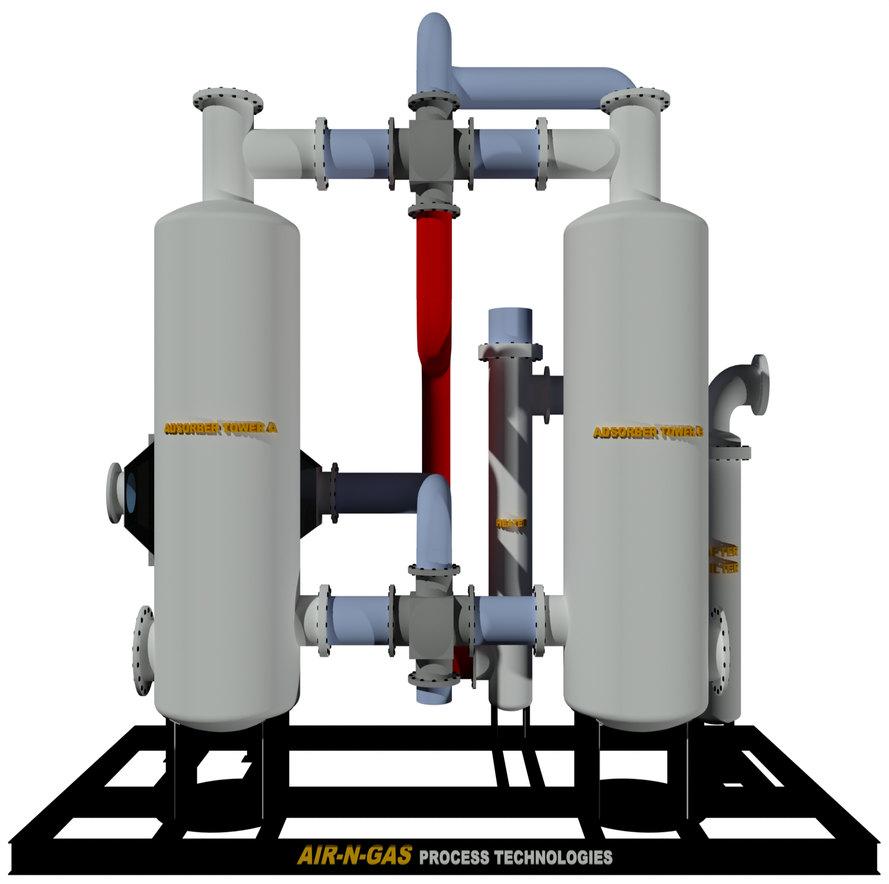
