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Plus Internal Pump (Electric Air Pump) AP619D; AP619DP

Tested under

UL1450 Fourth Edition, May 5, 2010, Revisions through September 4, 2019: Standard for Motor-Operated Air Compressors, Vacuum Pumps, and
CSA C22.2 No. 68-18 August 2018, Update No. 1 — May 2019: Motor-operated appliances (household and commercial)

File: E115058

MET Report: 107340

Approved: January 7, 2022

Applicant:

Intex Development Company limited
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Prepared By:

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For:

MET Laboratories, Inc.
914 West Patapsco Avenue
Baltimore, Maryland 21230-3432
(410) 949-1802

- ☒ NRTL Listing
- ☐ MET Listing
- ☐ MET Recognition
- ☐ MET Classification
- ☒ MET-C Listing
- ☐ MET Listing for Canada
- ☐ MET-C Recognition
- ☐ MET-C Classification

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Change Record

Change Number	Description	Approval Date	Project Number	Amendment Engineer	Engineer Initials
1	**The model AP619DP is added based on AP619D, only the motor is changed for AP619DP.** · added Figure/item 14/24 and photograph on Figure 13-16. · added label in Marking for AP619DP. · added manual in Manual/Service Instructions for AP619DP. · Add test clauses in Test Consideration for AP619DP. **The label of AP619D and tag of power cord are changed, the address and other information on the label are moved to tag of power cord.** · Changed the label and tag in Marking for AP619D.	January 7, 2022	112686	Su Chaofan, Zhou Wei	SCF/ZW
2	**Change the fixed construction of the power switch** · changed photograph on Figure 3-8 and Figure 13. · The instruction manuals are updated, in Manual/Service Instructions for AP619 and AP619DP.	January 7, 2022	116174	Su Chaofan, Zhou Wei	SCF/ZW

Description

Product(s) Covered:

- Plus Internal Pump (Electric Air Pump)
- Model series AP619D; AP619DP

Product Description:

- The product is cord-connected, household use, indoor use, portable type electric air pump, which is use for inflating airbed.
- The appliance is provided with a system of double insulation, and no grounding means is used. The main electric parts consist of switch, motor, PTC protector. The appliance is intended for the intermittent operation, the duty cycle is 5min On/15min Off.

Model Differences:

- The additional model AP619DP is based on AP619D, only the motor is changed for AP619DP, the material and protector used in motor keep unchange, the new motor is from the same manufacturer.

Electrical Rating:

- Model AP619D: 110-120V~, 60Hz, 0.65A
- Model AP619DP: 110-120V~, 60Hz, 0.85A

Engineering Considerations (Not For Field Representative's Use):

- The appliance has been investigated in accordance with UL1450 Fourth Edition, May 5, 2010, Revisions through September 4, 2019: Standard for Motor-Operated Air Compressors, Vacuum Pumps, and CSA C22.2 No. 68-18 August 2018, Update No. 1 — May 2019: Motor-operated appliances (household and commercial)
- Resistance to Impact Test (UL 746C Cl.22&Cl.56.1), Insulation test (UL 1097/Cl.18) were considered.
- The product must be used in accordance with the instructions for use.

Description (Continued)

Note to Field Representative:

- A sample of each component listed below and a purchase order for the work described below at the current hourly rate shall be submitted to:*

MET Laboratories, Inc.
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Baltimore, Maryland 21230-3432

for reassessment processed under job# 107582 for verification of construction against the associated drawings also listed below. The component(s) shall be subjected to an annual audit by MET for continued compliance. The annual re-verification is a client incurred expense to be assessed at the current hourly rate at the time of the test. The estimated time for re-verification is also listed below.

Figure/ Item #	Component	Controlled Document Number	Re-Verification Type	Re-verification Maximum Estimated time (hours)
10/16	Motor with Rectifier PCB	619D 4210050000015 电机规格书 R2 (Motor Specification)	Spacing, Dielectric Strength, - See Specification 2,3,5-7, Figure 9-12 and UL 1004-1 Clause 18, Clause 37 for requirements	0.5
14/24	Motor with Rectifier PCB	619DP 马达规格书 (Motor Specification)	Spacing, Dielectric Strength, - See Specification 2,3,5,6, Figure 13-16 and UL 1004-1 Clause 18, Clause 37 for requirements	0.5

*Alternatively: If the evaluation is performed by the MET representative's lab other than the location above or by the MET representative during the Follow-up inspection, all data shall be returned to the Baltimore office listed above for surveillance tracking under the assigned job number mentioned above.

General Requirements

Scope of Requirements: The requirements contained within this section apply to all products contained within this Follow-Up Service Report File where applicable.

Definitions: *(as defined or used in the context of the standard)*

Term	Definitions
SELV:	Safety Extra Low Voltage
PCB:	Printed Circuit Board
Listed/Recognized Component:	A component evaluated to the applicable U.S. standards by a Nationally Recognized Testing Laboratory (NRTL).
Certified Component:	A component evaluated to the applicable Canadian standards by a Certification Organization (CO).
Listee:	Applicant

Measurements: All dimensions indicated in the body of this report are approximations unless otherwise indicated.

Corrosion Protection: All corrosive metals shall be provided with a means to protect from corrosion. Acceptable methods include painting, plating and galvanizing. Dissimilar metals shall not be employed where reliable continuity is required.

Soldered Connections: All soldered connections shall be made mechanically secure before soldering. Tack soldering is not acceptable. Acceptable forms of mechanical securement include:

A) Lead is inserted through an eyelet or opening of a terminal block prior to soldering.
B) Lead is inserted into a U or V shaped slot in the terminal prior to soldering.
C) Lead is wrapped around a terminal post prior to soldering.
D) Lead is tied to adjacent lead with wire tie-wrap near termination point.

Electrical Connections: All electrical connections other than soldering shall be provided with positive detent, crimp type insulated Recognized Component connectors suitable for the voltage and temperatures involved. They shall be sized for the wire and mounting terminations. Where hazardous voltage or energy is involved, all wire connections to connectors shall employ a recognized method of double securement. Where fork-type lugs are used, they shall be snap-on or up-turned lug type.

Mechanical Assembly: All parts shall be secured by welding, bolts/nuts with lock or star washers, or thread forming screws.

Creepage and Clearances: Shall be in accordance with the evaluated product standards.

General Requirements (Continued)

Where present, the following items are required.

External Plastics: Shall be a Recognized/Certified Component, Plastic, rated minimum HB.

PCB: Shall be a Recognized Component, rated minimum V-1.

Tubing and Sleeving: Shall be a Listed/Recognized/Certified Component, insulation tube shall be rated for the voltage and temperature involved, unless otherwise noted.

Wire Connectors: (Various crimp-type) Shall be Listed/Recognized/Certified Components sized for the wire and mounting terminations. Both the wire insulation and the conductor shall be crimped.

Fuseholder: Operator accessible fuseholders, when provided, are connected to the ungrounded conductor(s) of the primary circuit.

Internal Wiring: All internal wiring and connections are properly jacketed or enclosed within the equipment. Wiring is routed and secured to reduce the possibility of stress being transmitted to electrical connections, as necessary. All internal conductors in the secondary circuits are routed away from primary circuit conductors and from uninsulated live parts. There is no internal wiring subject to contact by the user when the product is employed as intended. The internal wiring is acceptable for conditions of service to which it will be subjected. Internal conductors consist of Recognized Component AWM insulated individual conductors; sized in accordance with the National Electric code and Canadian Electrical code, as may be applicable for the current expected in the conductor, rated 300V, 80°C, 22AWG or above for leading wire connected to air pump motor.

Interconnecting Cords and Cables: Flexible telecommunication cord and cable assemblies employed for interconnection between components are to be rated for and comply with temperatures, exposure to oil or grease and other conditions of service within the environment the product is to be utilized.

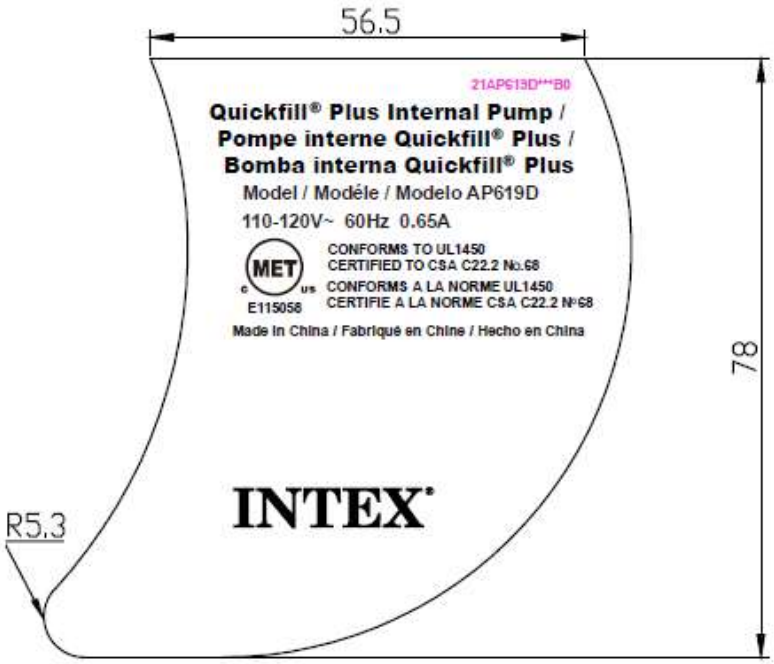
Markings

Etching, molding, die-stamping, silk-screening, stamped-, or etched-metal labels secured by rivets or screws are considered permanent. Recognized/Certified Component, Marking and Labeling Systems, and/or labels tested and deemed suitable for the surface to which it is applied is also considered permanent. Per the Canadian Electrical Code described in CSA C22.0 General Requirements, Canadian product certification requires warning/cautionary markings in both English and French languages. It is the Applicant's responsibility to provide the listed Bilingual Markings shown below in accordance with the Canadian regulatory requirements. Each product is to be permanently marked with the following information:

a. The MET Mark (refer to MET Applicant Contract), with the applicant/listee name or alternate listee name as identified within this report, trade name or trade mark, product model number, and a date of manufacture or serial number. If the date of manufacture is in a code, it shall not repeat in less than 20 years and it shall not require reference to the manufacturer's records to determine when the product was manufactured.

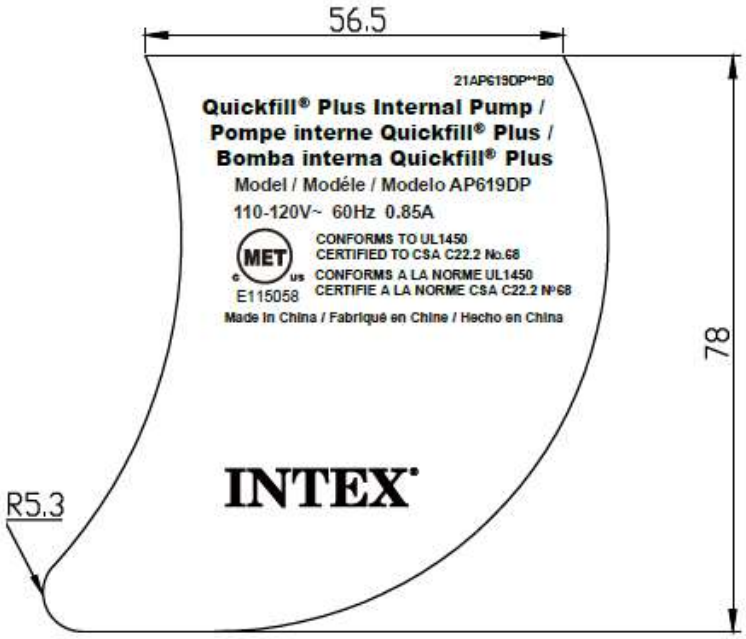
b. Method of applying the MET Mark:

☒ Direct Imprinting
☐ Purchasing Labels from MET Laboratories, Inc.
Approved MET Mark:

