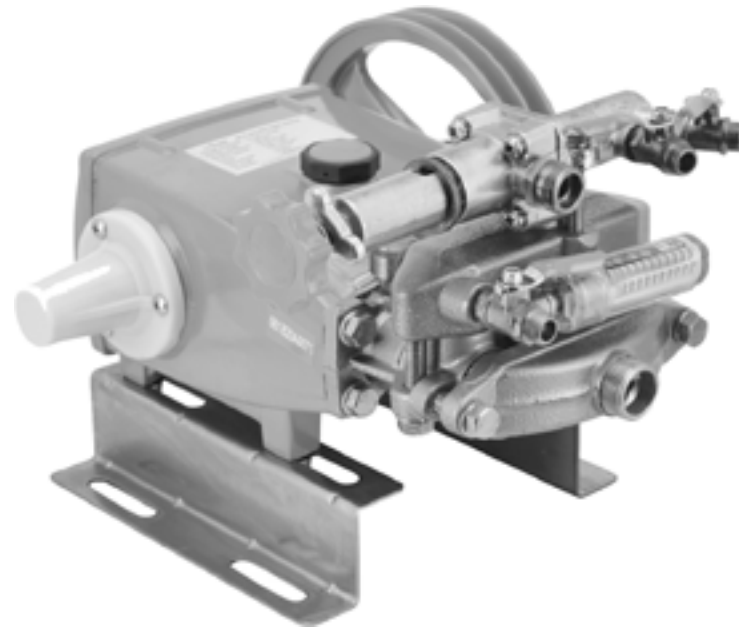


## HTP POWER SPRAYER AM22-AUTO



**DISCLAIMER :** DUE TO CONTANT UPGRADATION FEATURES & SPECIFICATIONS ARE SELECT TO CHANGE WITHOUT NOTICE . BEFORE OPERATING THIS MACHIN PLEASE READ THE INSTRUCTIONS MANUAL CAREFULLY

## ATTENTION !

1. Check every faster and make sure that the sprayer and the engine are installed firmly on the frame.
2. Set the two pulleys in a straight line and the belt in an appropriate tightness.
3. Check whether there is sufficient engine oil and use right fuel.
4. Before starting the engine, check both the on/off switches of engine and carburetor.
5. Affix the suction hose to the inlet of the sprayer. Leave the filter of suction hose 20cm far from the bottom of the water tank in order to prolong the life of the sprayer.
6. Make sure that the water supply is sufficient enough to help the pump reach its working pressure.
7. Affix spray hose and spray gun.
8. Open the exhaust cock then before starting the engine in order to release the air in the pump. Before using spray gun or spraying, assure the circulation of water in the pump functions properly.
9. To prolong the life of the pump, do operate the machine according to its specific pressure. Adjust the pressure clockwise switching the adjustable valve.
10. In order to avoid any damage of packing and the pump, shut off the engine when temporarily stop operating the unit for more than 5 minutes.
11. Renew oil in the pump after using for the first 10-15hours. Renew oil in the pump after the use of pump for every 70hours. Please make sure the oil is in usable condition before operating.
12. Drain the sludge before renew new oil.
13. Screw the nut before refilling the #30-#40 oil then refill the oil up to the level of 2/3 of the oil window.
14. Always fill the grease cup with grease. Twist the grease cup twice every 2 spraying hour.
15. After finishing spraying, loose the pressure regulator handle and operate the sprayer with fresh water to clean out the remaining chemicals.
16. Do not direct the jet of water aiming at people.
17. Operation carefully, the engine working temperature is very hot.
18. Do not touch the pulleys and belts when sprayer running at high revolution.

## TROUBLE SHOOTING

1. Installity of working pressure and water supply:
  - A. Check whether the suction hose leaks or sticks.
  - B. Open the ball cock to release the surplus air.
  - C. Remove the water inlet cover to check if the valve asst' are stuck or damaged.