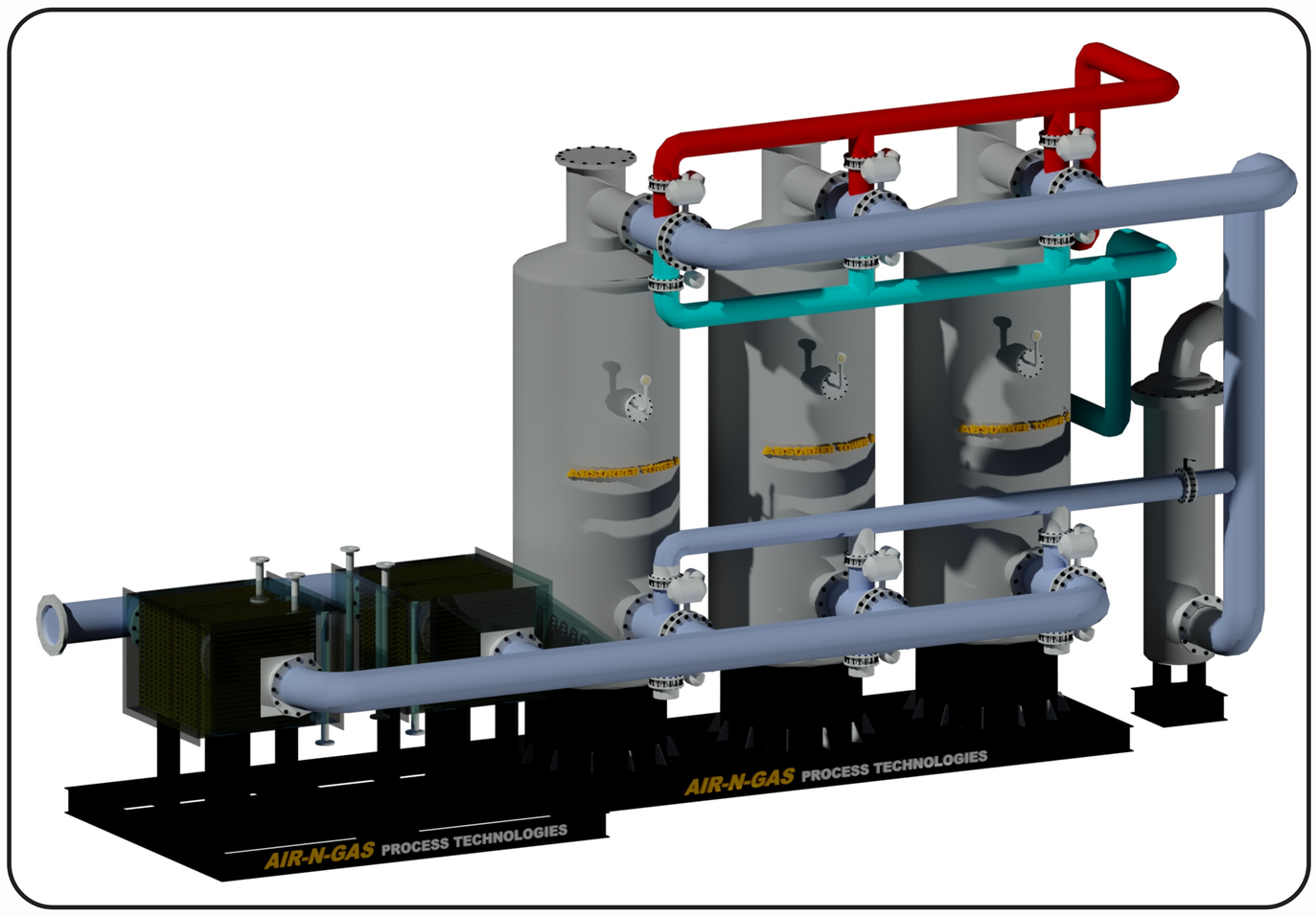
LOW PRESSURE AIR DRYER