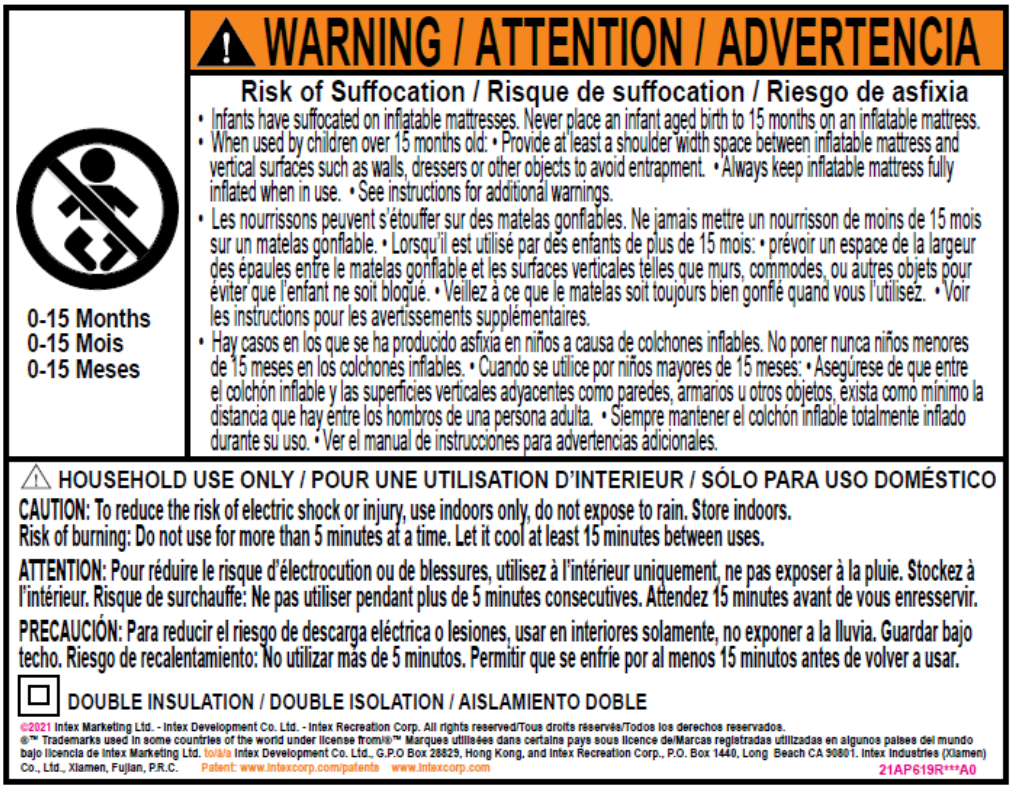


Note: Label on the enclosure of air pump AP619D

Markings (Continued)



Note: Label on the enclosure of air pump AP619DP



Note: Tag on the power cord of air pump

Markings (Continued)

c. The product shall be marked with a double insulation symbol – a square within a square – the words "Double Insulation".

d. The product shall be marked "Household Use Only" or the equivalent. The lettering shall not be less than 3/32 in (2.4 mm) high.

e. A tag used for a cautionary marking shall:
a) Be permanently affixed to an attached power-supply cord,
b) Be located not more than 6 in (152.4 mm) from the attachment plug
c) Be made of substantial material such as cloth, plastic, or the equivalent that provides the necessary mechanical strength and prevents easy removal, and
d) The tag shall be of a size that facilitates legibility of the required markings, and all exposed surfaces shall have a clear plastic overlay, or the equivalent, to protect the markings. The tag shall be either of the following forms:
A flag-type tag with a adhesive back. The tag is to be wrapped tightly once around and is to adhere to the supply cord or hose. The ends of the tag are to adhere to each other and project as a flag. The required markings are to be positioned on the projecting flag portion of the tag.

f. A marking intended to inform the user of a risk of injury to persons shall be prefixed by a signal word "CAUTION," "WARNING," or "DANGER." Upper case letters shall not be less than 0.080 in (2.0 mm) high. The signal word shall be more prominent than any other required marking on the product.

g. A switch that controls the motor that drives the part shall have a plainly marked off position

h. A product intended for indoor use only shall be marked with the word "CAUTION" and the following or equivalent: "To Reduce the Risk of Electric Shock or Injury, Use Indoors Only." in letter height not less than 3/32 in (2.4 mm).

i. A product intended for use with a duty cycle shall be marked with the duty cycle.

Manual/Service Instructions

- Operations and Service instructions are provided with the equipment.

INTEX® OWNER'S MANUAL

17PO

Quickfill® Plus Internal Pump

Model AP619D 110V – 120V~ 60Hz 0.65A

Model AP619DP 110V – 120V~ 60Hz 0.85A

IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS BEFORE USING THIS PRODUCT

⚠ DANGER

- To reduce the risk of electric shock: Always unplug this furnishing from the electrical outlet before cleaning.

⚠ WARNING

To reduce the risk of burns, fire, electric shock, or injury to persons:

- Infants have suffocated on inflatable mattresses. Never place infant aged birth to 15 months to sleep on this inflatable air mattress / air bed. Infants can suffocate on an underinflated or deflated mattress, on bedding, by co-sleeping with another person, and by entrapment between the mattress and bed frame or between the mattress and a vertical surface.
- Children can be entrapped between the inflatable mattress and an adjacent vertical surface. Provide at least a shoulder width space between the inflatable mattress / airbed and adjacent vertical surfaces such as walls, dressers or other objects.
- Always keep the inflatable mattress fully inflated when in use.
- Never introduce any flammable substance into the inflatable airbed, SUCH AS AEROSOL TIRE REPAIR PRODUCTS, as it may ignite or explode.
- For indoor household use only.
- Unplug from outlet before putting on or taking off parts.
- Close supervision is necessary when this furnishing is used by, or near children, invalids, or disable persons.
- Use this furnishing only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.
- Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
- This is not a toy. Children must not be left unattended when using the airbed.
- If a storage bag is included, keep the storage bag away from babies and children. The storage bag is not a toy. When not in use, fold the bag and put it away out of the reach of children.
- Do not walk, stand on or jump on or use the airbed as a trampoline.
- Do not use on or near water. This is not a raft.
- Do not set up bed near stairs, doors, sharp edges or breakable objects. Provide adequate space between bed and objects to avoid entrapment.
- Make sure the area is flat, smooth, free of sharp objects that could puncture the bed and keep away from ledges.
- Keep pets away from the airbed. Pets may puncture the surface of the bed.
- Avoid sleeping on the edge of the airbed. Edges produce less support than the middle of the bed.
- Do not operate air pump for more than 5 minutes at a time. Let pump cool at least 15 minutes between use.
- Unplug electrical power cord when not in use. To disconnect, turn all controls to the off position, then remove plug from outlet.
- Never operate the furnishing with the air openings blocked. Keep the air openings free of lint, hair, and the like. Never drop or insert object into any opening.
- Never operate this furnishing if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Return the furnishing to a service center for examination and / or repair.
- If the AC supply cord is damaged, it must be replaced by the manufacturer or its service agent in order to avoid a hazard.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over. Keep the cord away from heated surfaces.

FOLLOW THESE RULES AND ALL INSTRUCTIONS TO AVOID SUFFOCATION, PROPERTY DAMAGE, ELECTRIC SHOCK, BURNS OR OTHER INJURY.

⚠ CAUTION

- To reduce the risk of electric shock or injury, use indoors only, do not expose to rain. Store indoors.

READ AND SAVE THESE INSTRUCTIONS

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AP619D, AP619DP English Manual

Manual/Service Instructions (Continued)

- Operations and Service instructions are provided with the equipment.

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SERVICING OF A DOUBLE-INSULATED PRODUCT:

In a double-insulated product, two systems of insulation are provided instead of grounding. No grounding means is provided on a double-insulated product, nor should a means for grounding be added to the product. Servicing of a double-insulated product requires extreme care and knowledge of the system, and should be done only by qualified service personnel. Replacement parts for a double-insulated product must be identical to those parts in the product. A double-insulated product is marked with the words "DOUBLE INSULATION" or "DOUBLE INSULATED" and with the symbol ⧈.

OPERATING INSTRUCTIONS

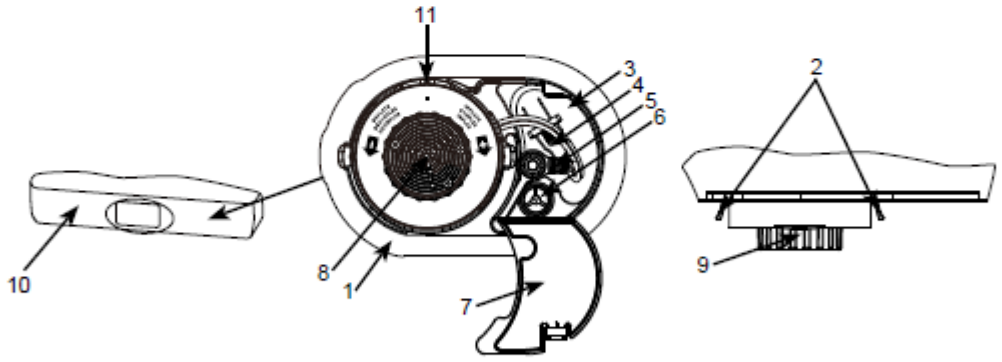
General

- This appliance has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.
- Airbeds are designed for temporary use and are NOT designed to be a replacement for a traditional mattress.
- Make sure the area is flat, level, clean and free from sharp objects, and within reach of an electrical outlet.
- To prevent puncture or damage to the airbed, never drag the airbed across the floor. Lift the inflated airbed when moving or changing location.

Maintenance instructions:

- No air pump maintenance is required. Pump is removable.
- For cleaning use only clean cloth with mild soapy solution. Do not use any chemicals.
- In case of repairs, use only common PVC repair glue and patches. For flocked surfaces: rub away the flocking material with an eraser first before applying the glue and/or patch.

PARTS REFERENCE



Part Descriptions:

1. Pump holder frame
2. Pump removal tab
3. Cord compartment
4. AC power cord
5. Manual inflation port cap
6. Manual inflation port
7. Cord compartment cover
8. Air passage
9. Control dial
10. Airbed front
11. Close / Pump Off Position

NOTE: Drawings for illustration purpose only. May not reflect actual product. Not to scale. Due to a policy of continuous product improvement, Intex reserves the right to change specifications and appearance, which may result in updates to the instruction manual, without notice.

READ AND SAVE THESE INSTRUCTIONS

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Manual/Service Instructions (Continued)

- Operations and Service instructions are provided with the equipment.

17PO

INFLATION

1. Open cord compartment cover and remove power cord. Do not yank on the cord. See Fig **(1)**.
2. Plug in the AC power cord into an AC electrical outlet. See Fig **(2)**.

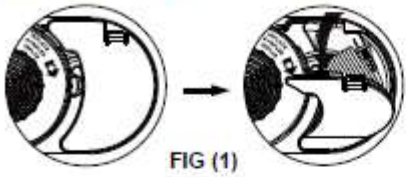

FIG (1)

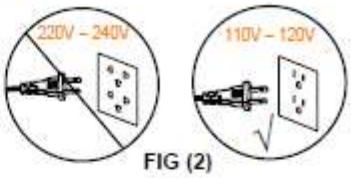

FIG (2)

3. Turn the control dial fully clockwise until it stops. The pump turns on automatically to inflate the airbed. See Fig **(3)**.

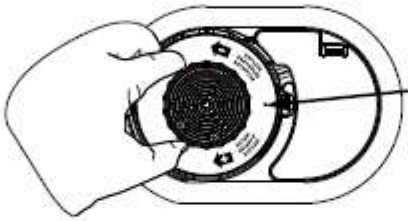

FIG (3)

4. When the airbed is fully inflated, turn the control dial back (counterclockwise) to the center position which closes the valve and turns the pump off. See Fig **(4)**.

NOTE: Turning the control dial either direction while the pump is unplugged will let air escape from the airbed. See step #5 for firmness adjustment instructions.

Never disconnect the power cord from the electrical outlet while the pump is running. Rotate control dial to the closed / pump off position before disconnecting the power cord.

Rotate to Closed / Pump Off Position

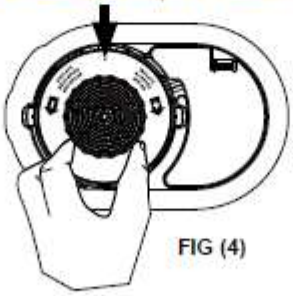

FIG (4)

5. If the airbed feels too firm, release some air by simply turning the control dial gradually counterclockwise until air begins to escape from the air passage. When the desired firmness is achieved, turn the control dial back to the center closed / pump off position. If the airbed feels too soft, repeat steps #3 to #5 as necessary.

