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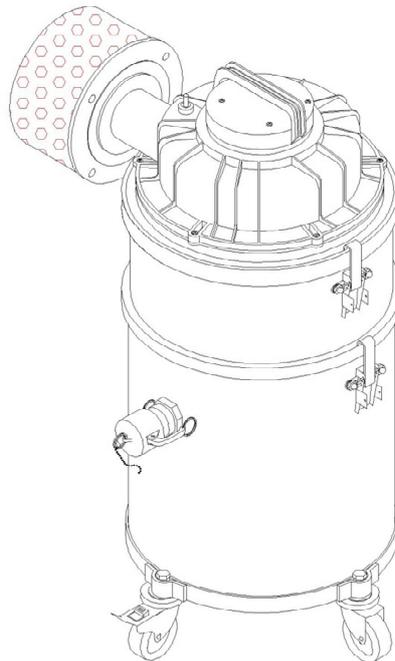
INSTRUCTION MANUAL

MODEL PHARMA

ELECTRICALLY OPERATED

CLEANROOM VACUUM CLEANER SYSTEM

**ULPA FILTRATION 99.999% ON 0.12 MICRON AND 99.9995% ON 0.18 MICRON,
U15 BY MPPS METHOD AS PER EN 1822**



**TO ENSURE A SAFE WORKING ENVIRONMENT,
CAREFULLY READ THE FOLLOWING INSTRUCTIONS
BEFORE OPERATING VACUUM CLEANER SYSTEM
SAVE THE INSTRUCTIONS**

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1.0 INSPECTION

Carefully unpack and inspect your vacuum cleaner for shipping damage. Each vacuum cleaner is tested and thoroughly inspected before being shipped; therefore, any damage is the responsibility of the delivering carrier, who should be notified.

2.0 IMPORTANT SAFETY INSTRUCTIONS

WARNING: THIS VACUUM CLEANER IS INTENDED FOR COMMERCIAL USE ONLY.

WARNING: THIS VACUUM CLEANER IS PROVIDED WITH DOUBLE INSULATION. USE ONLY IDENTICAL REPLACEMENT PARTS. SEE INSTRUCTIONS (6.5) FOR SERVICING OF DOUBLE-INSULATED APPLIANCES.

WARNING: TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK, OR INJURY:

1. the vacuum cleaner is designed for dry recovery only. do not use when rug or floor is wet.
2. to reduce the risk of electrical shock, use indoors only.
3. do not leave vacuum cleaner when plugged in. unplug from outlet when not in use and before servicing.
4. do not allow vacuum cleaner to be used as a toy. close attention is necessary when used near children.
5. use only as described in this manual. use only with recommended attachments.
6. do not use with damaged cord or plug. if vacuum cleaner is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.

7. do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. do not run vacuum cleaner over cord. keep cord away from heated surfaces.
8. do not unplug by pulling on cord. to unplug, grasp the plug, not the cord.
9. do not handle plug or appliance with wet hands.
10. do not put any object into openings. do not use with any openings blocked; keep free of dust, lint, hair and anything that may reduce airflow. poor ventilation will result in overheating of motor.
11. keep hair, loose clothing, fingers and all parts of body away from openings and moving parts.
12. do not pick-up anything that is burning or smoking such as cigarettes, matches or hot ashes etc.
13. do not use without appropriate filters in place.
14. turn off all controls before unplugging.
15. use extra care when cleaning on stairs.
16. do not pick-up flammable or combustible materials and do not use in areas where they may be present.
17. never operate unit unless the power-head is securely fastened to the recovery tank with latches.

3.0 IMPORTANT SAFETY INSTRUCTIONS FOR THE RECOVERY OF TOXIC OR NUISANCE DUST

WARNING: IF VACUUM CLEANER IS USED FOR THE RECOVERY OF TOXIC OR NUISANCE SUBSTANCES SUCH AS: ASBESTOS, SILICA, LEAD, PESTICIDES ETC., THE FOLLOWING SAFETY PRECAUTIONS MUST BE TAKEN.

1. Vacuum cleaner must be equipped with an external ULPA filter.
2. Service and operation should only be carried out by trained personnel wearing appropriate garments and breathing apparatus.
3. Dispose of collected materials responsibly. Follow government regulations for the disposal of hazardous materials.

NOTE: ANY HEALTH HAZARD ASSOCIATED WITH THE USE OF THIS VACUUM CLEANER IN CONJUNCTION WITH THE RECOVERY OF ASBESTOS AND OTHER HAZARDOUS SUBSTANCES HAS NOT BEEN INVESTIGATED.

