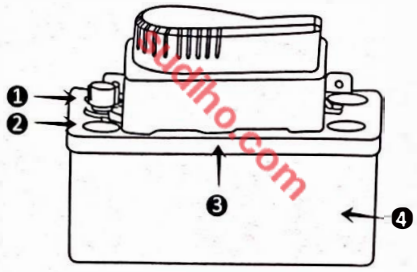
No More Bucket! HITECH Condensate Removal Pumps are here for you!

Name of Each Area



1. Check Valve Cap
2. Drain insert Hole
3. Groove for Separating Water Tank
4. Water Tank

Special Features of HITECH

- Fully Automatic Operation
- Double Layer Water Tank for Preventing Dewdrops
- Optional Safety Switch and Water L.E.D.Alarm
- Low Noise Motor & Stainless Steel Shaft
- Built-in Check Valve to Prevent Back-flow of Liquid into the Unit
- High Impack/Flame Retardant ABS Construction
- Design for Easy installation

Water L.S.D Alam & Safety Switch

·Water L.E.D Alarm

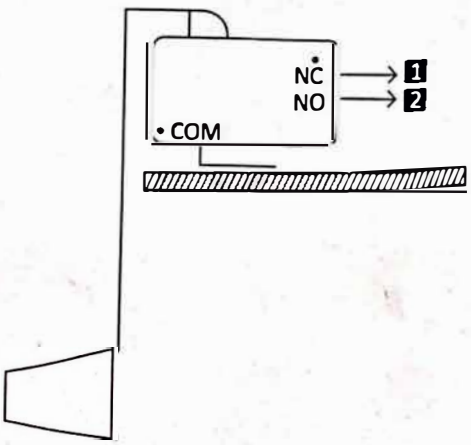
A New and Epochal Solution for Safe Operation of Condensate Removal Pumps

We developed a very excellent solution to use the condensate removal pumps safely without the safety switch.

All of our pump models (except MD200) have the holder fot water L.E.D. Alarm. if you choose our Water L.E.D. Alarm as the safety system, you don't need to purchase the safety switch and the external buzzer. Just connect the alarm to the pumpand feel relieved!

·Safety Switch

The purpose of the safety switch is to prevent an overflow while the pump is not working due to reasons such as a shut-off of power supply. You can connect the safety switch **1** to an external buzzer or **2** to the operation circuit of the appliance.



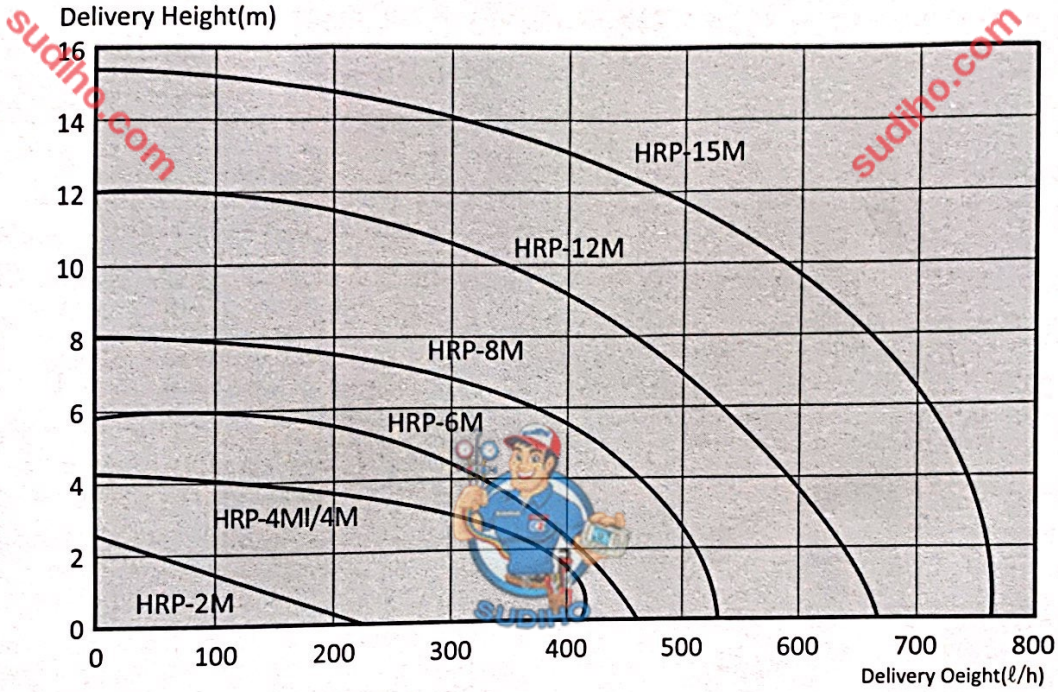
1 N.C:When the condensate in the water tank rises above normal level, the contact will close-up and the external buzzer makes alert sounds.
The external buzzer must be prepared by users.