READ AND SAVE THESE INSTRUCTIONS

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Manual/Service Instructions (Continued)

- Operations and Service instructions are provided with the equipment.

17PO

IMPORTANT NOTE

Proper inflation of the airbed.
The ambient temperatures of air have an effect on the airbed internal pressure. At low ambient temperature the air will contract within the airbed and the airbed will feel softer: add air as necessary. At high ambient temperature the air within the airbed will expand significantly and the airbed will become hard and may burst: release air to avoid damage to the airbed or to soften the feel. Do not expose the airbed to extreme temperatures (hot or cold).
Stretching is a natural characteristic of new vinyl. During initial use, the airbed may become soft and require additional inflation to maintain desired firmness. This is normal for the first few days of use.
Dimensions shown are approximate and will vary due to the vinyl temperature and the air temperature.
In no event shall Intex, their authorized agents or employees be liable for damages (such as pin holes) to the airbed caused by negligence, ordinary wear and tear, abuse and carelessness, or external forces.

DEFLATION

1. Plug in the AC power cord into an AC electrical outlet. See Fig **(2)**.
2. Turn the control dial fully counterclockwise until it stops. The pump is now deflating the airbed. See Fig **(5)**.

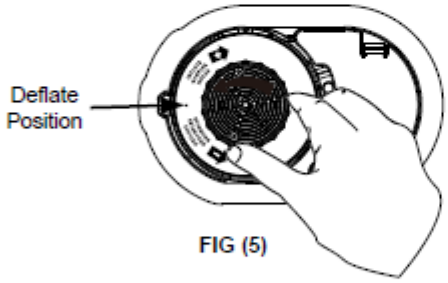

FIG (5)

FIG (6)

3. When all the air is removed from the airbed, turn the control dial back (clockwise) to the center position which closes the valve and turns the pump off.
4. Disconnect the AC power cord from the electrical outlet, coil the power cord and place it inside the cord compartment, then close the cover. Make sure the power cord is free of twists, kinks or knots.
5. With the airbed fully deflated begin rolling the airbed from the end opposite of the pump towards the end where the pump is located. See Fig **(6)**.

MANUAL INFLATION OPTION

If electrical power is not available, a conventional foot, manual, or battery-operated air pump can be used by connecting it to the manual inflation port located inside the power cord compartment. See Fig **(7)**. Follow these steps:

READ AND SAVE THESE INSTRUCTIONS

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Manual/Service Instructions (Continued)

- Operations and Service instructions are provided with the equipment.

17PO

1. Open cord compartment cover and locate the manual inflation port.
2. Make sure the control dial of the internal electric pump is still in the closed / pump off position.
3. Remove the cap from the manual inflation port and insert the nozzle of the pump into the port. Inflate the airbed to desired firmness.

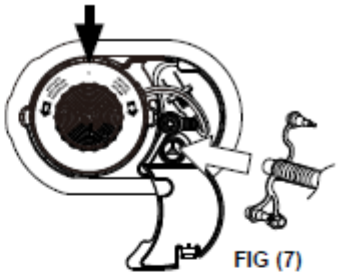

FIG (7)

NOTE: Do not overinflate. The firmness should be approximately the same as the level achieved with the internal electric pump.

4. Remove nozzle from manual inflation port and close the cap and the cord compartment cover.

STORAGE INSTRUCTIONS

1. Deflate the airbed following the "DEFLATION" instructions.
2. Make sure the airbed is clean and dry.
3. Lay the airbed flat with the sleeping surface facing upwards and follow the folding steps on Figs (8 - 12). Fold the airbed loosely and avoid sharp bends, corners and creases which can damage the airbed.

FIG (8) FIG (9) FIG (10) FIG (11) FIG (12)

REPLACING INTERNAL AIR PUMP OR THE AIRBED COMPONENT

If there is a need to replace either the internal air pump or the airbed portion, detach the internal pump from the airbed as follows:

1. While holding both lock tabs pressed inward (see Figure 13), turn the round body of the pump (the large outer rim, not the control dial) counterclockwise and pull the air pump body out of the holder frame.

FIG (13)

2. Depending on which part is being replaced, keep the remaining component (either the airbed portion or the removed pump) in a safe place until the replacement part is received. Reattach the components when the new part is received: simply place the pump into the holder frame and turn clockwise untill the lock tabs click into place.

NOTE: Make sure the rubber seal on the pump housing as well as the inside wall of the holder frame are clean and free from any lint, hair or dirt, to ensure a proper seal and avoid air leaks.

NOTE: Do not remove internal air pump from the holder frame other than for servicing, as this may introduce lint, hair or dirt into the seal area and cause air leaks. If air leak is experienced, check that the seal is clean before replacing the pump or the airbed.

READ AND SAVE THESE INSTRUCTIONS

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Manual/Service Instructions (Continued)

- Operations and Service instructions are provided with the equipment.

TROUBLESHOOTING GUIDE **17PO**

PROBLEM	CAUSE	SOLUTION
Air leakage between internal air pump and the pump holder frame	• Pump not securely attached. • Pump O-ring is dirty. • Internal airbed beam threads are caught between the internal air pump and the pump holder frame. • Pump O-ring is twisted and/or damaged.	• While holding the pump outer rim, push in and turn the pump fully clockwise until the two side tabs lock into place. • Remove the pump from the airbed, remove the O-ring from the pump and clean it with water. Carefully replace the O-ring back to the pump as to prevent dust, lint from sticking onto the O-ring again. Also make sure the pump holder frame inner wall is free from dust, hair or lint. • Remove the internal air pump and carefully replace the pump back making sure the internal airbed beam threads are away from the pump holder frame. • Remove the pump from the airbed, make sure the O-ring is not damaged and/or twisted. Realign the O-ring or replace a new O-ring. Contact Intex service center for replacement.
Air pump does not work	• Not connected to an electrical outlet socket. • Pump motor thermo-protector activated. • Internal air pump defective.	• Make sure the pump is plugged into the correct power outlet, then turn the control dial fully clockwise to the inflation position. • Turn off and disconnect the power cord from the power outlet, let the pump rest for more than 30 minutes before resume the use of the pump. • Remove the internal air pump from the airbed and keep the airbed in a safe place. Contact Intex service center for an internal air pump replacement.
Pump motor is running but airbed is not inflating or deflating	• The inflation or deflation mode is not set yet.	• Turn the control dial fully clockwise until it stops to inflate the airbed. Or turn the control dial fully counterclockwise until it stops to deflate the airbed.
After inflation air is escaping through the pump air passage or through the manual inflation port	• The pump air passage is not completely closed. • The manual inflation port cap is not securely closed.	• Make sure the air passage is closed by turning the control dial to the center closed / pump off position. • Push the cap firmly into the manual inflation port.

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READ AND SAVE THESE INSTRUCTIONS

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Manual/Service Instructions (Continued)

- Operations and Service instructions are provided with the equipment

INTEX® MANUEL D'UTILISATION

17PO

Pompe interne Quickfill® Plus

Modèle AP619D 110V – 120V~ 60Hz 0.65A

Modèle AP619DP 110V – 120V~ 60Hz 0.85A

REGLES DE SECURITES

LISEZ ET SUIVEZ ATTENTIVEMENT TOUTES LES INSTRUCTION AVANT UNILISATION

⚠ DANGER

- Pour réduire les risques d'électrocution : Toujours débrancher l'appareil avant de le nettoyer.

⚠ ATTENTION

Pour réduire les risques de brûlures, d'incendie, d'électrocution, ou de blessure :

- Les nourrissons peuvent s'étouffer sur des matelas gonflables. Ne jamais mettre un nourrisson de moins de 15 mois sur un matelas gonflable. Les jeunes enfants peuvent s'étouffer sur un matelas mal gonflé ou dégonflé, sur la literie, en dormant avec quelqu'un d'autre ou en restant piégé entre le matelas et le sommier ou entre le matelas et une surface verticale.
- Children can be entrapped between the inflatable mattress and an adjacent vertical surface. prévoir un espace de la largeur des épaules entre le matelasgonflable et les surfaces verticales telles que murs, commodes, ou autres objets pour éviter que l'enfant ne soit bloqué.
- Veillez à ce que le matelas soit toujours bien gonflé quand vous l'utilisez.
- Ne jamais introduire de substance inflammable dans le matelas gonflable, TEL QUE AEROSOLS ANTI CREVAISON POUR LES PNEUS, qui peuvent s'enflammer ou exploser.
- Utilisation interieur uniquement.
- Débranchez l'appareil avant de mettre ou retirer des pièces.
- Une surveillance étroite est nécessaire lorsque ce mobilier est utilisé par, ou à proximité d'enfants, de personnes invalides ou handicapés.
- Utilisez ce mobilier uniquement pour son usage prévu, comme décrit dans ces instructions. Ne pas utiliser d'accessoires qui ne soient pas recommandés par le fabricant.
- Ne pas faire fonctionner à proximité de bombes aérosols (vaporisateurs) ou d'oxygène.
- Ceci n'est pas un jouet. Les enfants ne doivent pas être laissés sans surveillance lorsque vous utilisez le matelas gonflable.
- Maintenez le sac de rangement (s'il est inclus) à l'écart des bébés et des enfants. Le sac de rangement n'est pas un jouet. Lorsque vous n'utilisez pas le sac, pliez-le et angez-le hors de portee des enfants.
- Ne pas marcher, se tenir debout, sauter sur le matelas, ni l'utiliser comme trampoline.
- A ne pas utiliser dans ou à côté de l'eau. Ce matelas n'est pas une embarcation.
- N'installez pas le matelas a cote d'escaliers, de portes ou de terrains accidentes. Prévoir un espace suffisant entre le lit et les objets pour éviter d'être pris au piège.
- Installez votre airbed sur une surface plane, lisse, de niveau et degagee de tout objet pointu qui pourrait percer le matelas.
- Ne laissez pas les animaux pres du matelas. Leurs griffes pourraient percer le matelas.
- Evitez de dormir tout au bord du matelas afin d'eviter tout risque de retournement.
- Ne pas faire fonctionner plus de 5 minutes d'affilee, Attendez 15 minutes avant de vous enresservir.
- Debranchez l'appareil lorsque il n'est pas utilise. Pour débrancher, mettre toutes les commandes sur la position arrêt, puis retirer la prise de courant.
- Ne jamais faire fonctionner avec les ouvertures de ventilation obstruées. Veillez à ce que les ouvertures de ventilation ne soient pas obstruées par des peluches, cheveux, etc. Ne jamais laisser tomber ni insérer d'objets dans les ouvertures.
- Ne pas faire fonctionner le matelas gonflable si le cordon d'alimentation ou la prise sont endommagés, s'il ne fonctionne pas correctement, s'il est tombé ou endommagé, ou s'il est tombé dans l'eau. Renvoyez le matelas à un centre SAV pour expertise et/ ou réparation.
- Si le cordon d'alimentation est endommage, il doit etre remplace par le fabricant, un service apres vente agree ou une personne qualifiee afin d'eviter tout risque d'electrocution.
- Ne pas faire passer le fil sous une moquette. Ne pas couvrir le fil avec des tapis, ou toute autre couverture. Ne pas faire passer le fil sous des meubles ou sous des appareils. Disposez le fil loin du passage et à un endroit où il ne risque pas de faire trébucher quelqu'un. Eloignez le cordon d'alimentation des surfaces chaudes.

SUIVEZ CES INSTRUCTIONS ET CES REGLES DE SECURITE AFIN D'EVITER TOUT DEGAT MATERIEL, SUFFOCATION, ELECTROCUTION, INCENDIE OU TOUTE AUTRE BLESSURE.

⚠ ATTENTION

- Pour réduire le risque d'électrocution ou de blessures, utilisez à l'intérieur uniquement, ne pas exposer à la pluie. Stockez à l'intérieur.

LISEZ ET CONSERVEZ CES INSTRUCTIONS

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AP619D, AP619DP French Manual

Manual/Service Instructions (Continued)

- Operations and Service instructions are provided with the equipment

ENTRETIEN D'UN APPAREIL A ISOLATION DOUBLE : **17PO**

Un appareil à isolation double est équipé d'un système de double isolation qui remplace la phase de terre. En aucun cas la phase de terre ne doit être ajouté sur un appareil à isolation double. L'entretien d'un appareil à isolation double est très difficiles et nécessite beaucoup de précaution ainsi, il doit être effectué uniquement par des personnes qualifées. Lors d'un changement de pièce détachée d'un appareil à isolation double, les pièces de remplacement doivent être identiques à celle d'origine. Un appareil à isolation double est marqué "ISOLATION DOUBLE" ou "DOUBLE ISOLATED" avec le symbole ⧈.

