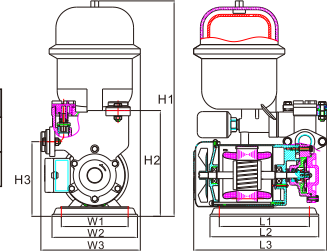


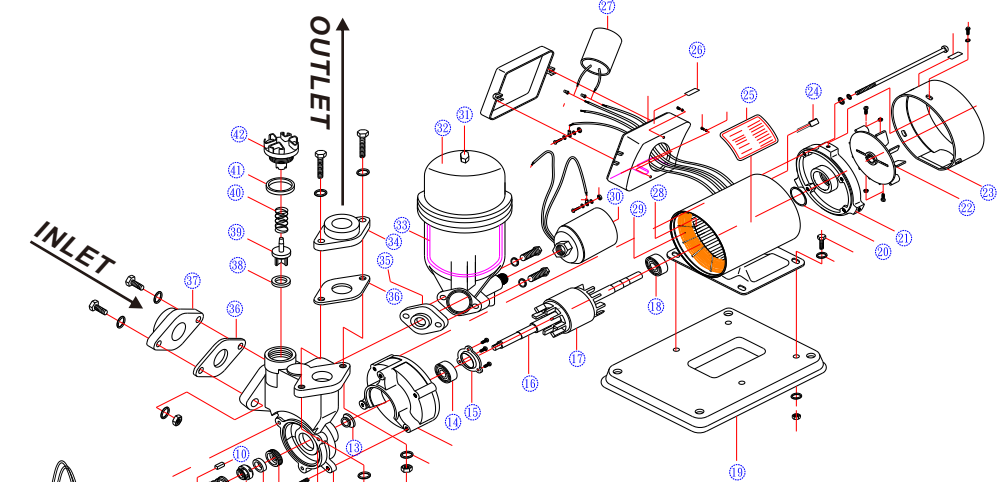
DIMENSIONS

unit:(mm)

Model	H1	H2	H3	W1	W2	W3	L1	L2	L3
V260APH	425	205	145	130	165	175	175	210	260
V460APH	430	205	145	130	165	175	175	210	265



EXPLODED DRAWING



NO.	Part Name	Material
0A	Protector Cover	PP
0B	Thermal overload protector	
1	Front Cover	
2	O-Ring	
3	Screws	SUS304
4	Washer	SUS304
5	Impeller	Bronze
6	Spring	SUS304
7	Bellows	NBR
8	Seat	SIC
9	Cup	NBR
10	Key	SUS304
11	Bronze liling	BC6
12	Pump Body	PPS
13	Ring	Rubber
14	Bearing(6201)	
15	Bearing Board	SS41
16	Shaft	SUS420
17	Rotor	Silicon Steel
18	Bearing(6201)	
19	Bottom Base	ABS
20	Gasket	NBR

NO.	Part Name	Material
21	Back Cover	Aluminum Alloy
22	Fan	ABS
23	Fan Cover	ABS
24	Motor Protector	
25	Label (Specification)	
26	Control Box	Nynon66
27	Capacitor	
28	Stator	Silicon Steel
29	Stator Circuit	Copper
30	Pressure Switch	
31	Nozzle	SUS304
32	Pressure Tank(3L)	PP
33	Diaphragm	CIIR
34	Outlet Flange	SUS304
35	Gasket	NBR
36	Gasket	NBR
37	Inlet Flange	SUS304
38	Gasket	NBR
39	Check Valve	Bronze
40	Spring	SUS304
41	Gasket	NBR
42	Covering	PP



ED:2102



V-APH AUTO BOOSTER PUMP
INSTRUCTION MANUAL



NO
RUSTY WATER



V-APH QR CODE



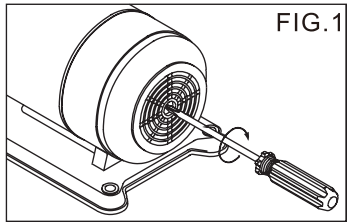
Optional-With water-proof Cover

ASIA AUTOMATIC PUMP CO.,LTD
<http://www.evergushpump.com.tw/en>

ISO9001 CERTIFIED

MADE IN TAIWAN

OPERATION



1. Make sure of using the right voltage.
2. Remove the priming cap and pour water into the pump and suction piping, then secure the plug.
3. Insert a screw driver cross into the shaft slot, and turns the shaft 2-3 rounds to check if the pump runs normally, then open one faucet on the delivery side, then turn the power switch ON. (FIG. 1)
4. After the power switch on, the motor should turn immediately. After a few seconds, the water should be delivered.
5. If the water does not be delivered immediately, turn the power OFF. Repeat step 2 and set power ON/OFF continuously to make the suction piping be filled with water.
6. Once the water is pumped out, close the faucets on the delivery side to check the automatic stopping and pumping operation

IMPORTANT NOTES

1. Use the right voltage and wiring by the connecting diagram. Motor must be grounded in compliance with applicable electrical code to avoid accident.
2. Please use a sturdy foundation and bolt the pump to it securely.
3. Be sure to arrange earthing or circuit breaker against electric leakage.
4. The pump should be supplied through a residual current device(RCD) having a rated residual operating current not exceeding 15mA.
5. The pump should be installed as close as to the reservoir or well avoid the low efficiency due to the long suction pipe.

