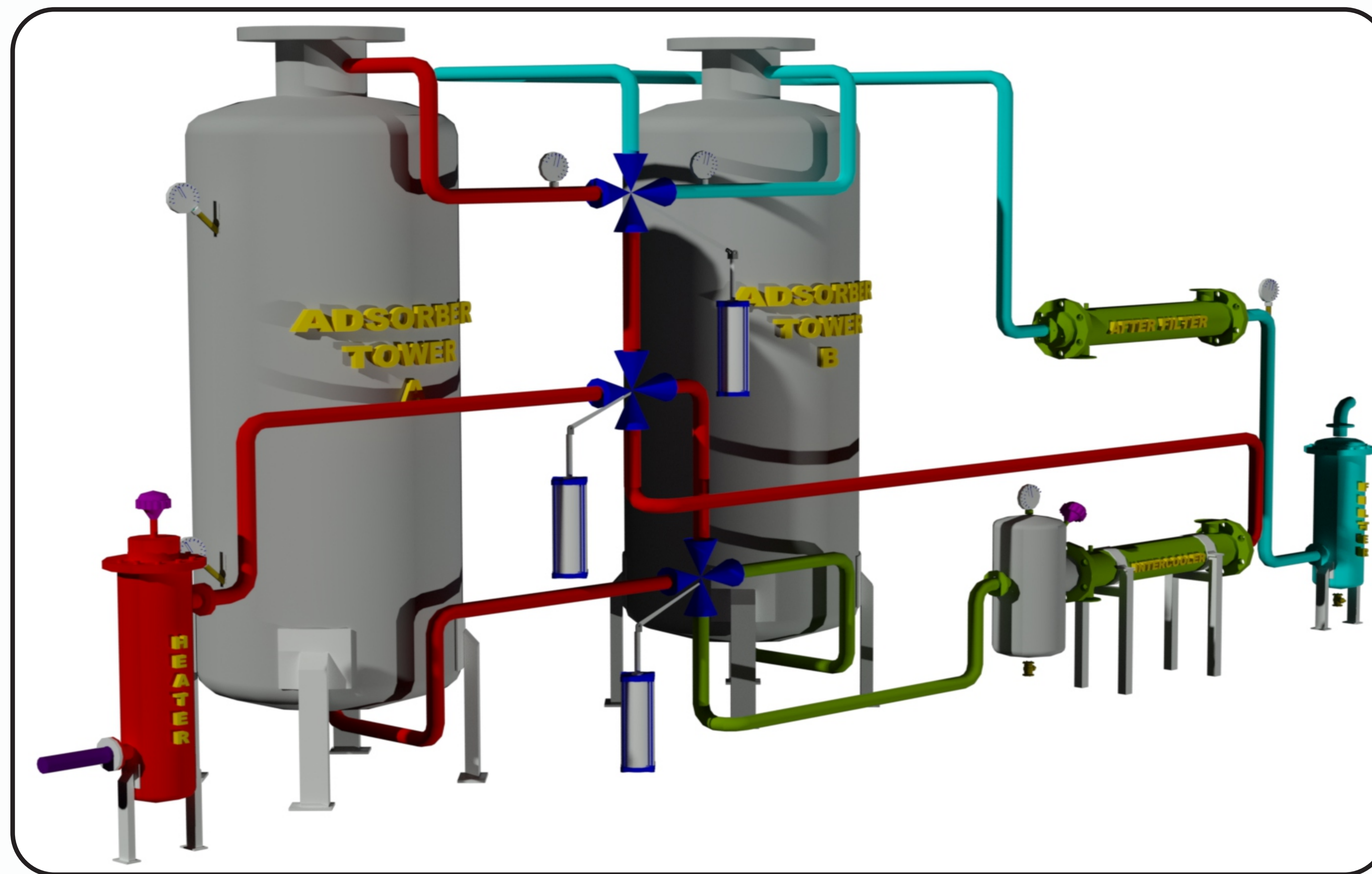


HEAT OF COMPRESSION (HOC) AIR DRYER

3D VIEW OF HEAT OF COMPRESSION (HOC) AIR DRYER



Heat of Compression type air dryer is a breakthrough in drying technology. The hot air from the Compressor at 140°C and higher temp, is used directly for regeneration of the desiccant. After regeneration, this air is cooled down to 40°C and then it is dried in second tower. Thus the use of heaters is eliminated. For eg. in the 6+6 Hrs. Cycle the hot air is fed for regeneration for 4 Hrs. and for balance 2 Hr. a changeover takes place where the air is first cooled in cooler, then dried and before going to the outlet, cools the regenerated desiccant bed, thus bringing it down to ambient temperature. This cycle is reversed for the next 4Hrs. where the Adsorber drying the air in the previous cycle goes for regeneration and vice-versa

SOME SALIENT FEATURES OF HEAT OF COMPRESSION (HOC) AIR DRYER

1. Excellent in Dessicant dryer
2. Minimum Energy loss
3. No purge loss
4. ADP of (-) 40 Deg. C Can be easily achived
5. Conceptualization of 3 way valve system
6. Most economical Air dryer
7. Advanced dry air cooling for no dip in dew point during changeover