

ITEM NO:EE-290DMC
USER MANUAL



**FOLLOW THE INSTRUCTIONS
CAREFULLY TO GRANT THE
MACHINE A CORRECT
FUNCTION AND LONG
SERVICE LIFE.**

**KEEP THE MANUAL NEAR THE
MACHINE ALL TIME AND MAKE
SURE ALL USERS HAVE READ
THIS.**

EAE Automotive Equipment Company Limited

The manufacturer keeps the rights to improve the
contents in this manual.

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INTRODUCTION

Thank you for purchasing Fabit waste oil Evacuation Unit.

The waste oil collecting and draining machine manufactured by our company is using Compressed air as Power source, it's suitable to use in the Workplace of anti-explosion.

- Our product is with excellent sealing property, with reliable functions of collecting and draining oil.
- The extending rod has two joints for adjust, much easier for operating.
- Measuring cup is with strong material and anti-corrosion.
- The special design of eccentric oil pan makes the scope of collecting machine larger than before.
- **Attention:** Please according to the type of your car / Machinery / Equipment, to choose the right Diameter of Probe tube when you use the machine to drain oil directly from the tank.



READ THIS INFORMATION CAREFULLY BEFORE USE

Please retain this instruction manual for future reference.

Your safety is important to us. Please read and follow all instructions listed below. Some of these instructions alert you to the potential for personal injury.

“Ca Cautions” throughout the manual advise of potential practices or procedures which may cause damage to your equipment.

Make sure all operators have access to adequate instructions about safe operating and maintenance procedures.

Do not exceed the maximum oil temperature of 120°C.

ASSEMBLY PROCEDURE

1. Insert the handle into the fixed roll, tighten the screws.
2. Connect the wheels to the axles, tighten the screws, and insert steering wheels into the installing holes, fixed the wheels one by one.
3. Put the extending rod to the central hole, tighten the screw, put the oil collecting pan into the Rotary joint, tighten the screw.
4. Install the finished assembling measuring cup into the central hole, tighten the screw.
5. Fix the “vacuum generator” into the central hole of measuring cup top,

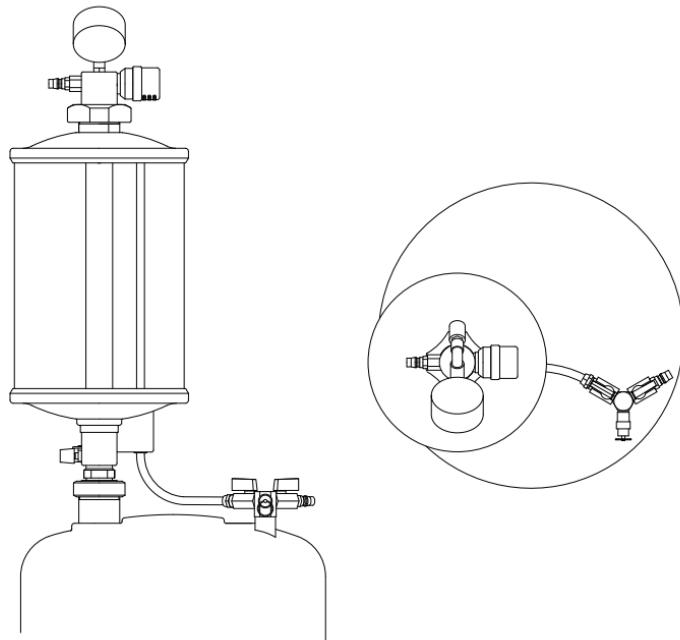
tighten the screw.

6. Insert the probe tube (with the cover) into the loop on the side of oil tank, fix the tool box into the right position of the tank's mounting seat.

7. Installation for the auto-balance measuring cup:

8. 1) Install the finished measuring cup assembling into the central hole, tighten the screw.

9. 2) Insert the two air pipes into the hole, tighten the screw.



WARNING

10. Before attempting any repairs or maintenance of this product, disconnect the air supply to release the air pressure.

11. Do not extract caustic or flammable products.

12. Do not modify any component of this equipment.

OPERATION OF SUCTIONING OIL

Operational principle:

With the air compression principle, using the special designed vacuum generator, vacuumize both the measuring cup and oil tank at the same time, it will create the vacuum pressure difference to draining the waste oil into the clean measuring cup and oil tank.