2 N.O:When the condensate in the water tank rises above normal level, the contact will open-up and the appliance will be shut down automatically.

HITECH

HITECH Condenaste removal pumps are designed to automatically remove the drainge liquid prodduced by air-conditioning appliances. Our pumps can be also used for any type of water removal form refrigeration equipments, dehumidifiers, water dispensers. vending machines. ice makers, etc. where gravity drainage is impossibe. Through adopting our pumps. you wil lbe able to save your invaluable time and to be rid of any worry about indoor overflow.

Flow Rate Chart



Technical Specifcations

Model No	Size (H x W x L) (mm)	VOLST	AMP	WATT	1M	2M	4M	6M	8M	12M	CHECK VALVE	SAFETY SWITCH	HIEIGHT
HRP-2M	96X65X166	220	0.3	35	120	258							2M
HRP-4M-1	95X87X185	220	0.5	65	270	250	170				○	△	4M
HRP-4M	185X135X256	220	0.5	65	270	250	170				○	△	4M
HRP-6M	185X135X256	220	0.8	100	390	335	270	180			○	△	6M
HRP-8M	185X135X256	220	1.2	150		460	405	270	180		○	△	8M
HRP-12M	243X165X320	220	0.5	180			260	580	500	120	○	△	12M
HRP-15M	243X165X320	220	1.0	260				700	650	470	○	△	15M

- **TANK CAPACITY** : HRP-2M 0.1LITER
  HRP-4M-1 11LITER
  HRP-4M, 6M, 8M 21LITER
  HRP-12M, 15M 3,41LITER

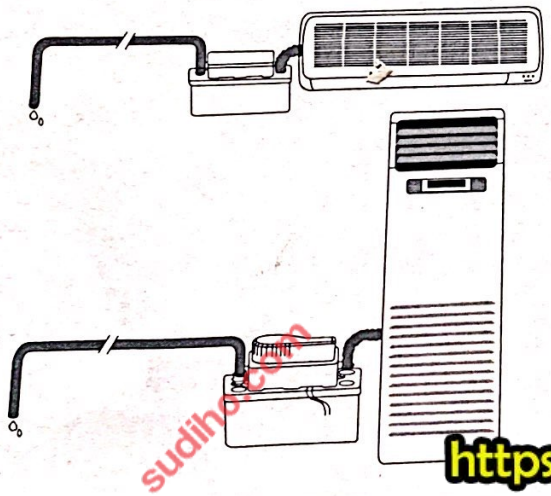
- **LEGEND : HRP-HITECH, REMOVAL, PUMP**
  ○ : INSTALLED
  △ : OPTION

User Guide

Before installation, operation, and maintenance, please read carefully this user guide. A failure to comply with the instructions could result in body injuries and / or property damages.

INSTALLATION

1. Carefully unpack the unit and check for damage. Make sure that all of the required parts are included. The units are thoroughly tested before packing to insure safe delivery and operation, if there is any sign of damage due to shipment, return it to the place of purchase for repair or replacement
2. Select a mounting location near the appliance. The pump must be mounted horizontally. The inlet must be below the lowest drain.
3. Unfasten the check valve cap and insert a 3/8" diameter discharge hose in the cap. Connect the discharge hose to the check valve and fasten the check valve cap.
4. Extend the discharge hose up to the required height, but not higher than the maximum delivery height of the pump. The discharge hose must not be bent or clogged.
5. Remove the cardboard piece from the motor cover's slot by pulling it out.
6. Check if the power source voltage matches with the pump's requirement. Connect the pump's power cable to the power source. Dzo not connect or link the appliance's power cable directly to the pump's power cable. Use the power plugs respectively. If the pump's power cable should be extended, use a cable of same specification.
7. When all the above tasks are done, please perform a trial operation. Pour water into the pump's reservoir and check if the pump works properly.



MAINTENANCE

1. Before any maintenance or repair of the pump, please disconnect the power cord from the power supply to avoid an electrical shock.
2. Clean the check valve and verify its operation.
3. Unfasten the check valve cap and disconnect the discharge hose from the check valve.
4. Use a wrench to remove the check valve from the unit.
5. Inspect the check valve visually. if it is damaged, replace it
6. To re-install the check valve, fasten it manually and tighten a half turm further with a wrench. Be careful not to over-tighten as this may distort the o-ring seal under the check valve.
7. Clean the inside of water thank reglarly.
8. In case of a long-term break, remove water from the hose and the water tank.

TROUBLESHOOTING

➔ **The unit dose not run.**
- Check the power supply.
- Check the appliance to se if the condensation is actually being produced.
- Make sure the pump flaot mechanism moves freely and clicks the activation switch properly when moving up and down.

