

# **IL-STAR 35 HP MISTBLOWER-ULV MACHINE USER**

Before using the machine, please read all the instructions in the user manual read topics. This user manual is the basics of your machine. It will help you understand its functions and general structure and also the proper use of your machine, all the features of the machine to reduce potential problems or intervene in potential problems and will help you extend its working life. In case of any problem please contact us.

## **1. Description and technical specifications of the product**

All functions are controlled by remote control. Residential areas, green and forest rest areas, agriculture all kinds of harmful pests that fly, walk in their areas can be used in combat. At the same time in agricultural areas with very big citrus and fruit trees can be used.

Figure 1. Product Parts

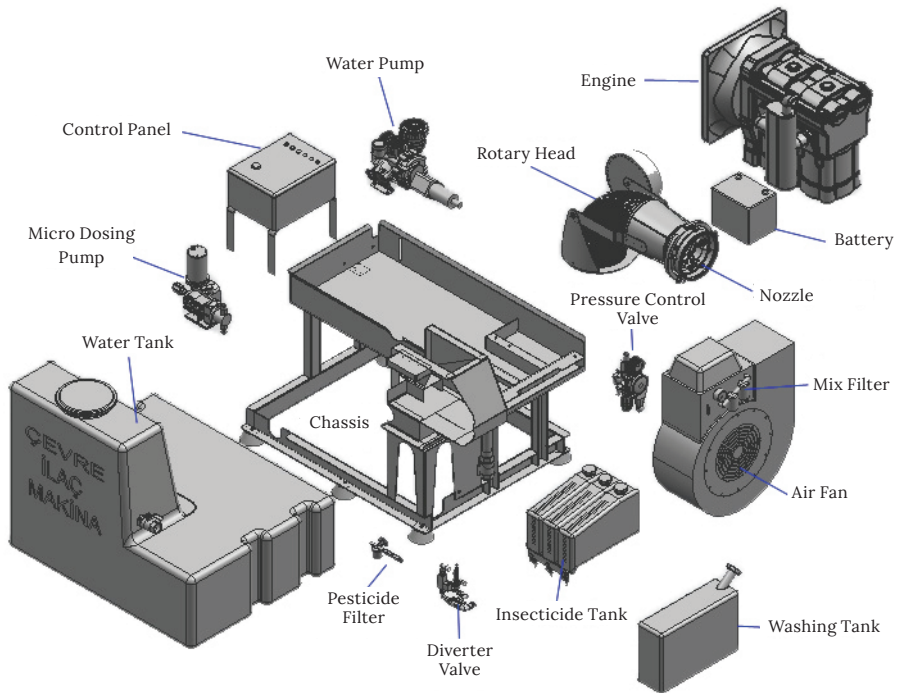
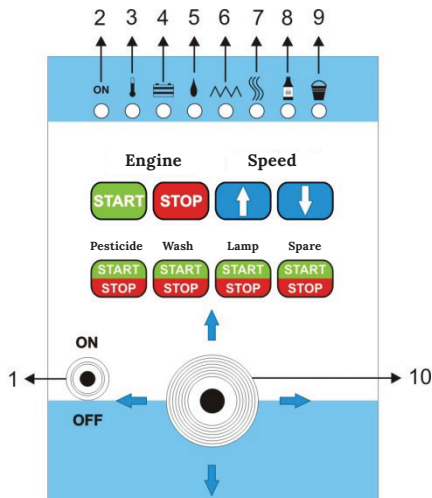


Figure 2. Remote Control



1. Ignition switch
2. Ignition lamp
3. Temperature lamp
4. Battery lamp
5. Oil lamp
6. Heating lamp
7. Beacon lamp
8. Pesticide lamp
9. Washing lamp
10. Joystick

## Technical specifications

**Type** : Can be mounted on a vehicle or trailer  
MISTBLOWER-ULV machine

**Engine** : Lombardini brand, 4-stroke, 35.2 HP,  
diesel, with electric starter and battery charger.

Cylinder Diameter: 75 mm.

