



THE ENERGY - SAVER

Cool Products Air Purger type CPAM

How do we get air and water in systems?

"I don't have air and water in my system"

- Drawn into low pressure systems:
- Leaking shaft seals, gaskets, valve stems etc. draw in air including moisture
- Service and maintenance, all systems:
- "Pure" anhydrous R717 contain 0.3% water
- Inappropriate evacuation after opening (vacuum pumps used correctly?)
- Residual R717 absorb moisture from air
- Chemical reactions (non-condensibles), all systems:
- Ammonia and metals (especially aluminum and zinc)
- Alu gaskets, galvanization, zinc chromating on valves etc.
- Ammonia and oil in the presence of water/air reacts chemically

