

Fig. 14  
Abb. 14  
Рис. 14  
Obr. 1

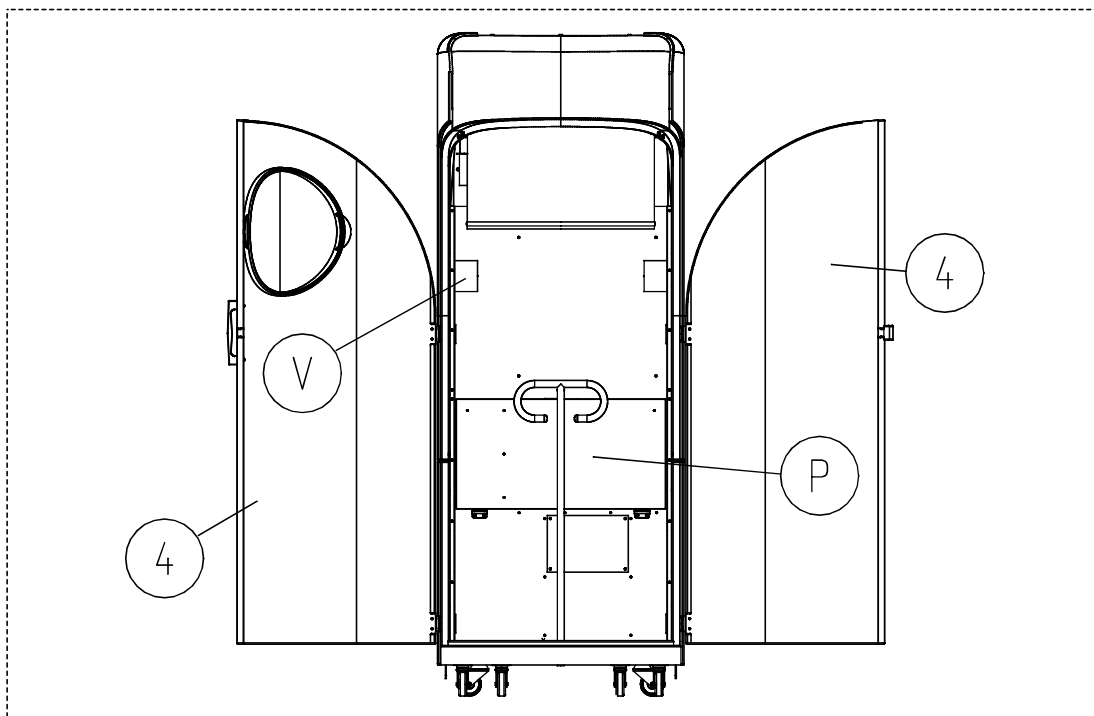
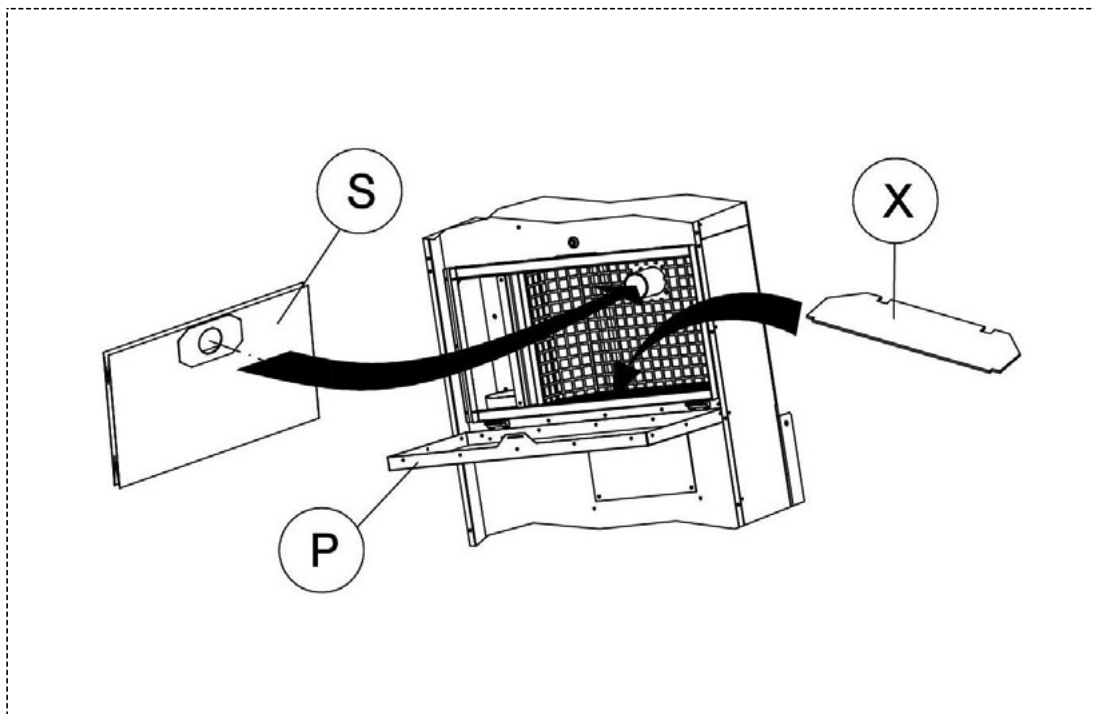


