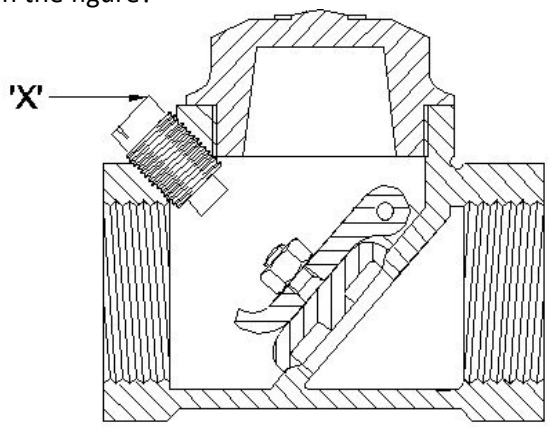
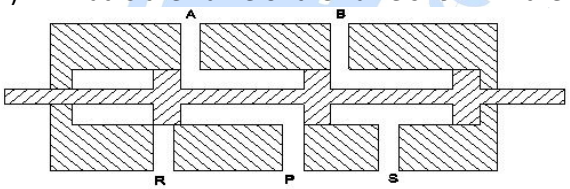
1). What is the name of the part marked as 'x' shown in the figure?



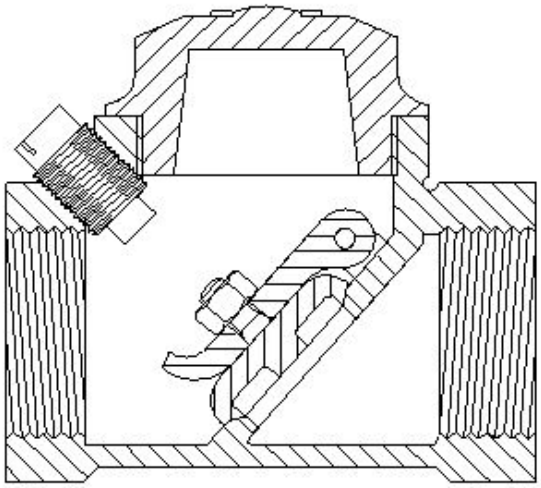
(A) Disc
(B) Stop plug
(C) Hinge pin
(D) Disc hinge nut
Correct Answer: B

2). What is the name of the valve shown in the figure?



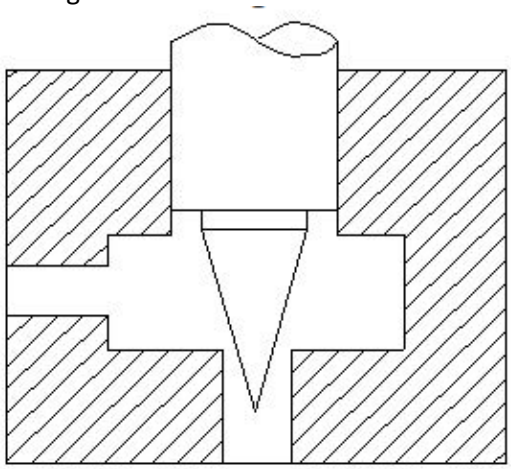
(A) 5 port 2 position valve
(B) 3 port 2 position valve
(C) 4 port 3 position valve
(D) 4 port 2 position valve
Correct Answer: A

3). What is the name of the valve shown in the figure?



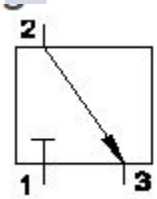
(A) Flow control valve
(B) Ball type check valve
(C) Swing check valve
(D) Pressure type valve
Correct Answer: C

4). How to reduce the air flow from the sketch shown in the figure?