Stork Volume: 1372 cm

3. Oil Capacity: 3.2 liters

Fuel : Diesel

**Pump** : Comet brand, membrane, belt-pulley with  
mechanism

Working Speed: 300-550 rpm.

Flow (maximum): 70 l/min

**Fan** : İl-Star brand, 38 blades, sheet metal

Working Speed: 1000-3600 rpm

**Nozzle System** : Normins 0.2-0.3-0.4-0.5 mm – Virgo 1.5 mm.

### Tanks:

Pesticide Tank: 3 x 7 liters (polyethylene)

Water Tank: 400-500 liters (polyethylene)

Engine Fuel Tank : 30-40 liters (polyethylene)

Washing Tank: 30 liters (polyethylene)

**Droplet Sizes** : 0-50 microns with 0.2-0.3 mm nozzles  
50-100 micron with 0.4-0.5 mm nozzles  
100-200 microns with 1.5 mm nozzle

### Dimensions

Weight : 530 kg.

Length : 210 cm.

Width : 146 cm.

Height: 185 cm.

## **2. Care to be taken in maintenance, repair and use considerations**

### **2.1. Engine and Fuel:**

Diesel fuel must be used in this machine. Tank with engine running do not add fuel. Do not smoke with fuel in hand, ignite don't come close.

Do not start the engine inside without the exhaust coming out. This exhaust smoke contains carbon monoxide. This gas is colorless, odorless but harmful to human health.

Suggestions:

1.1.1 Do not operate the machine without the exhaust manifold.

1.1.2 No hot exhaust headers, cylinders or cooling don't touch their wings

1.1.3 If the cover on the air filter has been removed, do not operate.

### **2.2. Engine Speed:**

(Rpm) Engine speed rate of air exit from nozzle system and controls the droplet particle size to be the required engine speed is 2300-2500 Rpm.

### **2.3. Damaged Engine:**

Never start a damaged engine, damaged engine use can have very dangerous consequences.

### **2.4. Wind:**

Spraying is generally impractical in windy weather. Because the formulation will go outside the targeted area.

## **2.5. Security Tools:**

Some types of formulations require additional safety tools will be heard. During the spraying, the following equipment must be in the vehicle.

5.1 Chemical type fire used for fuel fires extinguisher

5.2 First aid equipment

5.3 Eye wash solution

5.4 Safety glasses

5.5 Containers of oil drying compositions

5.6 High temperature resistant gloves

5.7 Respirator according to the formulation

## **2.6. Children:**

Many spraying operations are done in residential areas. Spraying noise and/or clouds that occur during is of interest. Do not allow anyone to play in the fog .It is the operator's responsibility to prevent him from approaching the vehicle.

## **2.7. Formulation:**

The formulation to be applied has been approved by the Ministry of Health.It has formulation label. Always formulation provide the necessary materials indicated on the label; protective clothing,such as goggles, gloves, face mask or respirator. Always keep the formulation in its original containers.



## **General Safety Precautions:**

- Before the MistBlower-ULV machine is delivered to you, all settings and controls have been made by us, using any intervention other than those mentioned in the manual not required.
- These instructions tell you how to use the sprayer safely to make it easier for you to learn how to use prepared.
- Be sure to follow these instructions before using the sprayer read. Pay special attention to the safety information.
- All documents supplied with this sprayer keep it for future review.
- Proof of purchase to make a warranty claim keep it
- The sprayer manufacturer complies with these operating instructions not responsible for damage caused by non-compliance
- When using the sprayer, injury or material to avoid the risk of damage, the following safety follow the instructions

## **General Hazards!**

- While under the influence of drugs, alcohol or drugs do not operate the machine.
- As far as possible, perform all operations during the use of the machine remote control and unless necessary it is recommended that you do not approach the machine while it is running.

