

1). What is the SI unit of force?

- (A) Kilogram
- (B) Newton
- (C) Dyne
- (D) Pounds

Correct Answer: B

2). Which valve controls the direction of the flow of fluid?

- (A) Flow control valve
- (B) Non-return valve
- (C) Pressure control valve
- (D) Directional control valve

Correct Answer: D

3). Which formula calculates force?

- (A) Pressure ÷ Area
- (B) Pressure x Area
- (C) Pressure - Area
- (D) Pressure + Area

Correct Answer: B

4). Which device used to remove dust, chips and other foreign particles from the fluid?

- (A) Pressure regulating valve
- (B) Filter
- (C) Accumulator
- (D) Regulator

Correct Answer: B

5). Which formula calculates the pressure?

- (A) Force + Area
- (B) Force/Area
- (C) Force - Area
- (D) Force x Area

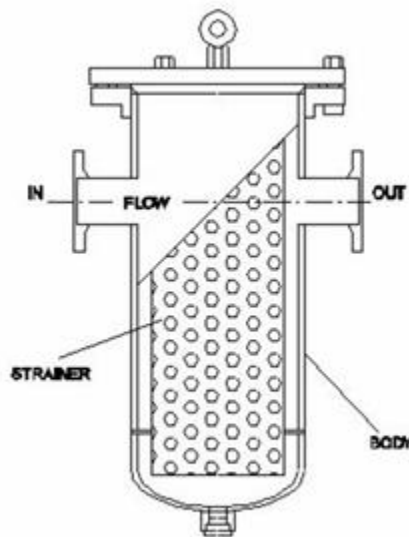
Correct Answer: B

6). What is the main cause for the withdrawal of hoses in a pneumatic system?

- (A) Old hoses
- (B) Loose connection of hoses
- (C) Rigid connection of hoses
- (D) Excessive working pressure

Correct Answer: B

7). What is the name of the filter shown in the figure?



- (A) Absorbent filter
- (B) Mechanical filter
- (C) Magnetic filter
- (D) Return line filter

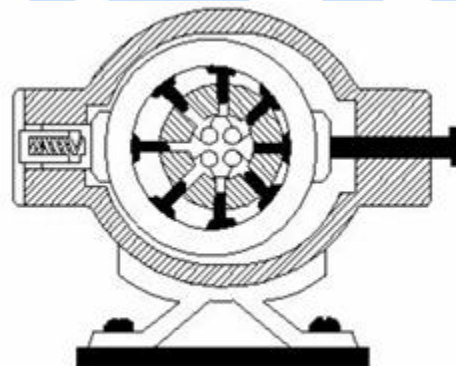
Correct Answer: B

8). In which situation the pressure switch of a compressor restarts?

- (A) Pressure level drops to high level
- (B) Pressure level reaches to minimum level
- (C) Pressure level drops to the pre-set level
- (D) Pressure level reaches to the maximum level

Correct Answer: C

9). What is the name of the hydraulic pump shown in the figure?



- (A) Bent axis piston pump
- (B) Radial piston pump
- (C) Axial piston pump
- (D) Vane pump

Correct Answer: B

10). How leakage can be arrested in a pressure relief valve?

- (A) By tightening the adjustable screw

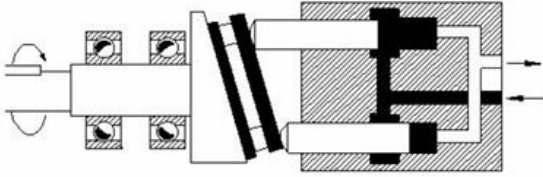
- (B) By pouring wax into the valve assembly
- (C) By using shellac in the assembly
- (D) By using suitable seals

Correct Answer: D

- (A) To reduce the oil flow
- (B) To prevent the entering foreign matter
- (C) To reduce the pressure in the pump
- (D) To increase the pressure in the pump

Correct Answer: B

11). What is the name of the hydraulic pump shown in the figure?



- (A) Axial piston pump
- (B) Bent axis piston pump
- (C) Radial piston pump
- (D) Vane pump

Correct Answer: A

12). Which device in pneumatics is used for converting pressure energy of compressed air into mechanical energy?

- (A) Pneumatic actuators
- (B) Filter
- (C) Regulator
- (D) Cylinder

Correct Answer: A



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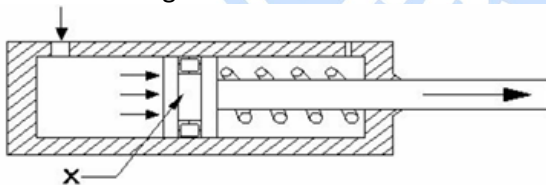
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13). What is the effect of using an oil resistant rubber seal in a pressure relief valve?

- (A) To create appearance
- (B) To ensure cushioning effect
- (C) To prevent leakage between cast body and screw
- (D) To prevent dirt mixing with oil

Correct Answer: C

14). What is the name of the part marked as 'X' shown in the figure?



- (A) Cylinder
- (B) Piston
- (C) Seal
- (D) Spring

Correct Answer: B

15). Why filter is installed in suction line of hydraulic pump?