➔ **The unit makes loud noises when running.**
- Make sure the inside of water tank is clean.
- Inspect the check valve following the guide on maintenance.

➔ **The unit runs but does not pump the liquid out.**
- Make sure the floats are not stuck in the up position.
- Check the height of the discharge hose does not exceed the maximum deliver height of the pump.
- Check the inside of discharge hose is clean.
- Inspect the check valve following the guide on maintenance.

➔ **Liguid drains back into the pump from discharge hose.**
- The check valve may have debris in it.
  Clean the check valve following the guide on maintenance.
- If the discharge hose is plumbed so the highest point is less than 1m above the pump, the check vale may allow liquid to drain out of the hose. This is nomal and will not damage the pump.

➔ **Liquid leaks from around the check valve.**
- Make sure the check valve cap holds the discharge hose properly.
- Make sure the check valve is fastened properly.
- If the o-ring under the check valve is damaged, replace with a new one.

WARRANTY

1year.
This warranty covers all parts with material or manufacturing faults. The buyer's only remedy is the replacement or repair of the defective parts. in no case can labor costs and any consequential damage be cited as a basis for a complaint. Any returned units must be complete and must be accompanied by a written list of the defects ascertained. We are unable to accept any liability in case of nonconforming installation or noncompliance with the specification or maintenance recommend ations.

CAUTIONS

- Don't use our pumps in the combustible or flammable material such as gasoline, alcohol, etc.
- Don't use our pumps near or in areas where explosives are present.
- Don't use in the hot water over 60℃
- Don't treat our pumps with wet hands while standing in water or wet area.
- Connect the pump only to the electric voltages specified on the nameplate of the pump.
- Pease do not twist the drain hose and the discharge hose.
- Before any maintenance or repair of the pump, please disconnect the power cord from the power supply to avoid an electrical shock.
- Please avoid children's approach to our pumps.
- Use the pump with the safety switch or the water L.E.D. alarm to prevent a property loss.
- Please keep in mind that our pumps are not submersible pumps.

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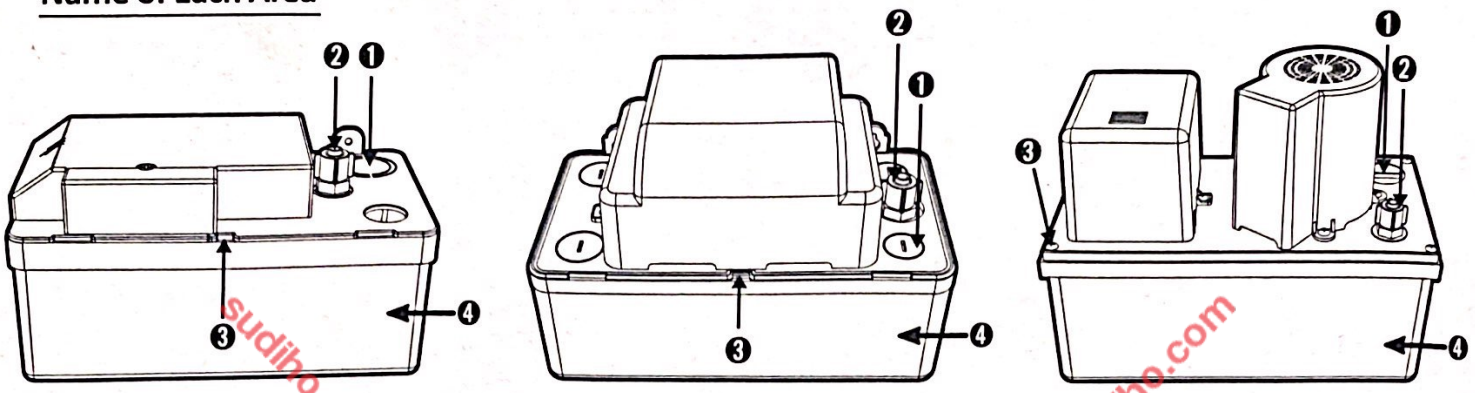

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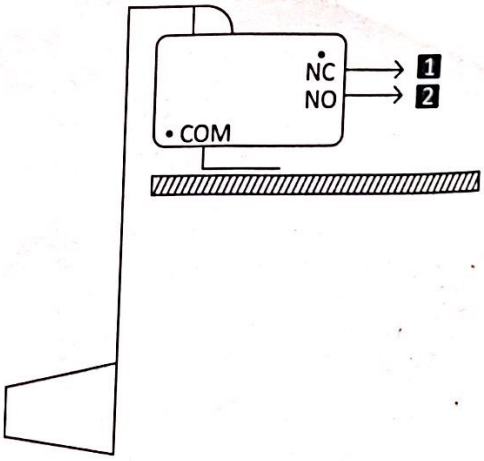