## TECHNICAL SPECIFICATIONS

AM 22 AUTO HTP POWER SPRAYER	
Plunger diaxstroke	3 x 22 x 16 mm
Plunger Length	129 mm
Spraying Pressure	20-40 kg / cm <sup>2</sup>
Suction Volume	9-22 L / Min
Speed	500 -1200 rpm
Mating Power	1.5-2.5 HP
Net weight	9.2 Kg



## SPARE PART LIST OF AM-22 AUTO HTP POWER SPRAYER

PART NO	DESCRIPITON	PART NO	DESCRIPITON
AM 22 A-01	Crankcase	AM 22 A-17	Crankshaft Oil Seal
AM 22 A-02	Just-Proof Cap	AM 22 A-18	Crankshaft Oil Seal Cove
AM 22 A-03	Pulley	AM 22 A-19	Piston Assembly
AM 22 A-04	Set Bolt	AM 22 A-20	Piston Rod
AM 22 A-05	Set Bolt	AM 22 A-21	Ceramic Piston Sleeve
AM 22 A-06	Crankshaft Oil Seal Cove	AM 22 A-22	Double-End Screw
AM 22 A-07	Oil Inlet Cover Assembly	AM 22 A-23	O-Ring
AM 22 A-08	Rear Cover Packing	AM 22 A-24	Gasket
AM 22 A-09	Rear Cover	AM 22 A-25	Set Bolt
AM 22 A-10	Set Bolt	AM 22 A-26	Piston Pin
AM 22 A-11	Oil Window Assembly	AM 22 A-27	Piston[S.S]
AM 22 A-12	Drainage Screw	AM 22 A-28	Crankcase Stand
AM 22 A-13	Crankshaft Key	AM 22 A-29	Screw, Washer
AM 22 A-14	Crankshaft I	AM 22 A-30	Set Pin
AM 22 A-15	Connecting Rod Assembly	AM 22 A-31	Piston Oil Seal
AM 22 A-16	Bearing	AM 22 A-32	Waterproof Ring

## SPARE PART LIST OF AM-22 AUTO HTP POWER SPRAYER

PART NO	DESCRIPITON	PART NO	DESCRIPITON
AM 22 A-40	Cylinder Cast Iron	AM 22 A-29	Screw, Washer
AM 22 A-41	Screw, Washer	AM 22 A-30	Set Pin
AM 22 A-42	Double-End Screw	AM 22 A-31	Piston Oil Seal
AM 22 A-43	Nut, Gasket	AM 22 A-32	Waterproof Ring
AM 22 A-44	Grease Cup Brass	AM 22 A-40	Cylinder Cast Iron
AM 22 A-45	V-Packing Seat	AM 22 A-41	Screw, Washer
AM 22 A-46	V-Packing	AM 22 A-42	Double-End Screw
AM 22 A-47	Grease Ring	AM 22 A-43	Nut, Gasket
AM 22 A-21	Ceramic Piston Sleeve	AM 22 A-44	Grease Cup Brass
AM 22 A-22	Double-End Screw	AM 22 A-45	V-Packing Seat
AM 22 A-23	O-Ring	AM 22 A-46	V-Packing
AM 22 A-24	Gasket	AM 22 A-47	Grease Ring
AM 22 A-25	Set Bolt	AM 22 A-111	Unloading Valve Cylinde
AM 22 A-26	Piston Pin	AM 22 A-112	Ball Cock
AM 22 A-27	Piston[S.S]	AM 22 A-113	Screw,Washer
AM 22 A-28	Crankcase Stand	AM 22 A-114	O-Ring(F.P.M)

## SPARE PART LIST OF AM-22 AUTO HTP POWER SPRAYER

PART NO	DESCRIPITON	PART NO	DESCRIPITON
AM 22 A-115	Auxiliary Spring	AM 22 A-114	O-Ring(F.P.M)
AM 22 A-116	Piston Valve Assembly	AM 22 A-115	Auxiliary Spring
AM 22 A-117	Piston Valve Body	AM 22 A-116	Piston Valve Assembly
AM 22 A-118	Screw	AM 22 A-117	Piston Valve Body
AM 22 A-119	Valve Plug Head	AM 22 A-118	Screw
AM 22 A-120	O-Ring(F.P.M)	AM 22 A-119	Valve Plug Head
AM 22 A-121	Valve Plug Set	AM 22 A-120	O-Ring(F.P.M)
AM 22 A-122	Spring	AM 22 A-121	Valve Plug Set
AM 22 A-123	Spring Set	AM 22 A-122	Spring
AM 22 A-124	C-Type Ring	AM 22 A-123	Spring Set
AM 22 A-125	Gasket	AM 22 A-124	C-Type Ring
AM 22 A-126	Auxiliary Plate	AM 22 A-125	Gasket
AM 22 A-127	Valve Set	AM 22 A-126	Auxiliary Plate
AM 22 A-128	Pressure Valve	AM 22 A-127	Valve Set
AM 22 A-129	Damper Plate	AM 22 A-128	Pressure Valve
AM 22 A-130	Valve Rod	AM 22 A-129	Damper Plate
AM 22 A-111	Unloading Valve Cylinde	AM 22 A-130	Valve Rod
AM 22 A-112	Ball Cock	AM 22 A-130	Valve Rod
AM 22 A-113	Screw,Washer		