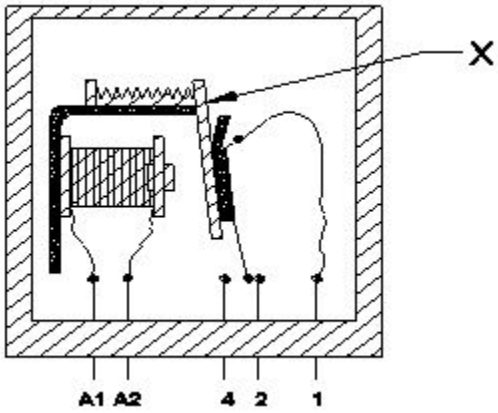
(A) Applying more pressure
(B) Applying less pressure
(C) Less opening of needle
(D) More opening of needle
Correct Answer: C

5). What is the air flow direction shown in the figure?



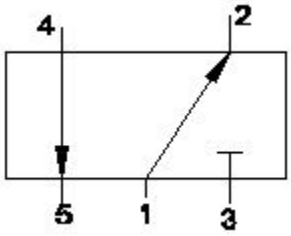
(A) No air flow
(B) 2 to 3
(C) 3 to 2
(D) 1
Correct Answer: B

6). What is the name of the part marked as ' x ' shown in the figure?



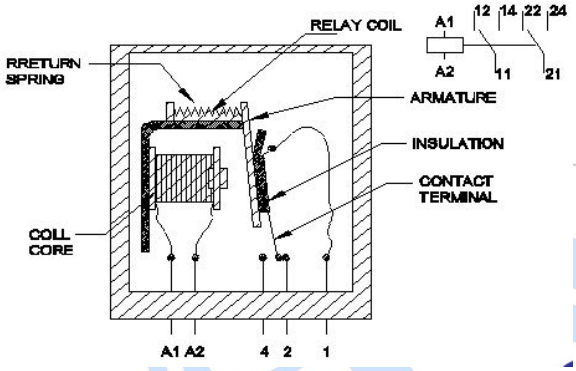
(A) Return spring
(B) Contact terminal
(C) Coil core
(D) Armature
Correct Answer: D

7). What is the closed port in symbol shown in the figure?



(A) Port 1
(B) Port 2
(C) Port 3
(D) Port 4
Correct Answer : C

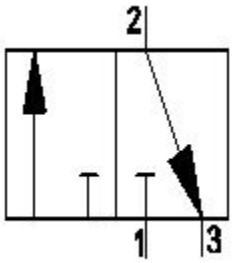
8). What happens, if voltage is applied to the coil of a relay in an electromagnetic switch shown in the figure?



(A) Armature start rotating
(B) Intensity of current increases
(C) Intensity of current decreases
(D) Electromagnetic field created
Correct Answer: D

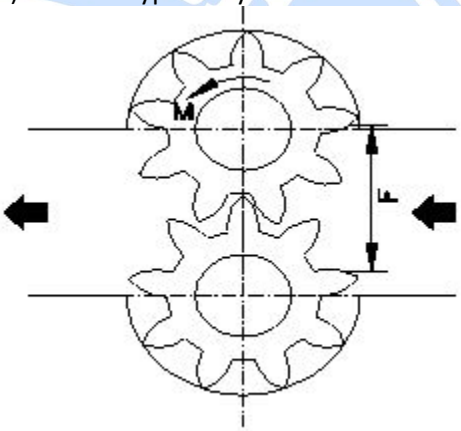
9). What is the cause for the armature being attracted to the coil core in an electromagnetic actuated switches?
(A) Electromagnet field produced in solenoid coil
(B) Electromagnet field produced in relay coil
(C) Electromagnet field produced in return spring
(D) Electromagnet field produced in armature
Correct Answer: A

10). What is the name of the valve symbol shown in the figure?



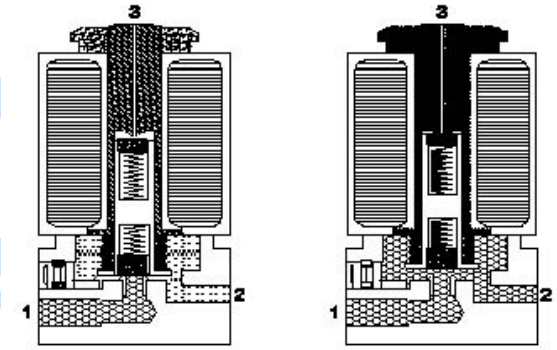
(A) Directional control valve
(B) Flow control valve
(C) 3/2-way valve
(D) 5/2-way valve
Correct Answer: C

11). Which type of hydro motor is shown in the figure?