### 3. Etiketler

			<b>ÇEVRE İLAÇ MAKİNA</b> ŞAN. ve TİC. LTD. ŞTİ.		
Ürün Adı	İL-STAR 35 HP MISTBLOWER-ULV MAKİNESİ - BAHÇE PULVARİZATÖRÜ				
Model Adı	35 HP				
Üretim Yılı					
Seri No					
Boyutlar / Ağırlık	1460 x 2100 x 1850 mm / 530 kg				
Motor Gücü	35,2 HP				
Püskürtme Sistemi Debi	500 - 700 ml/dak				
Püskürtme Tabancası Debi	7500 - 8000 ml/dak				
Su Tankı	400-500 litre				
İlaç Tankı	3 adet x 7 litre				
Temizleme Suyu Tankı	30 litre				
Yakıt Tankı	30-40 litre				
Ses Seviyesi	74 - 95 dB(A)				
<b>KULLANMADAN ÖNCE TALİMATINI OKUYUNUZ</b> Adres: 10026 Sokak No:8 A.O.S.B. Çiğli-İZMİR Tel: 0 (232) 328 19 55 Faks: 0(232) 328 19 72 web: <a href="http://www.cevreilacmakina.com">www.cevreilacmakina.com</a> e-mail: <a href="mailto:info@cevreilacmakina.com">info@cevreilacmakina.com</a>					

### Güvenlik Etiketleri



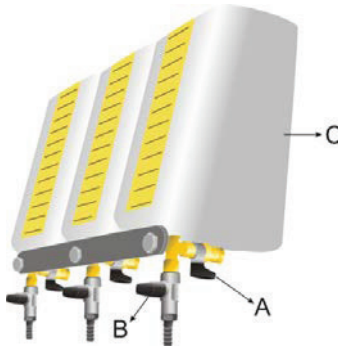
## **4. Using the product**

### **4.1. Before Operation**

- a. Check the fuel level; if the minimum amount of fuel.If it is below the line, start the engine after adding fuel.
- b. Check the engine oil level; if the minimum amount of oil.If it is below the line, start the engine after adding oil.
- c. Check the engine coolant, always at the maximum.After adding water, start the engine.
- d. In this machine, both water and medicine tanks are separately exists. Never put pesticide in the water tank. The amount of water If it is below the minimum level, add the required amount of water start spraying after you do it.
- e. There are 3 (three) separate spraying tanks in this machine. After putting the desired drugs and adjusting the mixing ratios then start spraying.
- f. After each spraying, the drug remaining in the system to clean it, the entire system must be flushed. For this purpose, the amount of water in the washing tank must be set at the minimum level .If it is below, add enough water to the washing tank.



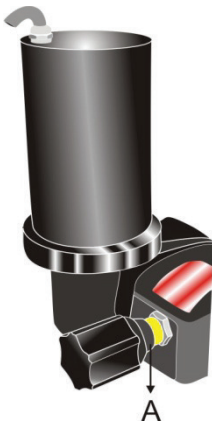
## 4.2. Micro-Dosing System Settings.



**Figure 3.**

### **Making the Desired Pesticide Selection**

Place under the drug tanks (Figure 3. C) from the ball valves (Figure 3. A) turning one on and off the other two selection of the desired drug to be used do it.



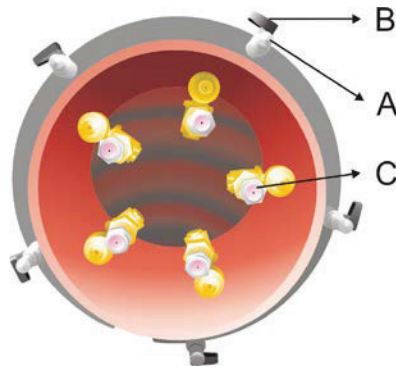
**Figure 4.**

### **Adjusting the Dosing Pump**

Located next to the dosing pump from the graduated regulating valve (Fig. 4. A) desired mix amount setting do it.