4.0 FILTRATION SYSTEM

4.1. PHARMA WITH STAINLESS STEEL AISI 316 RECOVERY TANK

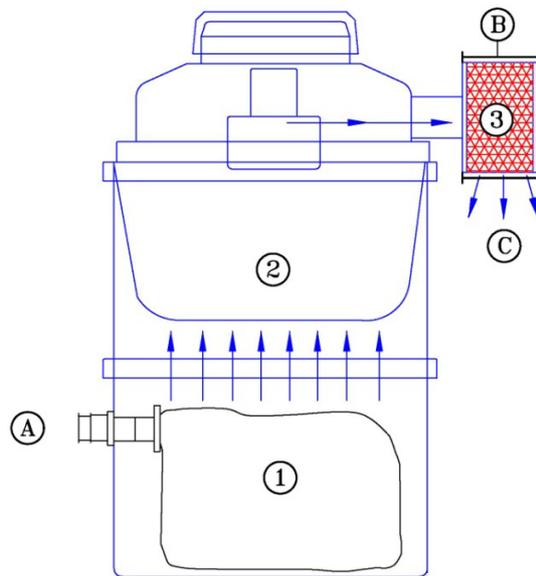


Fig. No. 1

1. Paper filter bag
2. PTFE laminated main cloth filter
3. ULPA filter 99.999% efficiency on 0.12 micron and 99.9995% on 0.18 micron, U15 by MPPS method as per EN 1822

- A. Suction intake
- B. ULPA filter protector housing
- C. Clean air exhaust

4.2. PHARMA WITH SAFE CONTAINMENT CANISTER

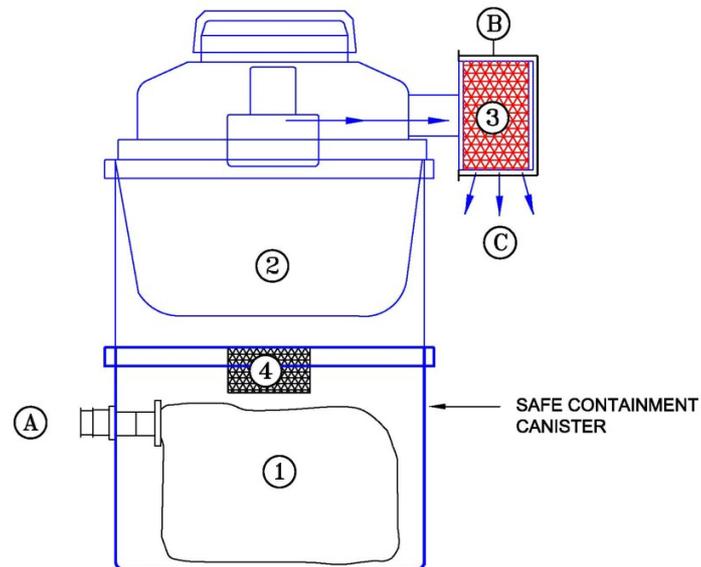


Fig. No. 2

NOTE: THE SAFE CONTAINMENT CANISTER ASSEMBLY IS SOLD AS ONE PIECE. IT INCLUDES ITEMS # A, 1 AND 4. ITEMS # A, 1 AND 4 CANNOT BE SOLD SEPARATELY FROM SAFE CONTAINMENT CANISTER ASSEMBLY.

1. Paper filter bag *
2. PTFE laminated main cloth filter
3. ULPA filter 99.999% efficiency on 0.12 micron and 99.9995% on 0.18 micron, U15 by MPPS method as per EN 1822
4. HEPA filter 99.995% efficiency on 0.3 micron, H14 by MPPS method as per EN 1822*

- A. Suction intake
B. ULPA filter protector housing
C. Clean air exhaust

* THESE ITEMS ARE PART OF THE SAFE CONTAINMENT CANISTER ASSEMBLY. THEY CANNOT BE SOLD SEPARATELY FROM SAFE CONTAINMENT CANISTER ASSEMBLY

5.0 OPERATING PROCEDURE

5.1. PHARMA WITH STAINLESS STEEL AISI 316 RECOVERY TANK

1. Disengage the latches and remove the power head from the filter chamber assembly.
2. Disengage the latches and remove the filter chamber assembly from the recovery tank
3. Connect the paper filter bag (Item 1) to the adaptor inside the recovery tank.
4. Place the filter chamber assembly on the recovery tank and fasten the lid with the latches
5. Place cloth filter (Item 2) on the filter chamber assembly.
6. Place the power head on the filter chamber assembly and fasten the lid with the latches.
7. Plug in the power cord into an appropriate electrical outlet.
8. Connect suction hose to the recovery tank.
9. Attach desired tools to the hose. Use only the recommended cleaning tools supplied with each unit.
10. When the unit is to be turned on, the operator should be within close proximity to a return air chase.
11. To operate unit, depress switch to ON position
12. To shut off unit, depress switch to OFF position. Disconnect power cord when not in use.