INSTRUCTIONS D'UTILISATION

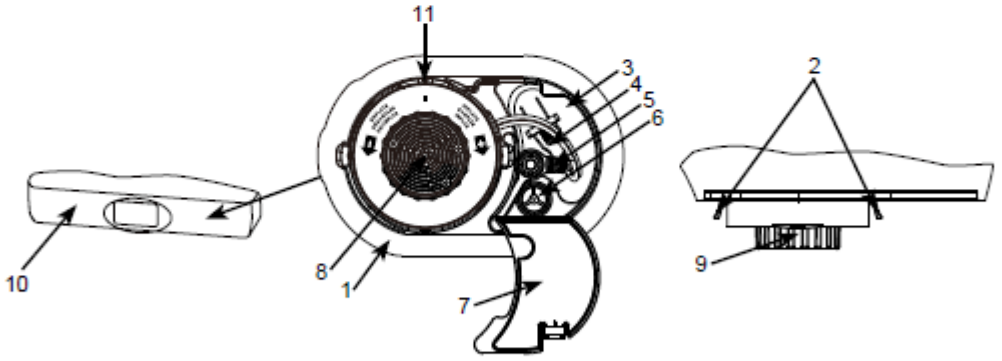
Général

- Cet appareil possède une prise polarisée (une fiche est plus large que l'autre). Cette fiche s'insèrera dans une prise polarisée dans un sens uniquement. Si la fiche n'entre pas complètement dans la prise, inversez la fiche. Si elle n'entre toujours pas, contactez un électricien qualifié pour installer une prise adéquate. Ne pas modifier la fiche de quelque façon.
- Les matelas gonflables sont conçus pour une utilisation temporaire et ne sont PAS conçus pour remplacer un matelas traditionnel.
- Assurez-vous que la zone est plane, horizontale, propre, exempte d'objets pointus et à proximité d'une prise électrique.
- Pour éviter de perforer ou d'endommager le matelas gonflable, ne faites jamais glisser le matelas gonflable sur le sol. Soulevez le matelas gonflé en cas de déplacement ou de changement de lieu.

Instructions DE Entretien :

- Le gonfleur ne nécessite aucun entretien particulier. La pompe est amovible.
- Pour le nettoyage, utilisez uniquement un chiffon propre avec une solution savonneuse douce. Ne pas utiliser de produits chimiques.
- En cas de réparations, n'utiliser que de la colle PVC de réparation ordinaire et des rustines. Sur les surfaces floquées : retirez d'abord la matière de flocage avec une gomme avant d'appliquer la colle et/ou la rustine.

DETAIL DES PIECES



Description des pièces :

1. Cadre support de pompe
2. Languette de retrait de la pompe
3. Compartiment du cordon d'alimentation
4. Cordon d'alimentation
5. Bouchon de port de gonflage manuel
6. Port de gonflage manuel
7. Boîtier de rangement du cordon
8. Passage d'air
9. Cadran de contrôle
10. Avant de matelas gonflable
11. Position fermée / pompe arrêtée

NOTE : Ce croquis est une simple représentation du produit. Il n'est pas à l'échelle réelle. En raison d'une politique d'amélioration continue de ses produits, Intex se réserve le droit de modifier les spécifications et l'apparence, ce qui peut entrainer des mises à jour du manuel d'instruction sans préavis.

LISEZ ET CONSERVEZ CES INSTRUCTIONS

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Manual/Service Instructions (Continued)

- Operations and Service instructions are provided with the equipment

GONFLAGE 17PO

1. Sortez le cordon d'alimentation de son boîtier et débranchez le câble d'alimentation. N'arrachez pas le câble d'alimentation **(FIG. 1)**.
2. Branchez le cordon d'alimentation **(FIG. 2)**.

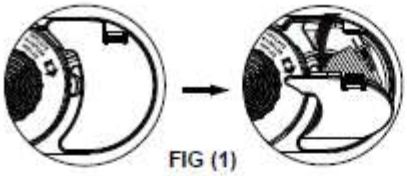

FIG (1)

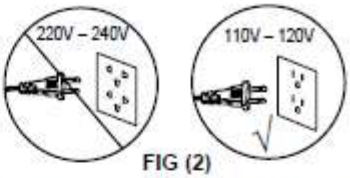

FIG (2)

3. Tournez complètement le molette de commande valve dans le sens des aiguilles d'une montre jusqu'à ce qu'il s'arrête. La pompe se met en marche automatiquement pour gonfler le matelas pneumatique **(FIG. 3)**.

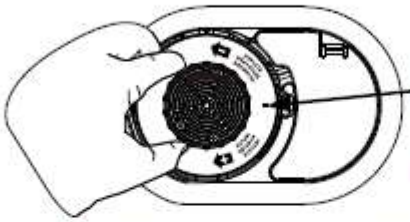

FIG (3)

4. Lorsque le matelas pneumatique est complètement gonflé, tournez le bouton de commande vers l'arrière (dans le sens inverse des aiguilles d'une montre) jusqu'à la position centrale, ce qui ferme la valve et éteint la pompe **(FIG. 4)**.

NOTE : Si vous tournez la molette de commande dans un sens ou dans l'autre alors que la pompe est débranchée, l'air s'échappe du lit pneumatique. Voir l'étape n°5 pour les instructions d'ajustement de la fermeté.

Ne débranchez jamais le cordon d'alimentation de la prise électrique pendant que la pompe fonctionne. Tournez la molette de commande en position fermée / pompe arrêtée avant de débrancher le cordon d'alimentation.

Tournez la molette en position fermée / pompe arrêtée

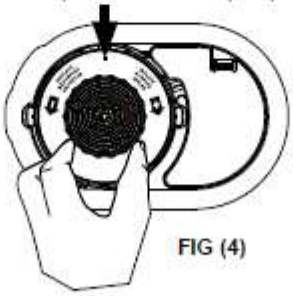

FIG (4)

5. Si le matelas pneumatique semble trop ferme, libérez un peu d'air en tournant la molette de contrôle progressivement dans le sens inverse des aiguilles d'une montre jusqu'à ce que l'air commence à s'échapper du passage d'air. Lorsque la fermeté souhaitée est atteinte, remettez la molette de commande en position centrale fermée / pompe arrêtée. Si le matelas n'est pas assez ferme, répétez les étapes de #3 à #5.

LISEZ ET CONSERVEZ CES INSTRUCTIONS

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Manual/Service Instructions (Continued)

- Operations and Service instructions are provided with the equipment

17PO

IMPORTANT

Pour le bon gonflage de votre matelas lit d'appoint Airbed.
La température ambiante a un effet sur la pression interne de votre airbed. Avec une température fraîche, l'air se "rétractera" et votre airbed paraitra plus mou : regonflez-le. Au contraire, s'il fait chaud, l'air se dilatera et votre airbed paraitra plus dur et peut exploser : laissez de l'air s'échapper. N'exposez pas votre airbed à des températures extrêmes (chaudes ou froides).
L'extensibilité est une caractéristique naturelle d'un vinyle neuf. Au cours de la première utilisation, il se peut que le matelas se dégonfle légèrement et nécessite un gonflage supplémentaire pour maintenir la fermeté désirée. Ceci est normal lors des premiers jours d'utilisation.
Les dimensions montrées sont approximatives et vont varier selon la température du vinyle et la température de l'air.
En aucun cas, Intex, ses agents ou ses employés ne peuvent être tenus responsables pour des problèmes (comme des trous) résultant de négligences, d'usures, d'accrocs, d'abus, ou de causes extérieures.

DEGONFLAGE

1. Branchez le cordon d'alimentation **(FIG. 2)**.
2. Tournez complètement le molette de commande valve dans le sens inverse des aiguilles d'une montre jusqu'à ce qu'il s'arrête. La pompe dégonfle maintenant le matelas pneumatique **(FIG. 5)**.

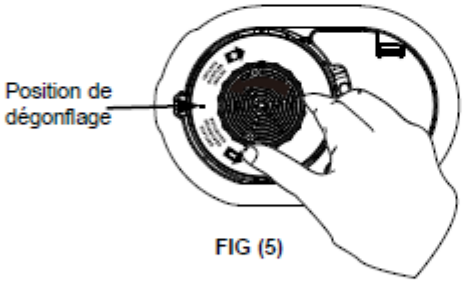

FIG (5)


FIG (6)

3. Lorsque tout l'air a été évacué du matelas pneumatique, tournez la molette de commande vers l'arrière (dans le sens des aiguilles d'une montre) en position centrale pour fermer la vanne et arrêter la pompe.
4. Débranchez le câble d'alimentation secteur de la prise électrique, enroulez le câble d'alimentation et placez-le à l'intérieur du compartiment de rangement, puis fermez le couvercle. Assurez-vous que le cordon d'alimentation n'est pas enroulé, torsadé ou noué.
5. Lorsque le matelas pneumatique est complètement dégonflé, commencez à rouler le matelas pneumatique de l'extrémité opposée à la pompe vers l'extrémité où se trouve la pompe **(FIG. 6)**.

OPTION DE GONFLAGE MANUEL

Si l'alimentation électrique n'est pas disponible, une pompe à air conventionnelle à pied, à main ou à piles peut être utilisée en la connectant au port de gonflage manuel situé à l'intérieur du compartiment du câble d'alimentation **(FIG. 7)**. Suivez ces étapes:

LISEZ ET CONSERVEZ CES INSTRUCTIONS

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Manual/Service Instructions (Continued)

- Operations and Service instructions are provided with the equipment

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1. Ouvrez le couvercle du compartiment du câbled'alimentation et localisez le port de gonflage manuel.
2. Assurez-vous que la molette de commande de la pompe électrique interne est toujours en position fermée / pompe arrêtée.
3. Retirez le bouchon de l'orifice de gonflage manuel et insérez l'embout de la pompe dans l'orifice. Gonflez le matelas pneumatique jusqu'à la fermeté souhaitée.

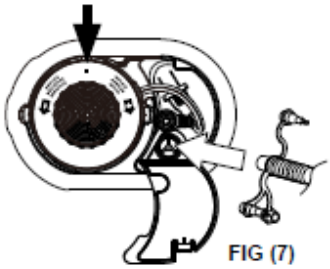

FIG (7)

NOTE : Ne pas surgonfler. La fermeté doit être approximativement la même que le niveau atteint avec la pompe électrique interne.

4. Retirez la buse de l'orifice de gonflage manuel et fermez le bouchon et le couvercle du compartiment du cordon.

ENTRETIEN

1. Dégonflez le matelas en suivant les "INSTRUCTIONS DE DEGONFLAGE".
2. Assurez-vous que le matelas est propre et sec.
3. Couchez le matelas avec la surface de couchage sur le haut et suivez les etapes de pliage 8 a 12. Pliez le matelas avec précaution en évitant de faire des faux-plis qui pourraient l'endommager.

FIG (8) FIG (9) FIG (10) FIG (11) FIG (12)

REMPLACEMENT DE LA POMPE À AIR INTERNE OU D'UN COMPOSANT DU MATELAS PNEUMATIQ

S'il est nécessaire de remplacer la pompe à air interne ou une partie du matelas pneumatique, détachez la pompe interne du matelas pneumatique comme suit :

1. Tout en maintenant les deux languettes de verrouillage enfoncées vers l'intérieur **(FIG. 13)**, tournez le boîtier rond de la pompe (le grand bord extérieur, pas le molette de commande valve) dans le sens inverse des aiguilles d'une montre et tirez le boîtier de la pompe à air hors du cadre du support.

FIG (13)

2. Selon la pièce à remplacer, conservez le composant restant (soit la pièce du matelas pneumatique ou la pompe retirée) dans un endroit sûr jusqu'à réception de la pièce de rechange. Rattachez les composants lorsque la nouvelle pièce est reçue : placez simplement la pompe dans le cadre du support et tournez dans le sens des aiguilles d'une montre jusqu'à ce que les languettes de verrouillage s'enclenchent.