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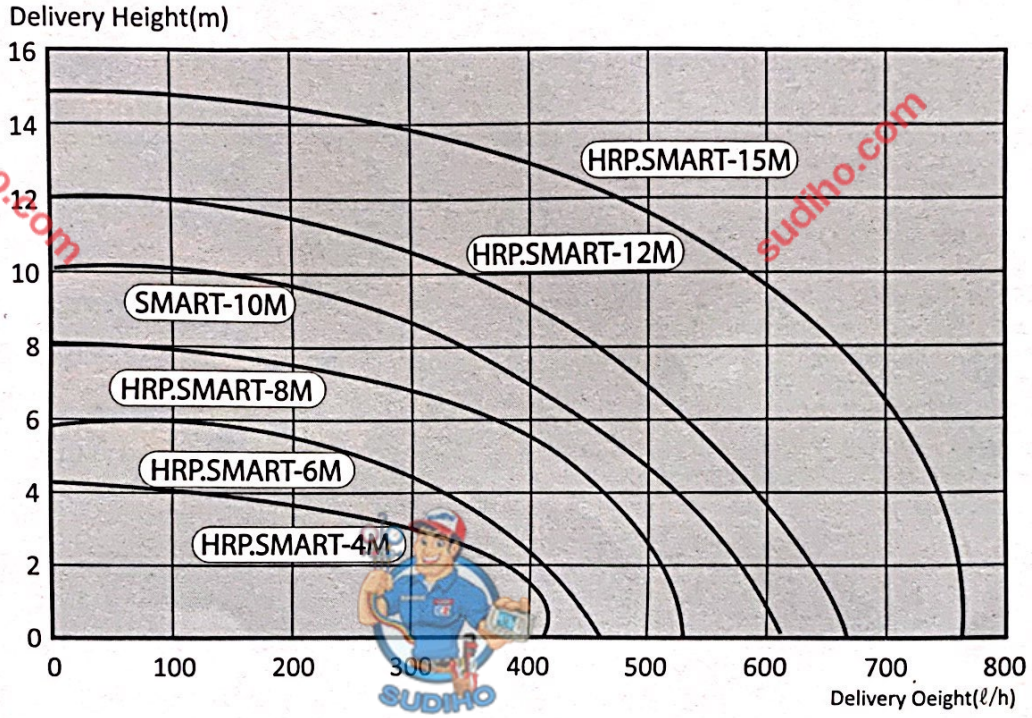

Technical Specifications

MODEL NO	DIMENSION (L × W × H) mm	VOLT	AMP	WATT	1M	2M	4M	6M	8M	10M	12M	15M	CHECK VALVE	SAFETY SWITCH	HEIGHT
SMART-4M	255×135×125	115/220	1.0/0.5	40/65	270	250	170						○	△	14ft
HRP-4M	255×135×165														
SMART-6M	255×135×125	115/220	1.6/0.8	80/100	390	335	270	180					○	△	20ft
HRP-6M	255×135×165														
SMART-8M	255×135×125	115/220	2.4/1.2	100/150		460	405	270	180				○	△	26ft
HRP-8M	255×135×165														
SMART-10M	320×165×168	115/220	0.8/0.4	150/170			450	400	300	100			○	△	33ft
SMART-12M	320×165×168	115/220	1.0/0.5	100/180				600	500	270	120		○	△	40ft
HRP-12M	320×165×243														
SMART-15M	320×165×168	115/220	2.0/1.0	110/260					650	530	470	250	○	△	50ft
HRP-15M	320×165×243														

- **TANK CAPACITY : SMART & HRP- 4, 6, 8M---------- 2.0 LITER**
  SMART & HRP- 10, 12, 15M---------- 3.4 LITER

○ : Basic built-in
△ : Option built-in

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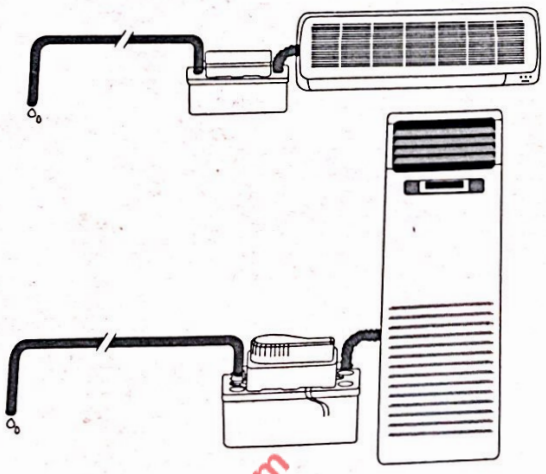

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