1) Vacuumize oil tank & measuring cup.

Before evacuating the cup, please close all ball valves. Quickly connect the nozzle of the clean compressed air to the air inlet, and use a vacuum generator to vacuum the measuring cup and oil tank.

When evacuating, please carefully observe the indicator of the vacuum gauge. When the indicator reaches the red area, please cut off the air supply to complete the vacuum. If the vacuuming equipment is near the workstation, you can vacuum and drain oil at the same time.

2) Draining oil:

a) Move the equipment to the place near the car or machinery, check the actual oil suction entrance's dimension and structure, and choose the suitable probe tube to drain oil .

b) Put the probe tube into the waste oil tank, then open the ball valve near the handle, the oil will be sucked to the clean measuring cup. When oil suction finished, please turn off the ball valve immediately.

OPERATION OF DRAINING OIL

Turn on the ball valve Under the measuring cup ,the oil will flow down from the cup into the oil tank automatically.

Release the waste oil from the oil collecting machine to the big collecting tank equipment.

1) Release oil automatically:

Turn on all the ball valves except the ball valve of the elbow pipe, let the air get into the tank. Put the elbow oil release pipe to the waste oil collecting tank equipment, then turn on the ball valve of the oil tank bottom, with the air pressure ,the waste oil will be extracted into the collecting device.

(Attention: The exit of the elbow pipe should be lower than the liquid lever of the oil tank.)

2) Release oil with air pressure:

Turn off the ball valve under the measuring cup and turn off the ball valve under the extending rod. Put the elbow oil release pipe to the waste oil collecting tank equipment, turn on the ball valve of the oil release pipe, collect 1Bar compressed air into the tank, let the compressed air get into the tank, the waste oil will be extracted to the collecting device under the condition of air pressure.

When the air pressure of the tank is over 1bar, the safety valve will open automatically, cut off the air supply at this moment please.

Please hold the hook of oil release pipe tightly or fix it during oil releasing.

PERIODICALLY CHECK

1. Check before working :

Before working, please turn off all the ball valves, and vacuumize the oil tank and measuring cup. Then carefully check the indicator's change of the vacuum meter, to see whether any part of the machine is with air leak or not. If any leakage, please contact the sales agent, to avoid any property damage or personal injure accident.

Attention: During vacuumizing, check the indicator's change of the vacuum flow meter carefully. Cut off the compressed air supply when the indicator reaches the red mark area, finish the operation of vacuumizing.

2. Periodically check

- 1)Check for air leakage
- 2) Check for oil leakage
- 3) Please check if there is something wrong with the soft pipe, metal joints and any other little parts, i.e. damage, out of shape, wearing or blot etc.

Attention: About this part, suggest to establish the complete check system with professional workers. Please consult the sales agent for details.

3. Check after finishing work

When finishing working, please clean the surface of the machine, (e.g. Water, blot, oil etc.)

Anything unusual ,please contact the sales agent immediately.

