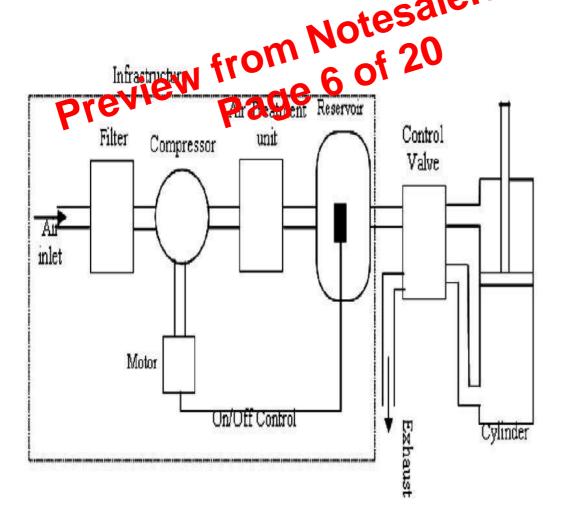
Basic block diagram of Pneumatics system 1. A Air tank to store a given volume



- A Air tank to store a given volume of compressed air.
- 2. A compressor to compress the air that comes directly from the atmosphere.
- An electric motor to drive the compressor.
- 4. Valves to control oil DIRECTION, PRESSURE AND FLOW RATE.
- An actuator to convert the pressure of the oil into mechanical force or torque.
- Pipes which carries the air from one location to another.

Advantages and disadvantages of Pneumatics • Advantages from 7 of 20 1. Platurally available 2. Easy mainton

- Reduced frictional losses.
- Less expensive system.
- Less force is required due to lower intertia of air.
- Disadvantages
- preparation of air is major problem.
- Noise pollution
- It is limited to lighter loads.

