

LECTURE 36

CONDITIONING AND DISTRIBUTION OF COMPRESSED AIR

FREQUENTLY ASKED QUESTIONS

1. List three main elements of an FRL unit used in pneumatics

Answer:

- a) Air filter
- b) Air lubricator
- c) Air regulator

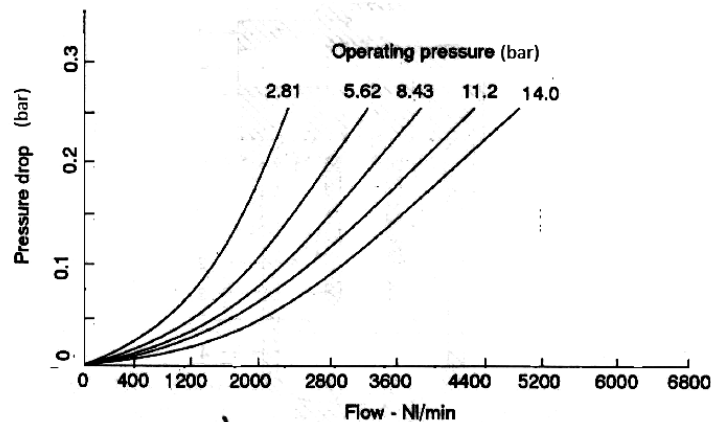
2. List three function of air filter

Answer

- a) To prevent entrance of solid contaminants to the system
- b) To condensate and remove the water vapour that is present in the air passing through it
- c) To arrest any submicron particles that may pose a problem in system components

3. Draw characteristic curves of pressure drop versus flow for air filter.

Answer



4. List three source of contamination

Answer:

- a) The quality of air being drawn into the compressor
- b) The type and operation of the air compressor:

c) Compressed air storage devices and distribution systems:

Additionally, piping and air receivers will also cool the moist compressed air forming condensate which causes damage and corrosion.

5. Draw the simplified symbol of FRL unit.

Answer:

