



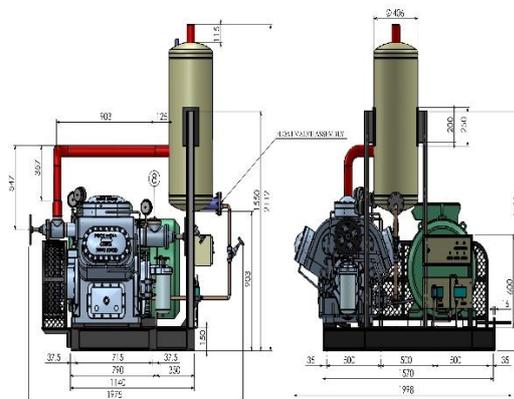
At SIPEPL, the complete set of Utilities required for the Margarine Plant is supplied with the Plant. These include Hot Water Generation Skid, Suction Accumulator, Refrigeration Package and Automated CIP Plant.

Hot water is also required in the Tanks, PHEs of the Pasteurizer and the Continuous Remelt to heat the oil as required by the process and the jacketed pipeleins carrying oil blends is generated by the **Hot Water Generation Skid.**



The common **Suction Accumulator** known as "Knock-Off Drum" installed before the ammonia compressor helps to ensure liquid refrigerant is separated before the vapor enters the compressor. The heavier liquid particles are accumulated in the Suction Accumulator and evaporated by the automation controls provided for the circulation of hot gas from the discharge of the Ammonia Compressor to the condenser through the Suction Accumulator.

The Ammonia **Refrigeration System** comprising of a compressor, a condenser, a receiver, an evaporator which are the Sinitators, a knock off drum and the oil separator with different types of compressors and condensers are used in the circuit. At SIPEPL, refrigeration packages are automated to suit to the requirement of the Sinitators with Single Stage Reciprocating Compressors or Two Stage Reciprocating Compressors or Screw Compressors.



The use of water and proteins in Specialty fats will require for a periodic **CIP** of the Plant. All the equipment supplied by SIPEPL are CIP Compatible. The PLC controlled multi-use CIP System supplied by SIPEPL shall be complete with pumps, valves, flow meters, dozing pumps, pressure gauges etc. and skid mounted with pre-fabricated pipelines and electrical instruments for easy rig up to the Margarine Plant.