NOTE : Assurez-vous que le joint en caoutchouc sur le boîtier de la pompe ainsi que la paroi intérieure du cadre du support sont propres et exempts de peluches, de cheveux ou de saleté, pour assurer une bonne étanchéité et éviter les fuites d'air.

NOTE : Ne retirez pas la pompe à air interne du cadre du support autre que pour l'entretien, car cela pourrait introduire des peluches, des cheveux ou de la saleté dans la zone du joint et provoquer des fuites d'air. En cas de fuite d'air, vérifiez que le joint est propre avant de replacer la pompe ou le matelas pneumatique.

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Manual/Service Instructions (Continued)

- Operations and Service instructions are provided with the equipment

17PO

GUIDE EN CAS DE PANNE

INCIDENT	VÉRIFICATIONS	SOLUTIONS POSSIBLES
Fuite d'air entre la pompe à air interne et le cadre du support de pompe	• La pompe n'est pas bien fixée. • Le joint torique de la pompe est sale. • Les fils de la structure interne du matelas pneumatique sont coincés entre la pompe à air interne et le cadre du support de la pompe. • Le joint torique de la pompe est déformé et/ou endommagé.	• Tout en tenant la couronne extérieure de la pompe, enfoncez et tournez complètement la pompe dans le sens des aiguilles d'une montre jusqu'à ce que les deux pattes latérales se verrouillent en place. • Enlevez la pompe du matelas gonflable, enlevez le joint torique de la pompe et nettoyez-le avec de l'eau. Remettez soigneusement le joint torique dans la pompe afin d'empêcher la poussière et les peluches de se coller à nouveau sur le joint torique. Assurez-vous également que la paroi intérieure du cadre de support de la pompe est exempte de poussière, de cheveux ou de peluches. • Retirez la pompe à air interne et remettez soigneusement la pompe en vous assurant que les fils de la structure interne du matelas pneumatique sont éloignés du cadre du support de la pompe. • Enlevez la pompe du matelas gonflable, assurez-vous que le joint torique n'est pas endommagé et/ou déformé. Réalignez le joint torique ou remplacez-le par un joint torique neuf. Contactez le centre de service Intex pour le remplacement.
La pompe à air ne fonctionne pas	• Non branchée à une prise électrique. • Protection thermique du moteur de la pompe activée. • Pompe à air interne défectueuse.	• Assurez-vous que la pompe est branchée dans la prise électrique correcte, puis tournez la molette de commande à fond dans le sens des aiguilles d'une montre jusqu'à la position de gonflage. • Éteignez et débranchez le cordon d'alimentation de la prise de courant, laissez la pompe à l'arrêt pendant plus de 30 minutes avant de reprendre l'utilisation de la pompe. • Retirez la pompe à air interne du matelas pneumatique et conservez-la dans un endroit sûr. Contactez le centre de service Intex pour un remplacement de la pompe à air interne.
Le moteur de la pompe fonctionne mais le matelas ne se gonfle pas ou ne se dégonfle pas	• Le mode de gonflage ou de dégonflage n'est pas encore réglé.	• Tournez la molette de commande à fond dans le sens des aiguilles d'une montre jusqu'à ce qu'elle s'arrête pour gonfler le matelas pneumatique. Ou tournez la molette de commande à fond dans le sens inverse des aiguilles d'une montre jusqu'à ce qu'elle s'arrête pour dégonfler le matelas pneumatique.
Après le gonflage, l'air s'échappe par le passage d'air de la pompe ou par l'orifice de gonflage manuel	• Le passage d'air de la pompe n'est pas complètement fermé. • Le bouchon de l'orifice de gonflage manuel n'est pas bien fermé.	• Assurez-vous que le passage d'air est fermé en tournant la molette de commande sur la position centrale fermée / pompe arrêtée. • Poussez fermement le bouchon dans l'orifice de gonflage manuel.

INTEX®

LISEZ ET CONSERVEZ CES INSTRUCTIONS

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Alternate Listee Information

Alternate listees and product names or model numbers: None
None Alternate Listee

	Company Name	Product Name	Listing Number
Applicant	--	--	--
Alt. Listee 1	--	--	--

Note: An alternate listee is not allowed to open the product and make modifications. An alternate listee is only allowed to change the Company name, Product name and model number.

Alternate recording of an OEM to be used **only if the OEM is not to be identified**.

Sample Label: N/A

Applicant's Responsibilities

Product Modifications:

Minor product modifications by the manufacturer may be allowed using the following guidelines:

1. Components identified in this report as "Listed, Recognized, or Certified" and **NOT** identified with a manufacturer name or part number may be exchanged with an alternate "Listed, Recognized, or Certified" component of equivalent value.

   Example: Appliance Inlet Connector - Listed/Certified Component, IEC 320 style male connector, rated 250 volts and 20 amperes. Mechanically secured to the front panel with screws and locking washers.

   - This inlet connector may be replaced with any Listed/Certified inlet connector with the same ratings as stated and where mechanical securement is maintained.

2. Components identified by a manufacturer name, part number, or with specific comments, (such as AC only, indoor use only, approved for use in this product only), may **NOT** be replaced or modified without prior approval from MET Laboratories.

   Example: Circuit Breaker - Recognized/Certified Component, ABCD Co. P/N XYZ123, rated 250 volts maximum, 50/60 Hz, 25 full-load amperes, 31.3 trip amperes. Toggle handle marked with IEC on/off symbols. Mechanically secured to the front panel with screws and locking washers.

   - This circuit breaker can **NOT** be modified or changed without prior approval by MET Laboratories, Inc.

Applicant's Responsibilities (Continued)

Project Amendments:

For your convenience a Project Amendment Request (PAR) form is available for download at http://corp.metlabs.com/safetyreq/ **For any changes** related to product construction, manufacturing locations, if the product is intended to be marketed/sold under an alternate name or model number than that originally listed, or any issues which would require notification or change in the status of this file, please complete the form and return to MET Laboratories, Inc. following the instructions provided on the form.

If you are terminating or temporarily suspending production of this product for an extended period, please send a letter on company letterhead to:

MET Laboratories, Inc.
Attn: Follow Up Services Department
914 West Patapsco Avenue
Baltimore, Maryland 21230
USA
Fax: (410) 354-3313

Applicant's Responsibilities (Continued)

Manufacturing and Production-Line Tests and Documentation performed by Manufacturer.

All certified products are required to be subjected to production line testing as indicated below:

Dielectric Voltage-Withstand Test:

Each complete end product shall be capable of withstanding, without electrical breakdown, the application of a continuous sinusoidal or direct current voltage between uninsulated live parts and accessible dead metal parts that are likely to become energized in accordance with the following method.

The Air Pump was evaluated for the application and is not under a third-party surveillance program. The end-product manufacturer must test the appliance either before or after installation in the end product, to withstand without electrical breakdown the application of an ac or dc voltage between the primary winding and secondary winding.

Circuit Rating	Component Tested	Circuit Tested			
			Voltage (VAC)	Voltage (VDC)	Time (sec)
Up to 240 V	Main unit	Live Parts to Plastic Enclosure	4000	--	3

Grounding Continuity Test:
N/A

Documentation:
The manufacturer is required to record the production line test results. The data recorded is to include the type of test, date of test, serial number of the product, indications of pass, fail, or retest, test equipment utilized, calibration date of test equipment utilized, and the initials or signature of the test technician. Test records shall be required to be maintained from factory follow-up audit to factory follow-up audit and must be available for the inspectors' review. Records may be in the form of travelers, logs, computer files, or other such suitable documentation method.

Conditions of Acceptability

When installed in the end product, consideration shall be given to the following: N/A

Critical Components

Figure/ item No.	Object/ Parts No.	Manufacturer/Trademark	Type/ Model	Technical Data	Standard (Edition / year)	Mark(s) of Conformity	Secured Method
1/1	Plug	RUNFA (XIAMEN) CABLE CO LTD	LP-5W	10A, 125Vac, direct-plug in type	UL 817/ C22.2 No. 21	cURus E334365	-
		Various	Various	10A, 125Vac, direct-plug in type	UL 817/ C22.2 No. 21	cURus listed or Recognized	-
1/2	Power Cord	RUNFA (XIAMEN) CABLE CO LTD	SPT-2	18AWG, 2/C, 300V, VW-1, 75°C, external length: 1.8m	UL 62/ C22.2 No. 49	cURus E356583	-
		Various	SPT-2	18AWG, 2/C, 300V, VW-1, 75°C, external length: 1.8m	UL 62/ C22.2 No. 49	cURus listed or Recognized	-
1/3	Label, Marking and Cord Tag	Various	Various	-40 ºC to +80 ºC	UL 969/CSA C22.2 No. 0.15	cURus listed or Recognized	Stuck on the enclosure and cord
6/4	Panel	FORMOSA PLASTICS CORP	Yungsox 3084	PP, Min.1.9mm, HB, RTI(65, 65, 65)	UL 746 Series/ C22.2 No. 0.17	cURus E216959	Fixed with pump cavity with screw
6/5	Pump cavity	MITSUBISHI ENGINEERING-PLASTICS CORP	C-3000+	PC, Min.1.5mm, HB, RTI(115, 115, 125)	UL 746 Series/ C22.2 No. 0.17	cURus E41179	Fixed with panel with screw
		FORMOSA PLASTICS CORP	Yungsox 3084	PP, Min.1.9mm, HB, RTI(65, 65, 65)	UL 746 Series/ C22.2 No. 0.17	cURus E216959	Fixed with panel with screw
6/6	House	FORMOSA PLASTICS CORP	Yungsox 3084	PP, Min.1.9mm, HB, RTI(65, 65, 65)	UL 746 Series/ C22.2 No. 0.17	cURus E216959	Secured to the valve body with snap fit
6/7	Valve body	CHI MEI CORPORATION	PA-777B	ABS, Min.1.5mm, HB, RTI (60, 60, 60)	UL 746 Series/ C22.2 No. 0.17	cURus E56070	Secured to the house body with snap fit

Critical Components (Continued)

7/8	Vane	FORMOSA PLASTICS CORP	Yungsox 3084	PP, Min.1.9mm, HB, RTI(65, 65, 65)	UL 746 Series/ C22.2 No. 0.17	cURus E216959	Secured to the motor shaft with pressure
7/9	Switch	ZHEJIANG ZHONGXUN ELECTRONICS CO LTD	KCD1-B3 or KCD1-B4	250 Vac, 10(6)A, T105	UL 61058-1/ CSA C22.2 No. 61058-1	cURus E203463	Secured to panel with snap fit
7/10	Quick connector	Various	4.8*0.8	Copper tabs	UL 310/ CSA-C22.2 No. 153	cURus listed or Recognized	Secured to terminal of switch, power cord, covered by insulation sleeving and Heat-Shrinkable Sleeving
7/11	Insulation sleeving	DONGGUAN SALIPT CO LTD	SALIPT S-901-600	Rated 600V, 125ºC, VW-1	UL 224/C22.2 No. 198.1	cURus E209436	Secured to terminal of switch
		Various	Various	Rated 600V, 125ºC, VW-1	UL 224/C22.2 No. 198.1	cURus listed or Recognized	Secured to terminal of switch
7/12	Heat-Shrinkable Sleeving	Various	Various	Rated 600V, 125 ºC, VW-1	UL 224/C22.2 No. 198.1	cURus E209436	Secured to terminal of power cord
10/13	PCB cover	SHENZHENSHI XINGSHENGDI NEW MATERIAL CO LTD	XD-203V	PA66, Thickness: 1.5mm, V-0, RTI (65, 65, 65)	UL 746 Series/ C22.2 No. 0.17	cURus E342846	Secured to end spider of motor with snap fit
10/14	PCB	Various	Various	94V-0, 130ºC, 1.2mm thickness	UL 796/C22.2 No. 0.17	cURus listed or Recognized	Secured to end spider of motor with PCB cover
10/15	PTC Protector	SHENZHEN WONDHOPE ELECTRIC CO LTD	WH130-1100	130Vac, Ih: 1.1A, It:2.2A, 75°C	UL/C22.2 No. 60730 Series	cURus E245085	Secured to PCB by soldering
		SHANGHAI KETER NEW MATERIALS CO LTD	KT120-1100B	120Vac, Ih: 1.1A, It:2.2A, 85°C	UL/C22.2 No. 60730 Series	cURus E230676	Secured to PCB by soldering
		SHENZHEN GUANRUIDA ELECTRONIC TECHNOLOGY CO LTD	GR135-900	120Vac, Ih: 0.9A, It:1.8A, 85°C	UL/C22.2 No. 60730 Series	cURus E339514	Secured to PCB by soldering