WARNING: **THE ELECTRIC MOTOR HAS AN AUTOMATIC THERMAL OVERLOAD PROTECTOR. IF THE MOTOR OVERHEATS FOR ANY REASON, THE THERMAL OVERLOAD PROTECTOR WILL SHUT OFF THE MOTOR. THE MOTOR MUST BE ALLOWED TO COOL BEFORE RESTARTING.**

5.2. PHARMA WITH SAFE CONTAINMENT CANISTER

1. Disengage the latches and remove the power head from the filter chamber assembly.
2. Place cloth filter (Item 2) on the filter chamber assembly.
3. Place the power head on the filter chamber assembly and fasten the lid with the latches.
4. Plug in the power cord into an appropriate electrical outlet.
5. Connect suction hose to the recovery tank.
6. Attach desired tools to the hose. Use only the recommended cleaning tools supplied with each unit.
7. When the unit is to be turned on, the operator should be within close proximity to a return air chase.
8. To operate unit, depress switch to ON position
9. To shut off unit, depress switch to OFF position. Disconnect power cord when not in use.

WARNING: **THE ELECTRIC MOTOR HAS AN AUTOMATIC THERMAL OVERLOAD PROTECTOR. IF THE MOTOR OVERHEATS FOR ANY REASON, THE THERMAL OVERLOAD PROTECTOR WILL SHUT OFF THE MOTOR. THE MOTOR MUST BE ALLOWED TO COOL BEFORE RESTARTING.**

6.0 MAINTENANCE

WARNING: **SERVICING OTHER THAN THAT WHICH IS DESCRIBED IN THIS MANUAL SHOULD BE PERFORMED BY AN AUTHORIZED SERVICE REPRESENTATIVE.**

6.1. CLEANUP PROCEDURE OF PHARMA CLOTH FILTER

Clean the cloth filter of PHARMA periodically. A clogged filter restricts the airflow and reduces the vacuum's performance. The cloth filter may be washed in lukewarm water.

NOTE: **ENSURE THAT CLOTH FILTER IS COMPLETELY DRY BEFORE REINSTALLATION IN VACUUM CLEANER.**

6.2. CLEANUP PROCEDURE OF PHARMA WITH STAINLESS STEEL AISI 316 RECOVERY TANK AFTER USE

1. Disconnect power cord from electrical outlet.
2. Disengage latches and remove power head from recovery tank.
3. Empty collected materials into suitable container.
4. Paper filter bags may not be reused once full, they must be discarded.