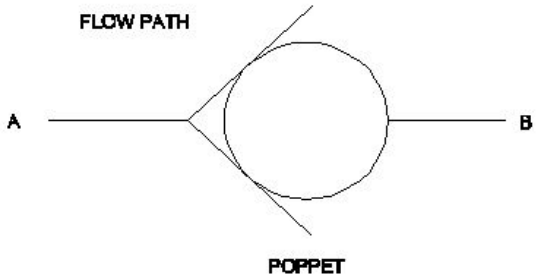
(A) Gear type
(B) Vane type
(C) Piston type
(D) Propeller type
Correct Answer: A

12). How the air flow in a single solenoid valve is shown in the figure?



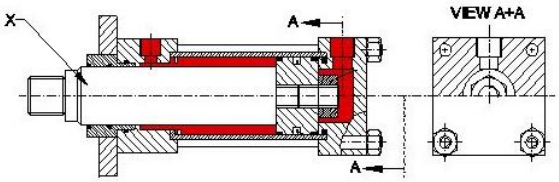
(A) Port 1 to 2
(B) Port 2 to 1
(C) Port 1 to 3
(D) Port 2 to 3
Correct Answer: A

13). What is the name of the valve symbol shown in the figure?



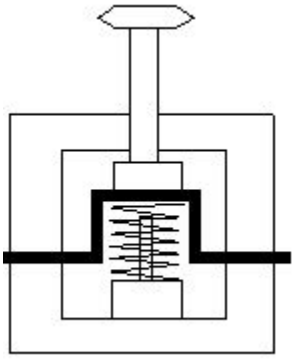
(A) Non-return valve
(B) 3/2-way valve
(C) Roller valve
(D) Pressure control valve
Correct Answer: A

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



(A) Guide ring
(B) Piston rod
(C) Lock nut
(D) Cylinder cap
Correct Answer: B

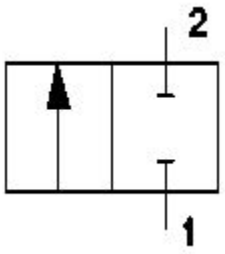
15). What is the name of the position of electro pneumatic push button in the changeover condition shown in the figure?



(A) Vertical position
(B) Normal position
(C) Actuated position
(D) Horizontal position
Correct Answer: C

16). Which valve is used for mechanical position to sense in machine automation system?
(A) Pressure relief valve
(B) Roller valve
(C) Flow control valve
(D) Directional valve
Correct Answer: B

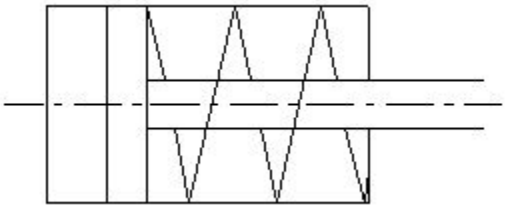
17). What is the name of the pneumatic valve symbol shown in the figure?



(A) Directional control valve
(B) Roller valve
(C) Pressure valve
(D) Flow control valve
Correct Answer: A

18). Which valve permits fluid flow in one direction and block flow in opposite direction?
(A) Check valve
(B) Shuttle valve
(C) Flow control valve
(D) Pressure relief valve
Correct Answer: A

19). What is the name of the symbol shown in the figure?



(A) Moving part of valve
(B) Pressure relief valve
(C) Double acting cylinder
(D) Single acting cylinder with spring
Correct Answer: D

20). What is the effect of the disc not being seated to its position in pneumatic swing check valve?
(A) Regulates the flow rate
(B) Air flows in reverse direction
(C) Prevents the air flow in reverse direction

(D) Controls the direction of flow
Correct Answer: B