

Rayat Shikshan Sanstha's

D. P. Bhosale College, Koregaon

Department of Physics



Asian Compressor Pvt.Ltd

Industrial Visit

2021-22

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Industrial Visit: Asian Compressor Pvt. Ltd

It has remarkable experience of study tour. This acknowledgement is attempt to thanks to “Asian” Asian Air Compressor Company.

We are thankful to **Dr. V. S. Jamdade (HOD)** and **Mr. P. S. Kadam** for offering us all facilities during tour. Completing this report would not have been possible without cardinal help and permission, extended to us by Honorable Principal **Dr. V. S. Sawant**.

Abstract :

Air compressor system for domestic use has been constructed using locally available materials. The air compressor is a pneumatic device that converts power (using an motor'diesel or gasline etc.) The potential energy stored in pressurized air. One of several method ,an air compressor forces more and into storage tank ,increasing the pressure.still heat their air compressor using electricity which is the most expensive way to heat water.

Tour Report : -

(Department of Physics of D.P. Bhosale College, Koregaon was organized one day study tour at Asian Company M.I.D.C. Koregaon Dist- Satara on 26th May 2022)

We are the student of T.Y.B.Sc (Physics) has participated in this study tour to understand construction as well as the working of Air compressor and its uses. Technician officer Mr. Salunkhe V.S. Sir was informed us about all machines and their importance. Also use of Air compressor in daily life and how we can save energy. The also talked and demonstrate how to fabricate air compressor.





Air Compressor Consist :-

The domestic Air Compressor has been divided into two components.

1) Air Inlet.

2) Pressure Gauge.

1) Water Drain Tap :-

The wide range of the storage tank ranging from low end capacities. The tanks can be used for small homes to large townships. The storage Tank has to cylinder with drilled hole 20 i.e. inner and outer cylinder. These two cylinder with separated by insulating material for avoiding the heat exchange with the environment.

2) Pressure Gauge :-

Evacuated tube collector are way to reduce heat loss. Water piping in an ETC surrounded by two concentric tubes of glass separated by vacuum that admits heat from the sun. The inner tube is coated with thermal absorber. ETC can gather from the sun all day long at angles due to their tabular shape. In ETC cold air comes from tank with lower level and hot air transfer from ETC to tank with upper layer. Thus , separation of the cold and hot air obtained in same time. When we pass the cold air from inlet then and only then we get hot air through outlet.

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5	Kadam Sanket Ashok	B.Sc.-III
6	Katkar Omkar Jotiram	B.Sc.-III
7	Kodulkar Swati Shrikrushna	B.Sc.-III
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