Critical Components (Continued)

10/16	Motor with Rectifier PCB (for AP619D)	Intex Industries (Xiamen) Co.,Ltd	RS-5412	120Vac, 60Hz, Accepted as Class A, details as below:	UL 1004-1/UL 1004-3/C22.2 No. 100	Not recognized	Fixed in pump cavity with snap fit
14/24	Motor with Rectifier PCB (for AP619DP)	Intex Industries (Xiamen) Co.,Ltd	RS-5412-C	120Vac, 60Hz, Accepted as Class A, details as below:	UL 1004-1/UL 1004-3/C22.2 No. 100	Not recognized	Fixed in pump cavity with snap fit
11/17	- Commutator	PANASONIC CORPORATION	CN6641	V-0, RTI (150, 150, 150)	UL 746 Series/ C22.2 No. 0.17	cURus E41404	Fixed on rotor
		NINGBO ANLI ELECTRON MATERIAL CO LTD	AL-6551D	V-0, RTI (150, 150, 150)	UL 746 Series/ C22.2 No. 0.17	cURus E331764	Fixed on rotor
		WUXI CHUANGDA ADVANCED MATERIALS CO LTD	WH-6551	V-0, HWI 0, HAI 3, RTI (150, 150, 150)	UL 746 Series/ C22.2 No. 0.17	cURus E241568	Fixed on rotor
11/18	- Rotor Magnet Wire	HESHAN JIANGCI WIRE & CABLE CO LTD	QZY-x/180-UL	180°C	UL 1446	UR E192838	Fixed on rotor
		HESHAN JIANGCI WIRE & CABLE CO LTD	*PEW/155	155°C	UL 1446	UR E192838	Fixed on rotor
		HESHAN JIANGCI WIRE & CABLE CO LTD	*PEW/180	180°C	UL 1446	UR E192838	Fixed on rotor
		SHENZHEN DAYANG INDUSTRY CO LTD	xEIW/180	180°C	UL 1446	UR E176101	Fixed on rotor
		GUANGDONG JINYAN ELECTROTECHNICS JOINT STOCK CO LTD	xPEW,QZ-x/155	155°C	UL 1446	UR E238500	Fixed on rotor
		DONG GUAN YIDA INDUSTRIAL CO LTD	QZ-x/155	155°C	UL 1446	UR E344055	Fixed on rotor
11/19	- Slot wedge	HOKUETSU TOYO FIBRE CO LTD	NF-77(R)	V-0, HWI 0, HAI 3, RTI (90)	UL 746E	UR E55656	Fixed on rotor

Critical Components (Continued)

11/20 Not shown	- Slot liner	YANTAI METASTAR SPECIAL PAPER CO LTD	YT511	VTM-0, 0.2mm thickness, HWI 4, HAI 4, RTI (210)	UL 746 Series/ C22.2 No. 0.17	cURus E331406	Fixed on rotor
		DUPONT SPECIALTY PRODUCTS USA, LLC	410	V-0, 0.2mm thickness, HWI 0, HAI 1, RTI (220)	UL 746 Series/ C22.2 No. 0.17	UR E34739	Fixed on rotor
11/21	- End spider	POLYPLASTICS CO LTD	E130i(dd)(e)(f1)	Polymer, V-0, HWI 2, HAI 0, RTI (240, 220, 240)	UL 746 Series/ C22.2 No. 0.17	cURus E106764	Fixed on motor enclosure
		E I DUPONT DE NEMOURS & CO INC	FR50(+)(f1)	PA66, V-0, HWI 0, HAI 0, RTI (130, 105, 105)	UL 746 Series/ C22.2 No. 0.17	cURus E41938	Fixed on motor enclosure
		LG CHEM (GUANGZHOU) ENGINEERING PLASTICS CO LTD	LUMID GP-2301BF(#)	PA66, V-0, HWI 0, HAI 0, RTI (120, 110, 120)	UL 746 Series/ C22.2 No. 0.17	cURus E248280	Fixed on motor enclosure
11/22	- Lead wire	Various	1015 or 1007 or 3135	18-22 AWG 300V, min 80°C	UL 758/ C22.2 No. 127	cURus listed or Recognized	Secured to brush cap
11/23	- Brush Cap	LG CHEM (GUANGZHOU) ENGINEERING PLASTICS CO LTD	LUMID GP-2301BF(#)	PA66, V-0, HWI 0, HAI 0, RTI (120, 110, 120)	UL 746 Series/ C22.2 No. 0.17	cURus E248280	Fixed on motor enclosure

Critical Drawings

Title:	Drawing No.:	Rev. Level:	Date:
Electric Diagram	AP619D 电路图	R0	2020.02.14
Exploded drawing	AP619D 爆炸图	R0	2020.02.14
BOM	AP619D 材料清单	R0	2020.02.14
Motor Specification for AP619D	619D 4210050000015 电机规格书 R2	**a**	2020-02-11
Motor Specification for AP619DP	619DP 马达规格书	a	2020-04-22

Figures

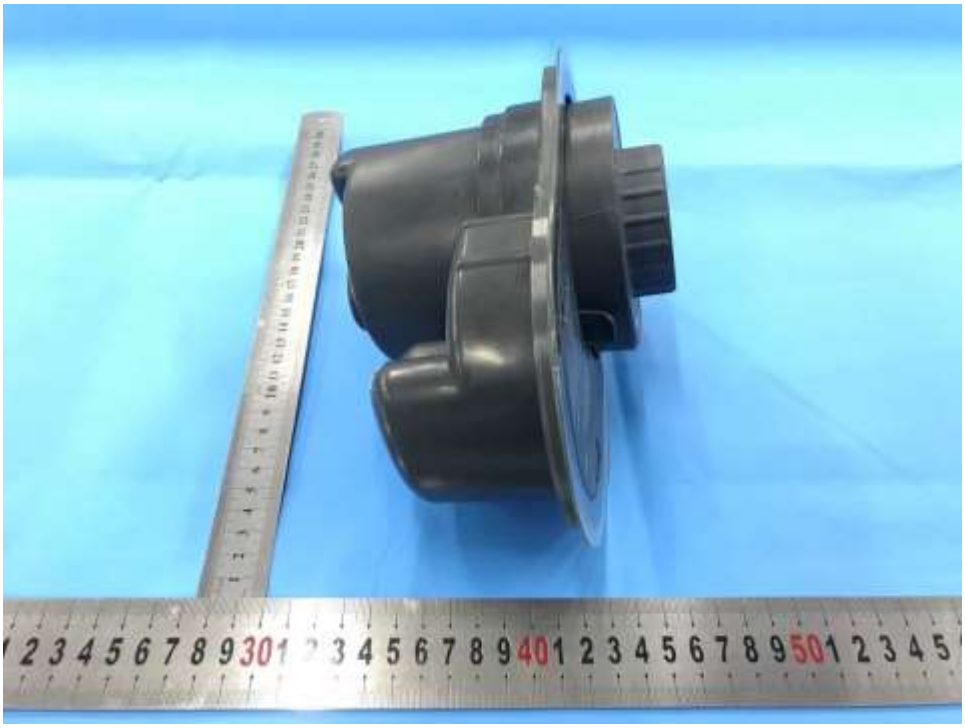
Figure 1. Overall view

AP619D, AP619DP

Plug, Power cord, Label, Marking and Cord Tag

Figures (Continued)

Figure 2. Continue



Figures (Continued)

Figure 3. Continue

Enclosure

Panel

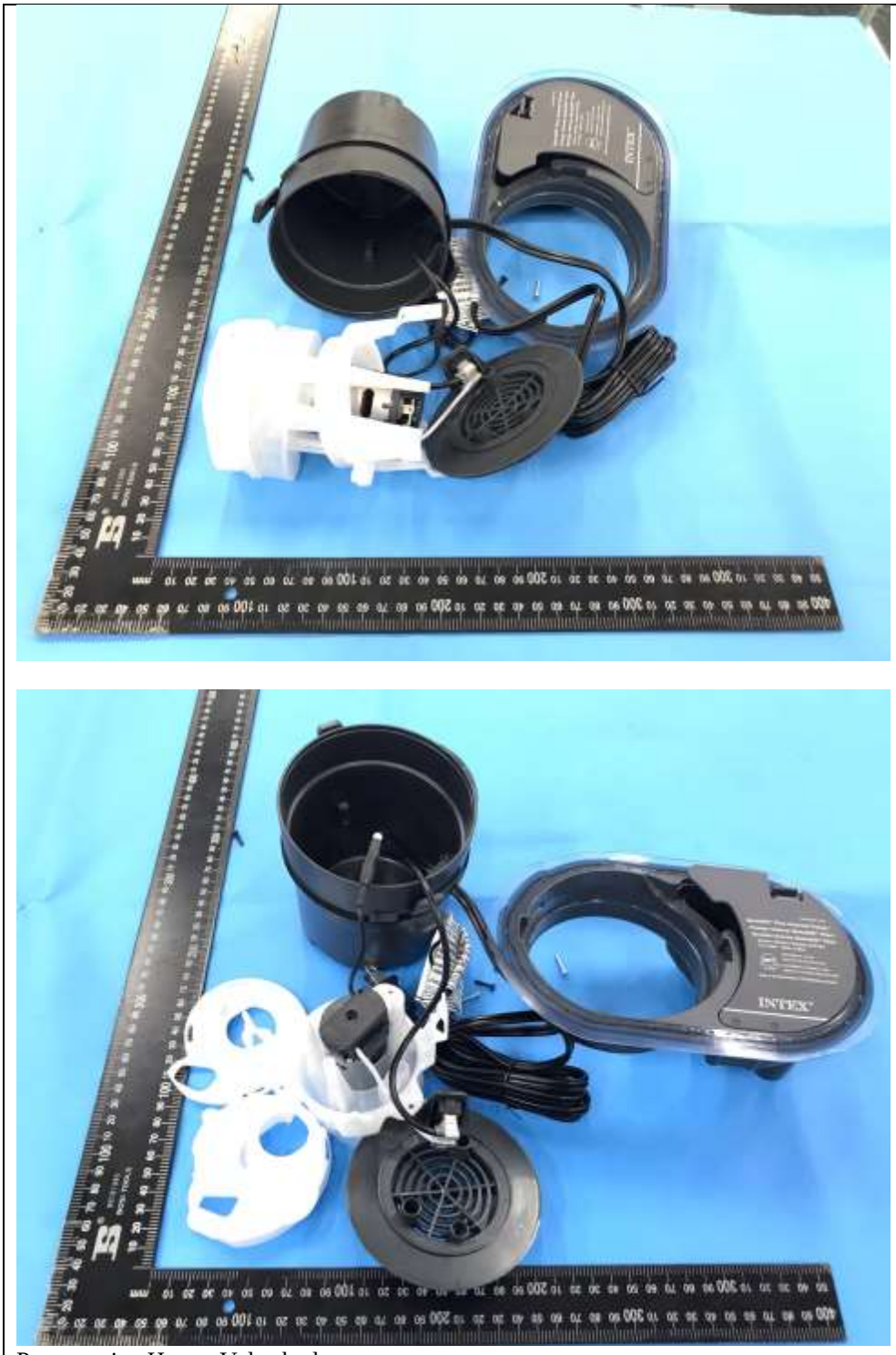
Figures (Continued)

Figure 4. Continue

Switch, sleeving, quick connector, Strain relief

Figures (Continued)