6.3. SAFE CONTAINMENT CANISTER DISPOSAL AND REPLACEMENT

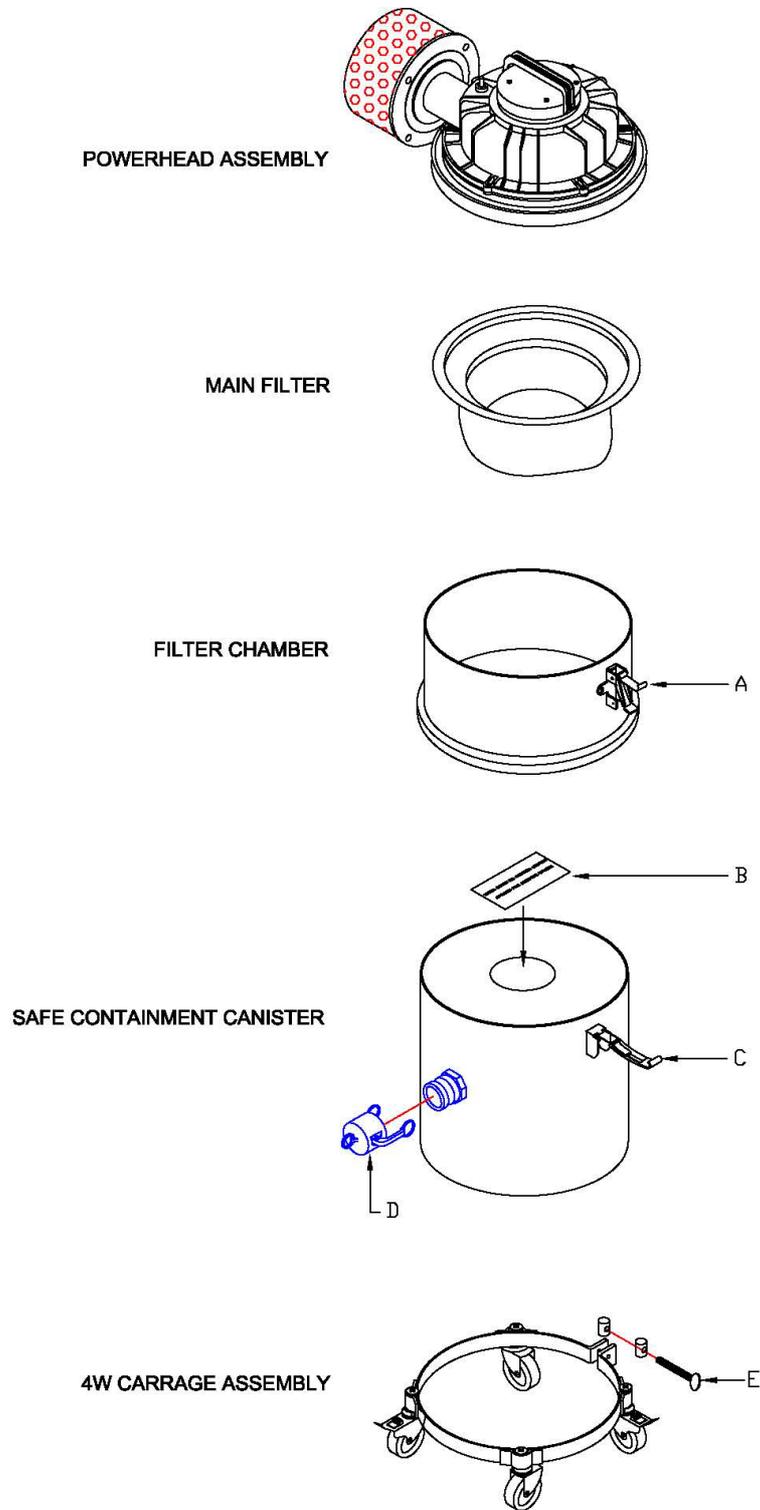


Fig. No. 3

6.3.1. DISPOSAL OF PHARMA SAFE CONTAINMENT CANISTER

1. Disconnect power cord from electrical outlet
2. Tighten dust cap (**See "D" on Fig. No 3**) on suction intake of the safe containment canister
3. Loosen the 4W carriage assembly by untightening spade-head thumb screw (**See "E" on Fig. No. 3**)
4. Disengage latches (**See "A" on Fig. No. 3**) and remove power head from filter chamber assembly.
5. Disengage latches (**See "C" on Fig. No. 3**) and remove filter chamber assembly from safe containment canister.
6. Use the supplied adhesive label (**See "B" on Fig. No. 3**) to seal the top of the safe containment canister prior to disposal.
7. Dispose of entire safe containment canister when full. Safe containment canister cannot be reused once full.
8. Dispose of safe containment canister responsibly. Follow applicable government regulations for the disposal of hazardous materials

6.3.2. REPLACEMENT OF PHARMA SAFE CONTAINMENT CANISTER

1. Place new safe containment canister on 4W carriage assembly and tighten spade-head thumb screw (**See "E" on Fig. No. 3**)
2. Place cloth filter in filter chamber
3. Place filter chamber assembly on safe containment canister and engage latches. (**See "C" on Fig. No. 3**)
4. Place power head on filter chamber assembly and engage latches (**See "A" on Fig. No. 3**)

6.4. STORAGE

After servicing, turn off all controls before unplugging. Do not leave vacuum cleaner when plugged in. When unplugged from outlet gently roll up the cord to avoid damage.

PHARMA with stainless steel AISI 316 recovery tank

It is recommended that the inside of the recovery tank be cleaned before storing the vacuum. The inside of the recovery tank should be dry at all times.

PHARMA with safe containment canister

The suction intake of the safe containment canister must be closed using the storage cap provided with the vacuum cleaner.

6.5. ULPA FILTER REPLACEMENT

An ULPA filter is designed for filtration of ultra fine particles. A clogged ULPA filter will reduce the airflow thereby reducing the vacuum's performance thus requiring replacement.

The life of the ULPA filters depends greatly on the use of the vacuum cleaner. It is recommended that the ULPA filter be replaced once a year if the vacuum cleaner is used intensively (daily). The filter can be replaced every two years if the vacuum cleaner is used less frequently (two or three times per week).

