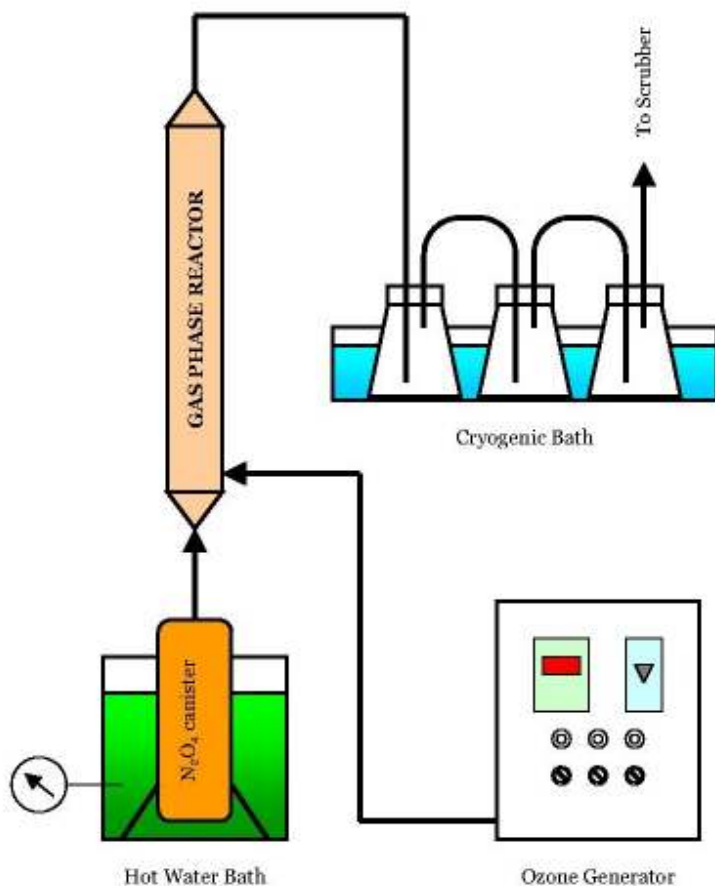


DINITROGEN PENTOXIDE MANUFACTURING PLANT



We have technical know-how for the manufacture of dinitrogen pentoxide, N₂O₅.

Known also as nitrous anhydride, it is an excellent nitrating agent, & is used for the synthesis of a majority of energetic materials, which are obtained by the nitration of a variety of substrates such as aromatic compounds, alkanes, alkenes, alcohols, sugars, oximes, amines and amides. The importance of dinitrogen pentoxide lies in the fact that it can react in solution as well as in the gas phase.

We undertake projects on a turnkey basis, the scope of work being technology transfer & setting up of complete manufacturing facility for manufacture of the compound.

A fully automatic plant is offered, with control over the operating parameters through a remote computer terminal, using a supervisory control (SCADA) package. Adequate process monitoring & safety features are incorporated in the system, which ensure safe & reliable plant operations, & result in consistent qualitative & quantitative production efficiency.

Salient features of our product are as follows :-

1. Adequate safety devices installed for operator safety
2. Fully automatic remote controlled version available
3. Good quality instruments provided for accurate control of process parameters
4. Manufactured from corrosion-resistant stainless steel grade SS316L
5. PU foam insulation provided for high production efficiency & energy conservation
6. Ozone generator capable of producing very high concentration of ozone for rapid reaction
7. Can be operated by regular plant / laboratory personnel
8. Suitable for continuous & unattended operation
9. Completely safe for installation in plant or laboratory
10. Stand-alone skid mounted unit; prototype benchtop version also available

Manufactured in India by :-

NAVIN PROCESS SYSTEMS

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