Figure 5. Continue

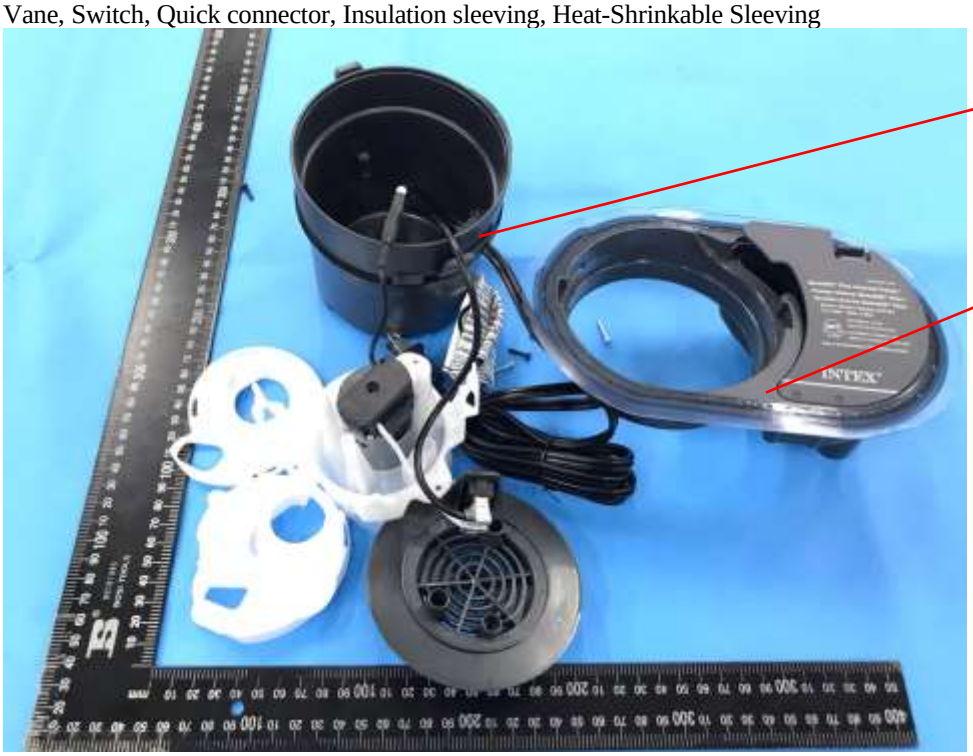


Pump cavity, House, Valve body

Figures (Continued)

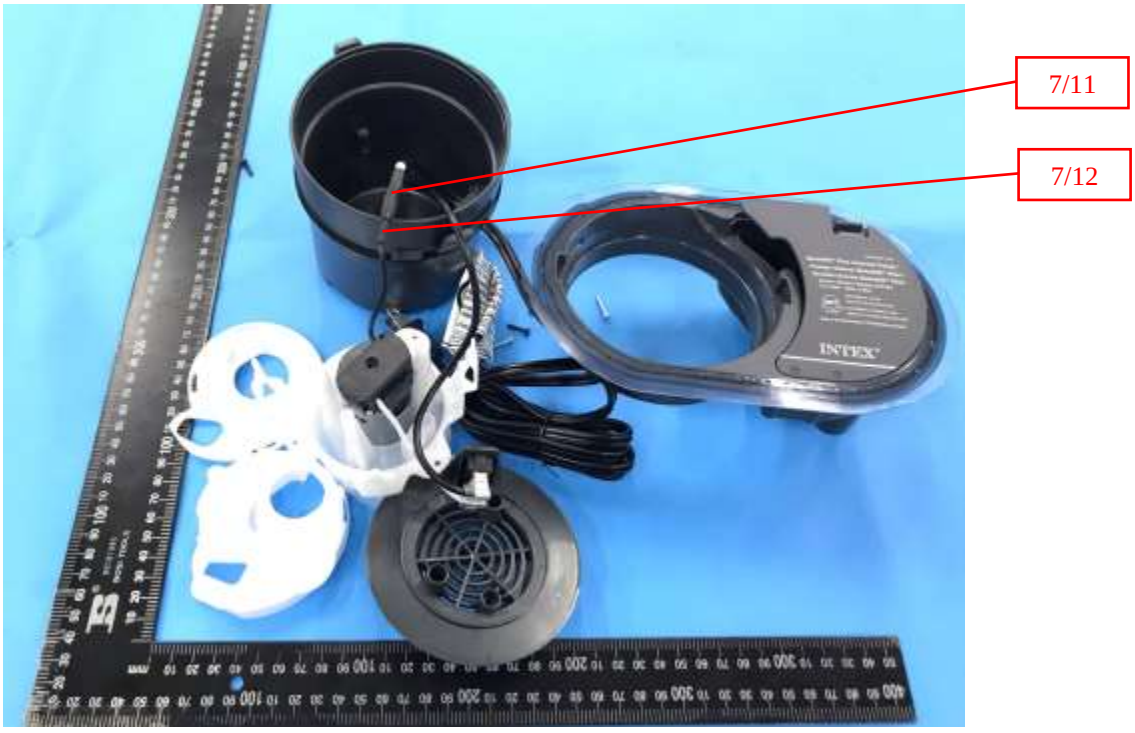
Figure 6. Continue

Vane, Switch, Quick connector, Insulation sleeving, Heat-Shrinkable Sleeving



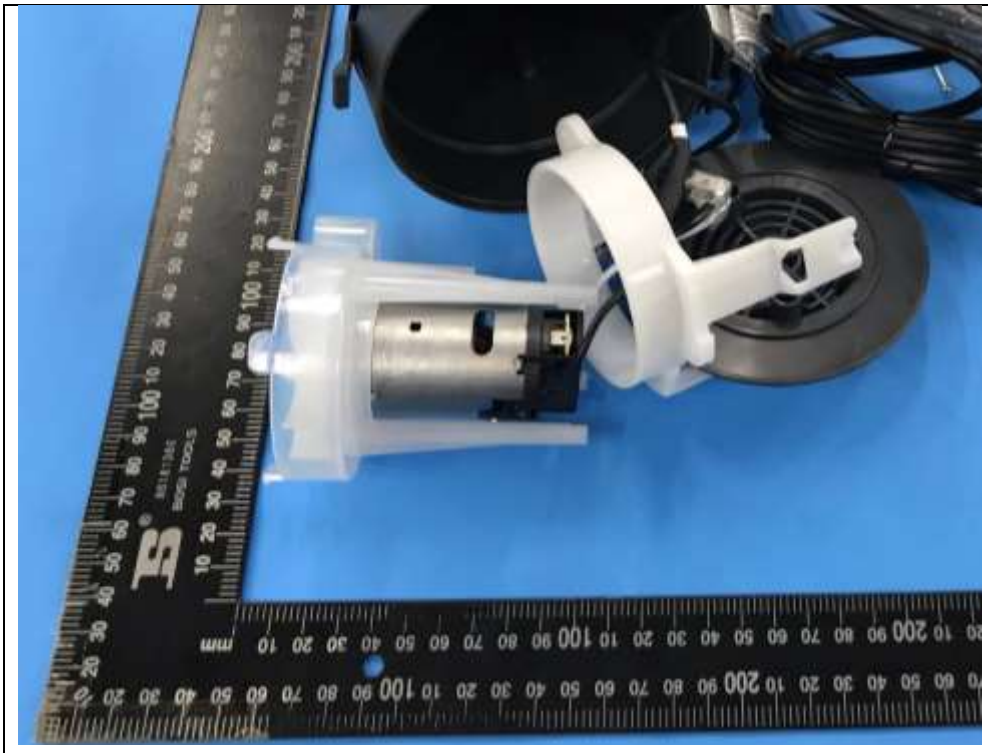
Figures (Continued)

Figure 7. Continue



Figures (Continued)

Figure 8. Continue



Figures (Continued)

Figure 9. Continue

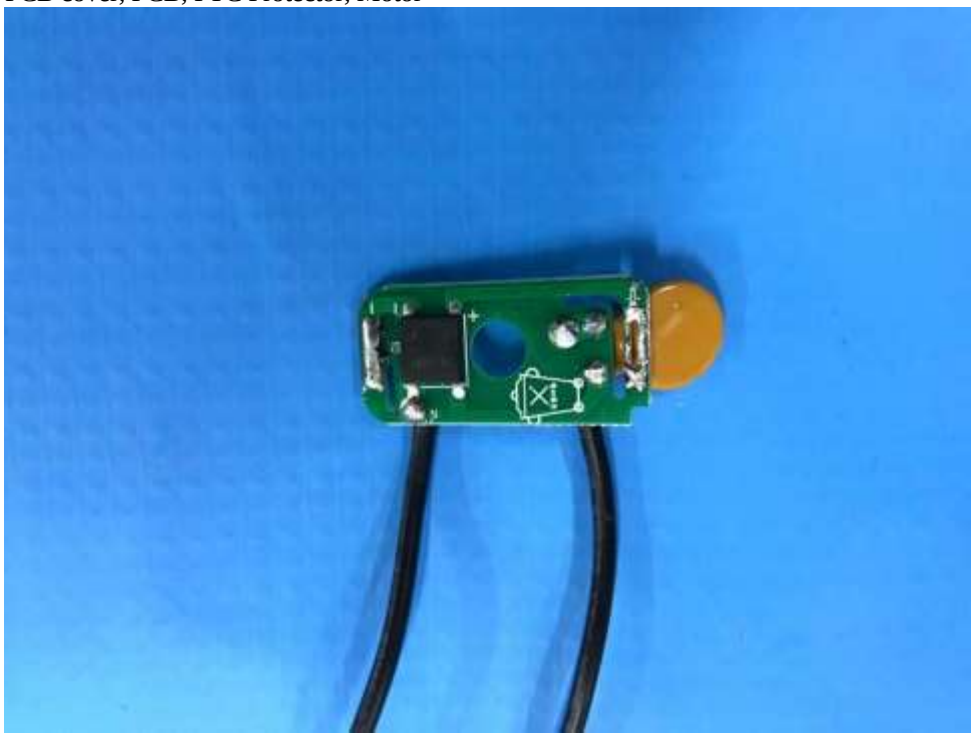
Motor RS-5412

Motor RS-5412

Figures (Continued)

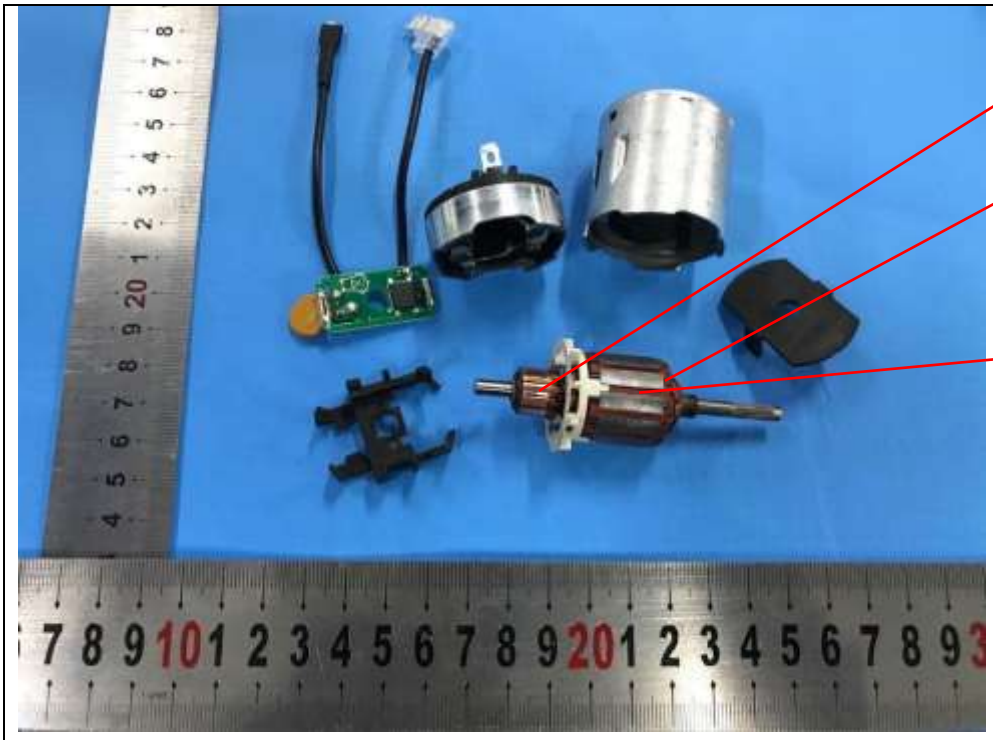
Figure 10. Continue

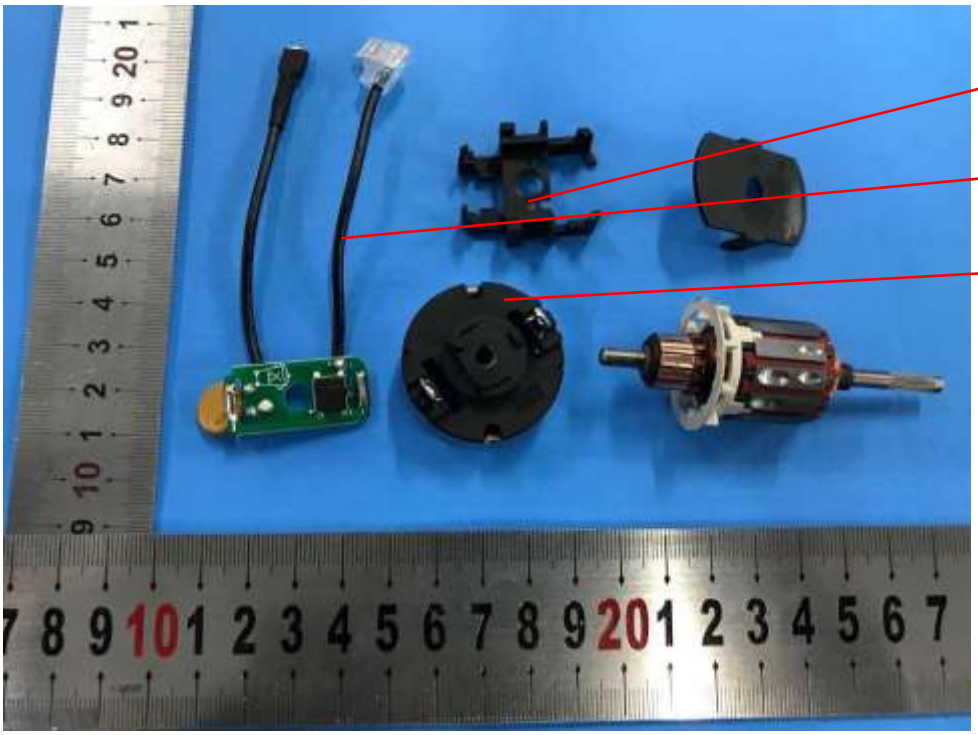
PCB cover, PCB, PTC Protector, Motor



Figures (Continued)