## INSPECTION & MAINTENANCE

For safety use, make sure the machine is cleaned every three-months. Before working, make sure to inspect the filter and the nozzle, and ensure there is no impurity. After working, make sure there is no water in the pump and the hose.

If the machine needs to be repaired in the guarantee period, please return the machine to the shop. You need to provide the certificate of purchase in order to repair or get the substitute.

Before Packing, the machine should be cleaned, then use closed packaging, packaging should be firm. Store the machine in dry place.

For transportation safety. The machine should comply with ISTA.



Meaning of crossed - out wheeled dustbin:

Do not dispose of electrical machines as unsorted municipal waste, use separate collection facilities.

If electrical machines are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old machines with new ones, the retailer is legally obligated to take back your old machine for disposals at least free of charge.




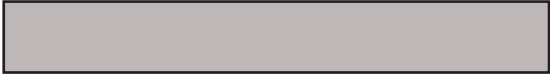

## KEY FEATURES

1. Products are totally uniformed in size in accordance with specific requirement.
2. Professional treated materials for longer durability, compact design for easy carrying.
3. Compact and sleek design To take care of cylinder, suction metal & discharge metal to prevent leaking of traditional type and increase durability.
4. Long life leakless pump. Made of high durability FCD45 casting ductile.



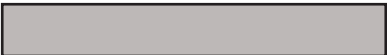




# WARRANTY CARD

## CUSTOMER COPY

DATE _____	DATE OF DELIVERY _____	DEALERS OFFICIAL SEAL	DEALERS SIGN _____
PURCHASERS NAME & ADDRESS _____ _____	 CUSTOMER SIGN		
PRODUCT NAME	PRODUCT SERIAL NO.	INVOICE/DN NO.	
			






I/Will accept the terms and conditions of warranty as in the warranty card

## DEALERS COPY

DATE _____	DATE OF DELIVERY _____	DEALERS OFFICIAL SEAL	DEALERS SIGN _____
PURCHASERS NAME & ADDRESS _____ _____	 CUSTOMER SIGN		
PRODUCT NAME	PRODUCT SERIAL NO.	INVOICE/DN NO.	
			

I/Will accept the terms and conditions of warranty as in the warranty card

## COMPANY COPY

DATE _____	DATE OF DELIVERY _____	DEALERS OFFICIAL SEAL	DEALERS SIGN _____
PURCHASERS NAME & ADDRESS _____ _____	 CUSTOMER SIGN		
PRODUCT NAME	PRODUCT SERIAL NO.	INVOICE/DN NO.	
			

I/Will accept the terms and conditions of warranty as in the warranty card

1. LIMITED WARRANTY PERIOD : For a period of six months from the date of Sale / delivery of the product which ever is earlier. 2. LIMITED WARRANTY OBLIGATION : Replacement of defective part(s) by authorized dealer are free of charges. If found defective by reasons of defective material / poor workmanship, parts will be replaced and there will be no value re-imburement. 3. TERMS & CONDITIONS : a. Claims under warranty will be accepted on submission of Warranty Card duly filled and stamped by authorized dealer together with the original purchase document. : b. Shipping / transportation / Incidental charges incurred in replacing defective parts under warranty shall be borne by the purchaser