### 4.3. Nozzle Settings

This machine has two different versions for both the Mist-Blower and the ULV system. For ULV method spraying 0-50 micron diameter, Mist-Blower method with nozzles used 50-100 micron diameter with nozzles used for spraying droplet is formed. Also in the duct attachment gun droplets with a diameter of 100-200 microns with a 1.5 mm nozzle is produced. 0.2 mm for ULV system nozzles (Fig. 6. A) are used. Inside and outside the revolving head a total of 10 pieces of 0.2 mm.



**Figure 6. Swivel head**

For the Mist-Blower system, 0.5 mm. nozzles (Fig. 6. C) are used.

**NOTE:** The nozzles inside the revolving head are bidirectional. Nozzle selection should be made according to the nature of the desired spraying.

### 4.5. Operating the Device

1. Set the main condition on the machine to the “on” position bring it. All subsequent operations are by remote control will be carried out

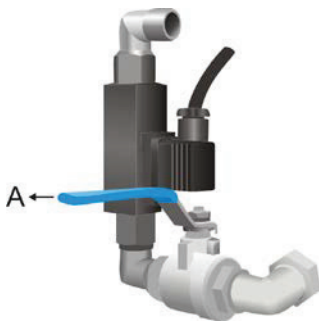
2. Turn the key on by turning the ignition switch to the “on” position run it; the ignition lamp will come on.
3. Press and release the “Engine Start” button once; battery, oil and heating lamps will turn on. Spark plugs get hot and fire properly wait until the heating lamp goes out.
4. Start the engine by pressing and holding the “Engine Start” button again battery and oil lamps will turn off.
5. Press the up arrow button in the Gas (Speed) section raise your turnover.

**Note:** Engine speed is required to perform subsequent operations should be at maximum

#### **4.6. Spraying Process**

1. Start the spraying process by pressing and releasing the medication button once; the medicine lamp will turn on.
2. Steer the rotary head with the joystick.
3. Press and hold the spray button again to start the spraying process terminate the medicine lamp will turn off.

#### **4.7. Spraying with Canal Apparatus**



1. Turn off the duct apparatus valve(diverter valve, Fig. 7.A) Turn it to the “on” position.
2. Press the medicine button once and leaving the spraying process start medicine lamp it will on.

**Figure 7. Diverter valve**

3. Press the trigger on the canal apparatus gun to release the pesticide get started

4. Press and hold the pesticide button again to start the spraying process terminate the medication lamp will go out.

#### 4.8. System Backwash Process

1. Turn the water tank valve to the “off” position.

2. Perform system backwash for 10 seconds by pressing and releasing the flush button once; wash light will come on.

3. End the process by pressing and holding the wash button again; wash light will turn off.

#### 4.9. Turning off the Device

1. Press the down arrow button in the Throttle (Speed) section minimize the rotation.

2. Stop the engine by keeping the “Engine Stop” button pressed.

3. Turn the key on by turning the ignition switch to the “off” position close.

4. Turn off the main switch on the machine.

**Note:** Start the lamp by pressing the 'lamp start' button where the lamp needs to be started. Turn the lamp off by pressing and holding the same button again.

## **5. Rules on Environmental Conditions**

Prevention of risks to the environment related to the sprayer all recommendations and regulations for.

## **6. Transport of the product**

The product should only be transported using forklifts.

## **7. Rules for assembly**

The assembly of the product is done by the manufacturer. Study no immediate assembly required.

## **8. Troubleshooting**

When the sprayer malfunctions, it is absolutely do not interfere. Please call service.

## **9. Cleaning**

Complete flushing of the system after the spraying work is finished required.

## **10. Circumstances voiding the warranty**

1. From user errors, misuse and inadequate cleaning damages caused
  2. Damages caused by use other than the specified purpose
  3. Damages caused by incorrect shipping
  4. Delivery of defective products damaged for any reason receiving
  5. Repairs, repairs and other interventions made outside the authorized service damages, malfunctions resulting from
- is out of warranty.