Figure 11. Continue





End spider, Lead wire, Brush Cap

Figures (Continued)

Figure 12. Continue

Commutator, Rotor Magnet Wire, Slot wedge, Slot liner

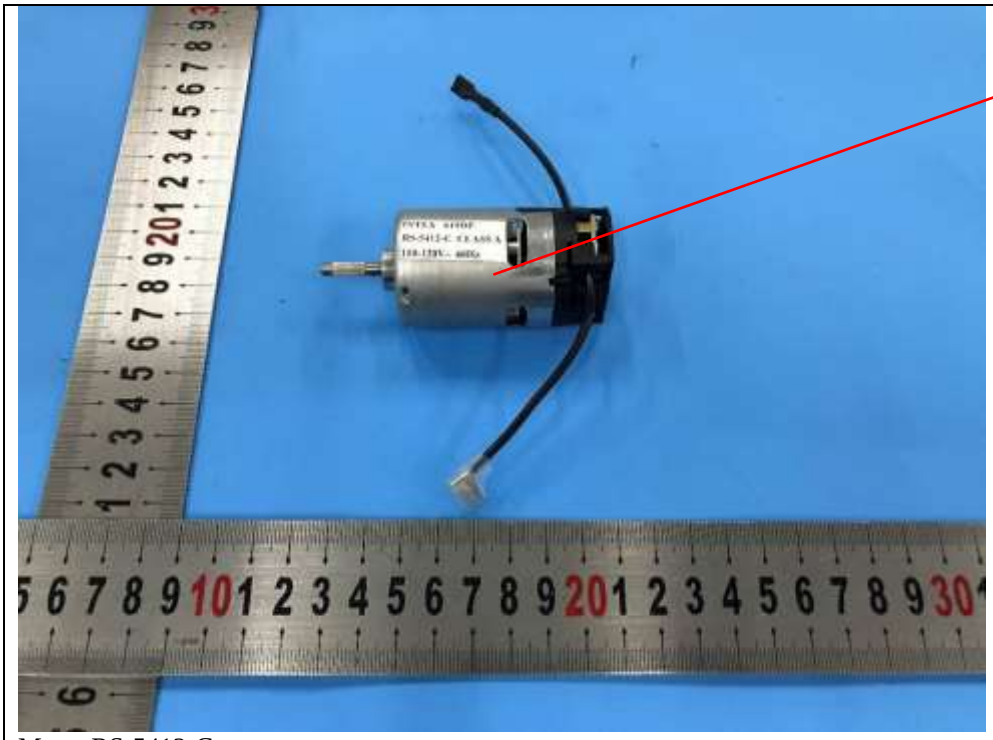
Figures (Continued)

Figure 13. Continue

AP619DP

Figures (Continued)

Figure 14. Continue



Motor RS-5412-C

Figures (Continued)

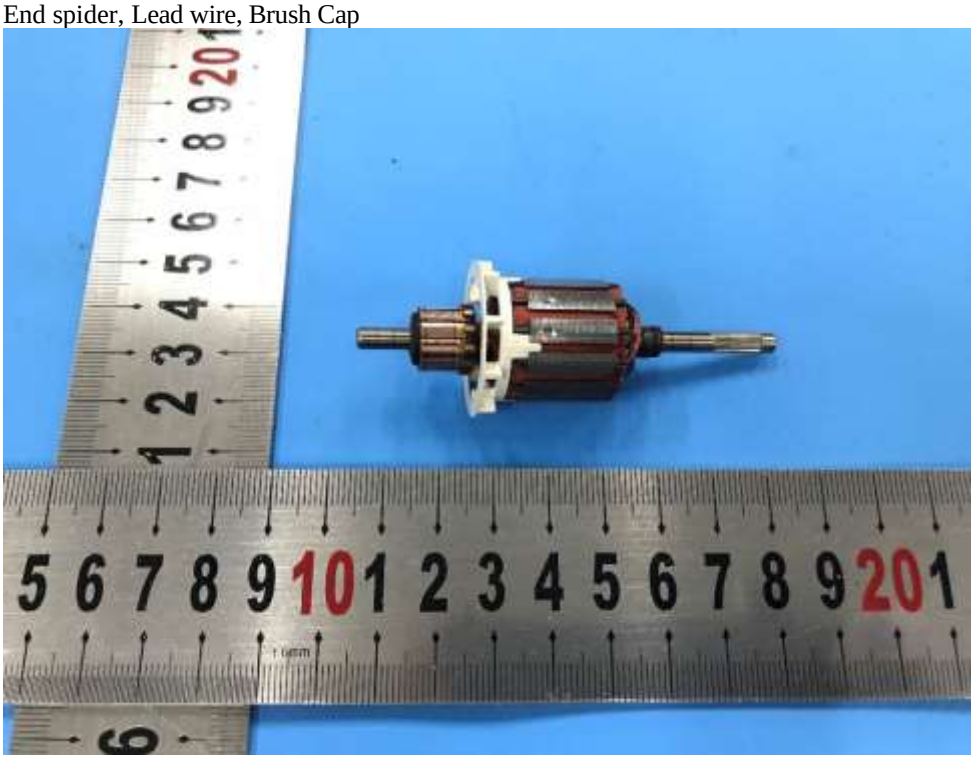
Figure 15. Continue

PCB cover, PCB, PTC Protector, Motor

Figures (Continued)

Figure 16. Continue

End spider, Lead wire, Brush Cap

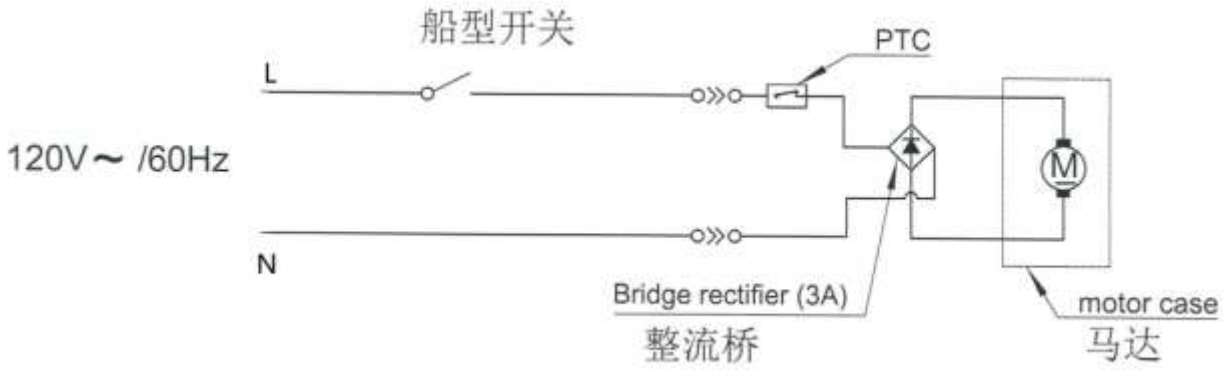


Commutator, Rotor Magnet Wire, Slot wedge, Slot liner

Illustrations

Illustration 1.

Electrical diagram



Testing Considerations

The electric air pump was subjected to the following test program with satisfactory results. All tests were conducted in accordance with UL1450 Fourth Edition, May 5, 2010, Revisions through September 4, 2019: Standard for Motor-Operated Air Compressors, Vacuum Pumps, and CSA C22.2 No. 68-18 August 2018, Update No. 1 — May 2019: Motor-operated appliances (household and commercial)

Only these tests were considered necessary due to engineering considerations. Detailed test results are on file at MET Laboratories under project number 107340.

Below tests were performed on AP619D.

UL 1450 TESTS CONDUCTED:

1. 41 Leakage Current Test
2. 42 Leakage Current Test Following Humidity Conditioning
3. 43 Starting Current Test
4. 45 Input Test
5. 46 Temperature Test
6. 48 Dielectric Voltage Withstand Test
7. 51 Test on Switches and Controls
8. 52 Strain-Relief Test
9. 53 Push-Back Strain-Relief Test
10. 54 Abnormal Operation Tests

UL 746C TESTS CONDUCTED:

11. 22 Impact and cold impact Test

UL 1097 TESTS CONDUCTED:

12. 18 Insulation test

CSA C22.2 NO. 68-18 TESTS CONDUCTED:

13. 6.3 Starting
14. 6.4 Rating
15. 6.5 Temperature (normal)
16. 6.6 Dielectric strength

17. 6.7 Temperature (abnormal)
18. 6.8.1 Overload
19. 6.9 Leakage current
20. 6.11.1 Impact
21. 6.11.3 Shock hazard
22. 6.12.1 Strain relief
23. 6.18 Moisture-absorption resistance of insulation
24. 6.21 Oven conditioning (nonmetallic enclosures)
25. 8.5.2 Leakage current
26. 8.5.3 Insulation test

Only these tests were considered necessary due to engineering considerations. Detailed test results are on file at MET Laboratories under project number 112686.

Below tests were performed on AP619DP.

UL 1450 TESTS CONDUCTED:

1. 41 Leakage Current Test
2. 42 Leakage Current Test Following Humidity Conditioning
3. 43 Starting Current Test
4. 45 Input Test
5. 46 Temperature Test
6. 48 Dielectric Voltage Withstand Test
7. 51 Test on Switches and Controls

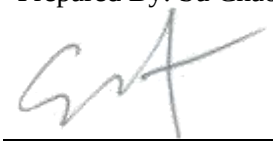
CSA C22.2 NO. 68-18 TESTS CONDUCTED:

8. 6.3 Starting
9. 6.4 Rating
10. 6.5 Temperature (normal)
11. 6.6 Dielectric strength
12. 6.7 Temperature (abnormal)
13. 6.8.1 Overload
14. 6.9 Leakage current
15. 6.21 Oven conditioning (nonmetallic enclosures)
16. 8.5.2 Leakage current
17. 8.5.3 Insulation test

Conclusion

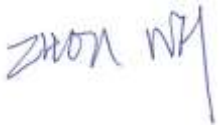
The product covered by this report has been tested, examined, and found to comply with the applicable requirements of UL1450 Fourth Edition, May 5, 2010, Revisions through September 4, 2019: Standard for Motor-Operated Air Compressors, Vacuum Pumps, and CSA C22.2 No. 68-18 August 2018, Update No. 1 — May 2019: Motor-operated appliances (household and commercial)

Prepared By: Su Chaofan



Project Engineer,
DEKRA Testing and Certification (Shanghai) Ltd.

Reviewed By: Zhou Wei



Project Reviewer
DEKRA Testing and Certification (Shanghai) Ltd.