6. The location must be dry with good ventilation and adequate space.
7. Do not run without water actually pumping. Do not operate hot water (more than 40°C), or the other liquid except normal water.
8. Be careful not to allow the foreign matter (chips, dirt, sand, glue, etc) into the pump, or they will damage and shorten the life of pump.
9. Piping joints should be fitted carefully to prevent leakage.
 - A. Leakage in the suction piping will cause the pump does not function well.
 - B. Leakage in the discharge piping will cause a high frequency ON/OFF motor operation while all the faucet and valves are closed.
10. Keep the faucets opened fully to get more efficient operation. Never keep continuous operation under the condition of half open.
11. If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.

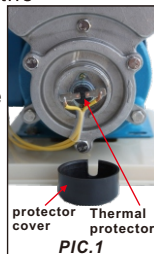
TROUBLESHOOTING

(Turn the power switch OFF before fixing.)

1. MOTOR FAILS TO START OR RESTART AFTER A SHORT-TERM RUNNING

The overheating protector is mounted directly on the motor windings. It will stop the motor automatically when the motor temperature is up to abnormal, and restart the motor after the temperature back to normal in 20 Minutes.

- A. Check the electrical power source, fuse, and circuit breaker.
- B. Check if pump is locked by rust or foreign objects.
- C. Check if the ventilation of the location is bad for causing the overheating of motor.
- D. Check if thermal overload protector is disconnected or breakdown. If it's failure, it must be replaced by service agent.



Warning: Don't open the cover or touch thermal protector at random unless turn off power by technicians. (PIC. 1)

2. PUMP CYCLES FREQUENTLY WHILE ALL THE FAUCETS AND VALVES ARE CLOSED:

- a. Check and fix the leakage in discharge piping, faucets, and valves.
- b. Clean pump check valve which may be locked by foreign objects.

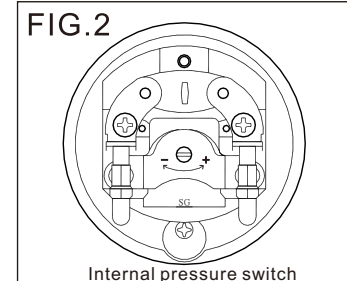
3. PRESSURE SWITCH FAILS TO FUNCTION

The pump's pressure switch has been set accurately. Please do not try to adjust except by qualified personnel.

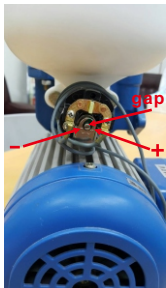
- a. If the motor does not start after any of the faucets or valves are opened, adjust the pressure setting screw to the "+" direction (counterclockwise) until the motor starts. (FIG. 2)
- b. If the motor fails to stop after all the faucets and valves are closed, adjust the pressure setting screw to the "-" direction (clockwise) until the motor stops. (FIG. 2)
- c. Repeat step (a) and (b) until the pump works normally.

APPLICATIONS

1. Directly and automatically supply water to the building without roof water tower.
2. Automatically increase pressure as soon as the insufficient water pressure occurs in the top floor.
3. To be used on supplying water for washing machine and heater if water pressure is too low.
4. To drain accumulated water for civil and architecture engineering, to be applicable to the skyscraper villa, pond and farm.
5. To be used on circulating water for garden and on supplying water for auto car-washer.



When power is on, Never touch the gap or internal pressure switch with your hands. If pressure switch fails to function, open cover and use flat screwdriver to rotate the gap slightly until the pump works normally.



SPECIFICATIONS

V460APH

Equipped with thermal overload protector
Engineering Plastic Pump casing
Aluminum motor shell
Model Number
Auto Booster Pump Model

MODEL	Bearing	Mech. seal	Capacitor
V260APH	6201ZZx2	11mm	8UF/450V
V460APH	6201ZZx2	11mm	12UF/450V

Model	Cycle	Power		PH	Voltage	Inlet	Outlet	Pressure setting		Max. H	Max. Q	N. Weight
	Hz	HP	W	Ø	V	Inch	Inch	On (MPa)	Off (MPa)	M	L/min	
V260APH	50	1/4	180	1	220~240	3/4"	3/4"	0.10	0.20	23	32	1~2
V460APH	50	1/2	370	1	220~240	1"	1"	0.14	0.24	31	42	2~3