WARNING: IF VACUUM IS USED FOR THE RECOVERY OF TOXIC MATERIALS PROPER CLOTHING AND THE USE OF AN APPROPRIATE BREATHING APPARATUS IS NECESSARY WHEN SERVICING THE ULPA FILTER HOUSING OR ANY OTHER CONTAMINATED PART OF THE UNIT.

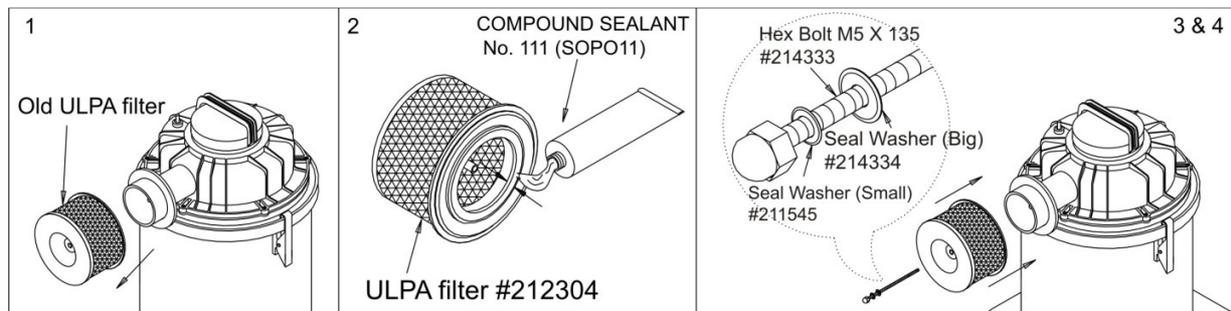


Fig. No. 2

1. Disconnect the power cord from the electrical outlet.
2. Unscrew the bolt, which holds the ULPA filter in place (See No. 3 on Fig. No. 2 above). Remove the old ULPA filter and dispose of according to government regulations. (If applicable).

3. Apply the compound sealant to the inside lip on the rubber side of the new ULPA filter (See No. 2 on Fig. No. 2 above).
4. Place the new ULPA filter, rubber side down, back onto the arm of the vacuum cleaner.
5. Tighten the new ULPA filter onto the arm using the Hex Bolt M5 X 135 with the 2 seal washers (1 big and 1 small) in place (See No. 4 on Fig. No. 2 above)
6. Make sure not to over tighten the Hex Bolt as this can damage the frame of the new ULPA filter.

6.6. SERVICING OF DOUBLE-INSULATED APPLIANCES

A double-insulated appliance is marked with one or more of the following: The words “DOUBLE INSULATION” or “DOUBLE INSULATED” or the double insulation symbol (square within a square)



In a double-insulated appliance, two systems of insulation are provided instead of grounding. No grounding means is provided on a double-insulated appliance, nor should a means for grounding be added to the appliance. Servicing a double-insulated appliance requires extreme care and knowledge of the system, and should be done only by qualified service personnel. Replacement parts for a double-insulated appliance must be identical to the parts they replace.

7.0 EU DECLARATION OF CONFORMITY



Integrated
Professional
Cleaning

EU DECLARATION OF CONFORMITY

IPCleaning S.r.l.,

Via E. Fermi 2, 26022 Castelveverde (Cremona) , Italia

Declares on its own responsibility that the following equipment:

**Industrial ULPA filtered Vacuum Cleaner System, for Dry Recovery,
In Contamination controlled Environments, including Accessories,**

Model:

PHARMA

Complies with the electrical safety requirements, as they are expressed in:

- **THE MACHINERY DIRECTIVE 2006/42/EC**

Compliance has been obtained by application of the following standards:

- **EN 60204-1: 2006 and its Amendment A1: 2009**
- **EN 60335-1: 2012**
- **EN 60335-2-69: 2012**

- **THE LOW VOLTAGE DIRECTIVE 2014/35/EU**

Compliance has been obtained by application of the following standard:

- **EN 60335-2-2: 2010 and its amendments A11: 2012 and A1: 2013**

- **THE ELECTROMAGNETIC COMPATIBILITY DIRECTIVE 2014/30/EU**

Compliance has been obtained by application of the following standards:

- **EN 61000-6-1:2007**
- **EN 61000-6-3:2007 and its Amendment A1: 2011**

Subject to use for the purpose for which it was designed in accordance with relevant standards and with the manufacturer's recommendations. We, the undersigned, hereby declare that the equipment specified above conforms to the listed Directives and standards

Castelveverde, 11/09/18

Legal Representative
Federico De Angelis

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