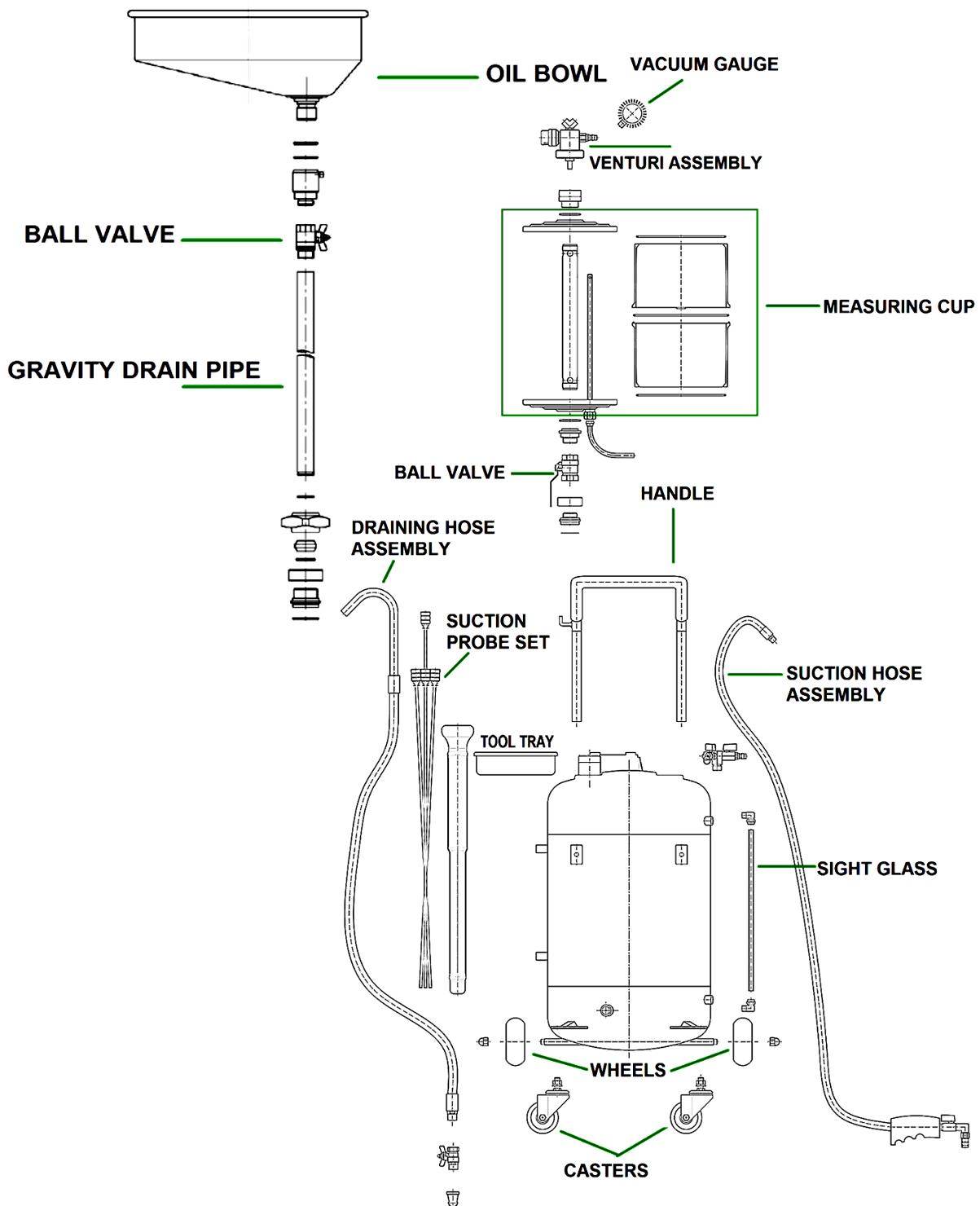
4. Attentions of other issues

1) Attentions about the periodically check:

- a) Please do it according to the operation manual's instructions carefully for checking before work & periodically inspection .
- b) It is not allowed to use this machine as other purpose which has no relation to collecting waste oil.

2) Attentions about using:

- a) Do not make this machine close to fire or corrosive liquid.
- b) Do not exceed the normal pressure rang during operations.



TROUBLE SHOOTING

TROUBLE	CAUSE	REMEDY
The degree of vacuum can not reach	Insufficient air pressure	Adjust the air pressure to reach the specified pressure
	Cup broken	Contact the seller to replace
	Vacuum gauge damage	Contact the seller to replace
	The <u>ball valves</u> are not turn off except the valve of cup inlet	Turn off all the <u>ball valves</u> except the one of cup inlet
	Vacuum generator damage	Contact the seller to replace
Slow draining	Insufficient vacuum	Do not use before vacuum achieve the specified value
	The O-ring of draining needle tube damaged	Contact the seller to replace
	Air leak	Contact with the vendor, to determine the location of the leak under the guidance.

SPECIFICATION

Tank Capacity	70L
Air pressure for vacuum	6-8bar/87-116psi
Max draining pressure	0.5bar/7psi
Suction speed	1.8-3.0L/min
Suction tube length	1.6m
Draining hose length	1.6m
Max temperature of waste oil	80°C