



Special Driers



Heuch manufacture Air/Gas Driers for special applications

- High Air Inlet Conditions
- High Ambient Conditions
- High Pressure Applications
- Marine Service
- Hazardous Area Applications
- Gases other than Air
- With & without Reheat
- Corrosive Environments



Small-Off Shore-Haz Area-316ss



Medium-Off Shore-Haz Area-316ss

Why you should choose a Heuch Compressed Air Drier

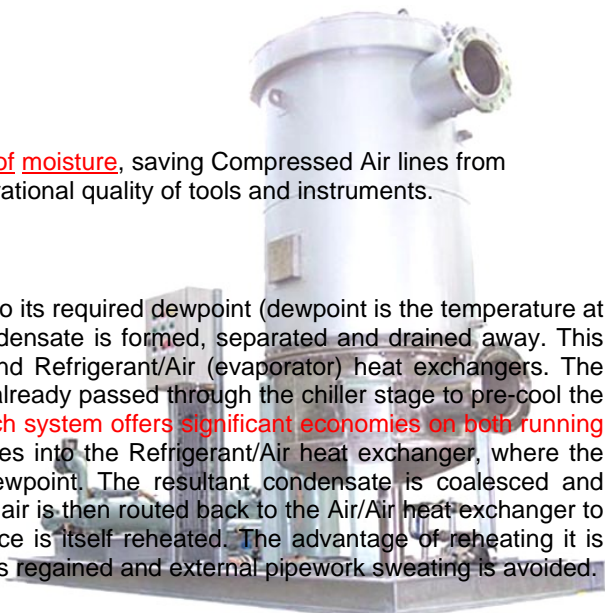
- ❖ Small refrigerant charge. Refrigerants with a low ozone depletion and global warming potential used.
- ❖ Low connected kilowatts - cheaper to operate.
- ❖ Manufacture and Engineering of Compressed Air Driers since 1970.
- ❖ Air Cooled and Water Cooled models available.
- ❖ After Sales Service and Spare Parts are available 24 hours a day, every day.



Compressed Air Driers produce Compressed Air **free of moisture**, saving Compressed Air lines from corrosion and air wastage, increasing the life and operational quality of tools and instruments.

How the Drier works :

By reducing the temperatures of the Compressed Air to its required dewpoint (dewpoint is the temperature at the point of change between vapour and liquid), condensate is formed, separated and drained away. This cooling is achieved in two stages by using Air/Air and Refrigerant/Air (evaporator) heat exchangers. The Air/Air heat exchanger uses the air at 3°C which has already passed through the chiller stage to pre-cool the incoming warm air. **With efficient pre-cooling the Heuch system offers significant economies on both running and capital costs.** Following pre-cooling, the air passes into the Refrigerant/Air heat exchanger, where the refrigerant lowers the air temperature to its 3°C dewpoint. The resultant condensate is coalesced and discharged via an automatic drain valve. The dry cold air is then routed back to the Air/Air heat exchanger to pre-cool the warm incoming air and as a consequence is itself reheated. The advantage of reheating it is that the air now has a lower relative humidity, energy is regained and external pipework sweating is avoided.



An 'at-source' Drier and Filter system will provide the whole factory with High Quality, Dry and Clean Compressed Air.