Fig. 15  
Abb. 15  
Рис. 15  
Obr. 15



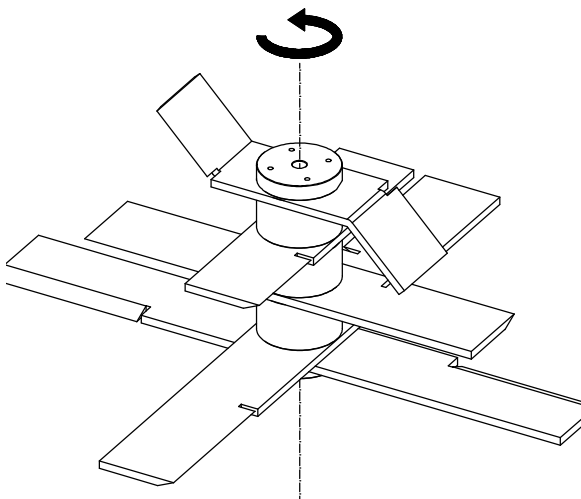
## 1.1 ELECTRICAL INSTALLATION AND WIRING (Tab. D, E, pag. 11-12)

### IMPORTANT!

After the machine is connected to the main power supply it is required to check If blades are moving with a COUNTER-CLOCK-WISE ROTATION (when looking from the top of the blades).

**WARNING- DANGER! This operation must be performed by following carefully these procedures:**

- Turn the main switch (U) [Fig.11] into "I" position
- Press the START button (D) [Fig.6] and after few seconds press the STOP button (E) [Fig.6]
- Press the emergency button (A) [Fig.6] and lock it by taking its key out.
- Remove immediately the plastic side cover (M) [Fig.8] by opening its lock with the standard key delivered with the Cyclone.
- Open the shredding chamber and check sense of rotation of the blades.



**DO NOT ENTER THE SHREDDING CHAMBER WITH YOUR HANDS OR ANY PART OF THE BODY. DO NOT TOUCH THE BLADES !**

From outside the shredding chamber it is now possible to check the rotation of the blades of the Cyclone (which should still be rotating due to the starting momentum).

If rotation of the blades is clock-wise the electrical connection to the main power supply must be changed by switching the position of the three phase wires R-S-T.

The Turbine/Cyclone system cannot operate if rotation is clock-wise and no material can be shredded.

Make sure that ROTATION OF THE BLADES IS COUNTER-CLOCK-WISE and make sure that THE MAIN POWER SUPPLY SWITCH OF THE BUILDING ALLOWS THE SUPPLY OF THE MAXIMUM ELECTRICAL POWER TO THE TWO MOTORS OF THE CYCLONE (POWER=6KW or 8HP).

## 1.2 PLASTIC WASTE BAG (Tab. D, pag. 11)

The plastic waste bag is a key component of the Cyclone. The plastic bag is directly integrated in the Turbine/ Cyclone air closed circuit with the main function to collect the shredded material.

- The plastic bag is manufactured to withstand the air pressure of the turbine.
- The Plastic bag is located in the rear side of the machine.
- Open rear doors (4) [Fig.9] to access to the plastic bag.
- The plastic bag is sealed mounted on the terminal of the Cyclone through a metal ring with a hinge (N) [Fig.9].
- The plastic bag can be removed from the machine through the integrated trolley (Q) [Fig.9].
- The weight of the plastic bag when full depends on the security level (screen) installed in the machine and on the type of material which is being shredded.
- Plastic waste bag level is monitored by an electronic control system (electronic eyes).

## 1.3 VACUUM SYSTEM FILTER BAG (Tab. B, D, F, pag. 9, 11, 13)

The Cyclone is equipped with a dedicated motor which provides the machine with a vacuum system designed to maintain clean shredding operations. The vacuum system collects the dust that may spread out from the shredding chamber when shredding of paper or carton is performed.

- The dust is collected in the bag filter located in a dedicated housing in the rear of the machine;
- [Fig.9] To access the filter bag open rear doors (4), remove plastic waste bag (R) through the integrated trolley (Q), remove blocking pins (7) [Fig.3] before moving the trolley with the plastic bag on it.
- [Fig.14,15] Open lock of the of the filter bag panel (P) with the standard Cyclone key and open filter bag panel. It is now possible to check if filter bag is full and needs to be replaced.

To replace filter bag:

- Remove filter by pulling the carton fixing flange of the filter off the vacuum tube;
- Position the new filter bag into its housing and gently insert and push the carton flange completely into the vacuum tube.
- Close filter bag panel (P) [Fig.15]. Move back plastic bag trolley in its position and fix it with its blocking pins (7) [Fig.3].
- Put plastic waste bag in place around the cyclone.
- Filter (X) [Fig. 15] should be removed every ten hours of operation. Place filter in a plastic bag. Close the bag and shake it to remove the paper dust from the filter. Put back filter in its original position.
- Close back doors of the Cyclone.