3D VIEW OF LOW PRESSURE AIR DRYER

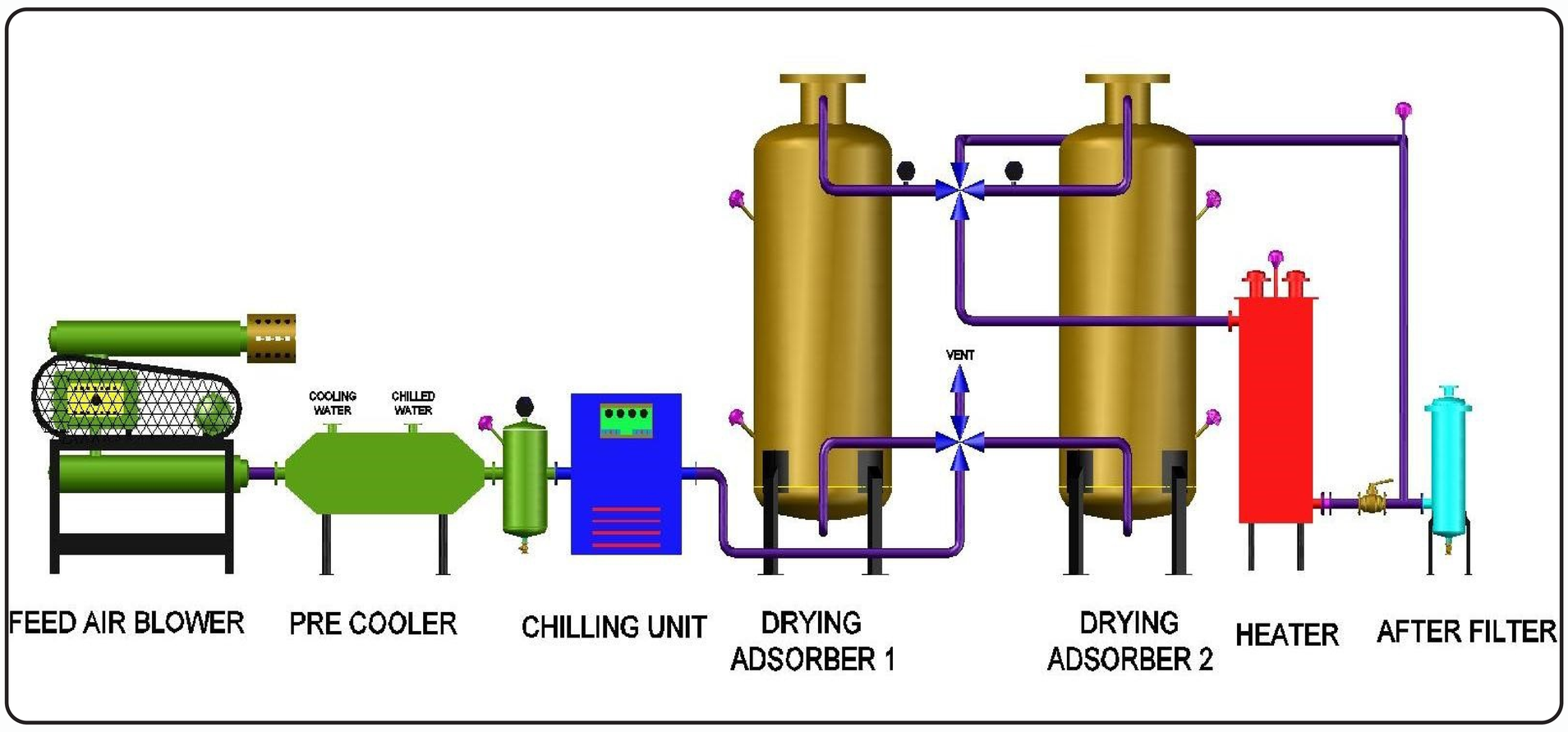


2 TOWER SYSTEM



3 TOWER SYSTEM

PROCESS SCHEME OF LOW PRESSURE AIR DRYER



As the name suggests low pressure air dryer works on the principle of low pressure. Due to this blower is used as inlet air is passed through blower and outlet air is 0.1-0.2 kg/cm2g and 70-80 Deg. c. After that air will pass through a combination cooler (Chilled & Cooled water) where the temperature of air is reduced and moisture is condensed through auto drain valve. Both the tower is filled with desiccants (Molecular sieve & Activated Alumina). Now air will pass through tower A for process where moisture is absorbed and air will come out through after filter with dew point of (-) 60 Deg. c. At this time tower B is in regeneration cycle. For this 30-40% purge hot air @ 200 Deg. C taken from outlet line for the regeneration of desiccants. After that tower is fully regenerated and heater is switched off automatically by PLC. Both the towers works automatically through PLC.

SOME SALIENT FEATURES OF LOW PRESSURE AIR DRYER

1. Advanced PLC System for timing Sequence
2. Reliable & Efficient air dryer
3. Large desiccant bed for consistent dew point
4. Easy maintenance
5. Adp of (-)80 Deg. C can be easily achieved or greater
6. Long life of 4 way valve system
7. Most Economical air dryer
8. Advanced 3 tower system also provided