WARRANTY null & void if

- (i) Lack of maintenance, (ii) Incorrect use of the machine or tampering, (iii) Use of non-genuine spare parts, (iv) Usage of acids, solvents, or any flammable materials, (v) Non-usage of filter water / clear water / soft water & using water above 40°C temperature, (vi) While using the pressure washers to draw water which is contaminated with dust & solvents (eg. paint thinners, gasoline, oil, etc.), (vii) Repair done by unauthorized service people, (viii) Those parts subject to wear & tear due to normal operations and plastic parts, rubber items etc, (ix) Loose connections, faulty electrical fixtures & fluctuations in power supply.
- 4. Should any failure occur during or after the warranty period, customer does not have the right to interrupt payment / price discount.
- 5. Incidental or consequential damages like inconvenience commercial loss, loss of tie, mental agony etc.
- 6. Loss of any nature due to operation or non-operation is not covered under warranty.
- 7. All free service are at Dealer's service point only.
- 8. Warranty ceases if service is not done periodically.
- 9. The attached card should be completed and returned to Ratnagiri Impex Pvt. Ltd. for registration immediately after sale / delivery.
- 10. The warranty is void unless you register the warranty card with Ratnagiri Impex Pvt. Ltd.
- 11. The decision of Ratnagiri Impex Pvt. Ltd., in settling the warranty is final in all respects.
- 12. All disputes are subject to Bangalore Courts Jurisdiction

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**FREE SERVICE COUPON (30DAYS/30HRS. WHICHEVER IS EARLIER)**

MODEL

SERIAL NUMBER

PDI DATE

SERVICE NO.

PURCHASE BILL NO.

DATE

DEALERS OFFICE SEAL

- 1. Check and test the fuel mixture
- 3. Check , clean and adjust the spark plug
- 5. Check and sparken the cutting tools
- 7. Start and check the noise, vibration, loosen etc..

OPERATIONS

- 2. check and clean the air filter
- 4. Check and adjust the carburetor tuning
- 6. Product familirisation on usage
- 8. Routine maintenance and shortage.

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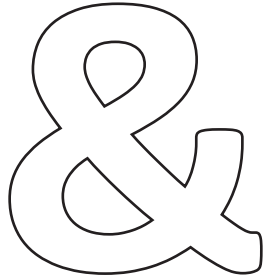
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# DOS

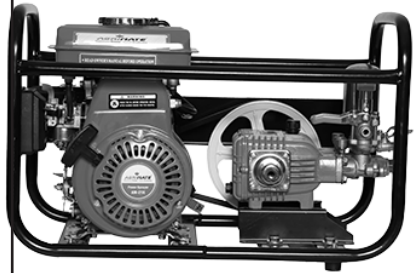
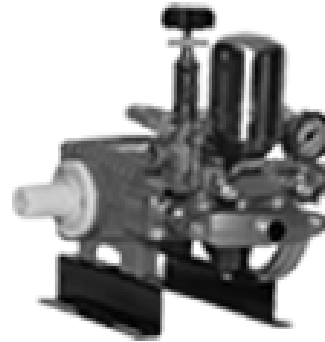


# DONTs

1. Always read the instruction manual supplied along with the equipments and understand the correct installation and operating procedures before attempting to use the equipments.
2. It is important to use the personal protection equipments such as head helmet with visor, ear defenders, goggles, safety gloves, cut resistant shoes, trousers and jackets while operating potentially dangerous machines
3. Avoid untrained persons using the equipments. Children must not be allowed to handle these equipments
4. Always use genuine spares and accessories in repairs and usage to derive maximum life of the equipments.
5. Always keep the equipments in good working condition to minimize loss of output as well as to reduce the pollution and save the environment
6. Do not use the machine within range of persons unless they wear protective clothing
7. Do not operate the machine when fatigued or under the influence of alcohol or drugs
8. When the machine is running, please maintain a constant water supply. Without water circulation will damage the sealing rings of the machine.
9. For more query kindly contact for our Service Center/Dealer/ franchise

# Agrimate Army For Pest Control

ANY WHERE - ANY TIME - ANY CROP



Marketed by:  
**ratnagiri  
impex**  
BRINGING YOU THE FUTURE... NOW

**RATNAGIRI IMPEX PVT., LTD.,**

Annapurna House, #1 / 1G, 7th Cross, New  
Guddadahalli

Mysore Road, Bangalore - 560 026

Missed Call : 7393 938 938

Email: [ask@agrimart.in](mailto:ask@agrimart.in)