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Operator & Parts Manual

Dual Motor Vacuum Cleaner



IW80

The Peoples COMPANY

2400021
REV.04(06-2014)

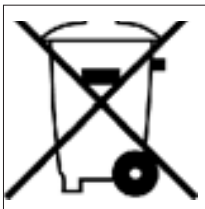
INTERNATIONAL CLEANING EQUIPMENT

READ OPERATOR MANUAL CAREFULLY

IMPORTANT:To ensure full warranty protection,Please fill out & return your warranty card.

Please fill out at time of installation for future reference.
Model No. _____
Serial No. _____
Machine Options _____
Sales Rep. _____
Sales Rep. phone no. _____
Customer ID Number _____
Installation Date _____

HOW TO ORDER PARTS
Only use ICE Company supplied or equivalent parts. Parts and supplies may be ordered online,by phone, by fax or by mail.
1. Identify the machine model.
2. Identify the machine serial number from the data label.
3. Ensure the proper serial number is used from the parts list.
4. Identify the part number and quantity.
Do not order by page or reference numbers.
5. Provide your name, company name, customer ID number,billing and shipping address, phone number and purchase order number.





PROTECT THE ENVIRONMENT
Please dispose of packaging materials,old machine components such as batteries,
hazardous fluids, including antifreeze and oil, in an environmentally safe way according to local waste disposal regulations.
Always remember to recycle.

International Cleaning Equipment
XiangShi Road, LiaoBu, DongGuan, GuangDong, China
Tel:0769-8186 9000
Fax:0769-8186 3000

Specifications and parts are subject to change without notice.

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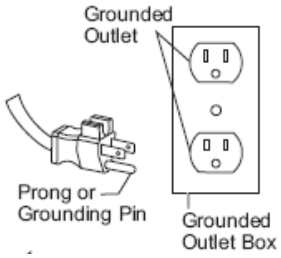
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SAFETY PRECAUTIONS

Carefully read and understand this manual before operating this machine.
This machine must be grounded!

This scrubbing machine shall be grounded while in use to protect the operator from electric shock.Grounding provides a path of least resistance for electric current. This machine is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. Do not remove the ground pin under any circumstances.

This machine is for use on a nominal 220 ~ volt circuit and has a grounding plug that resembles the plug illustrated in Figure. Make sure that the machine is connected to an outlet having the same configuration as the plug. No adapter should be used with this machine.



This machine is intended for commercial use. It is constructed for use in an indoor environment and is nor intended for any other use. Use only recommended accessories.

1. Do not operate machine:
– Unless trained and authorized.
– In flammable or explosive areas.
– With a damaged cord or plug
– If not in proper operating condition.
– Unless you have read and understood the operator's manual.
– With the use of extension cords.
– In outdoor areas and standing water.

2. Before operating machine:
– Make sure all safety devices are in place and operating properly.

3. When using machine:
– Do not run machine over cord.
– Do not pull cord around sharp edges or corners.
– Do not handle plug with wet hands.
– Report machine damage or fault operation immediately.
– Do not pull machine by cord or plug.
– Do not unplug by pulling on the cord.
– Do not stretch cord.
– Keep cord away from heated surfaces.

4. Before leaving or servicing machine:
– Turn off machine.
– Unplug cord from outlet.

5. When servicing machine:
– Unplug cord from outlet.
– Use manufacturer supplied or approved replacement parts.

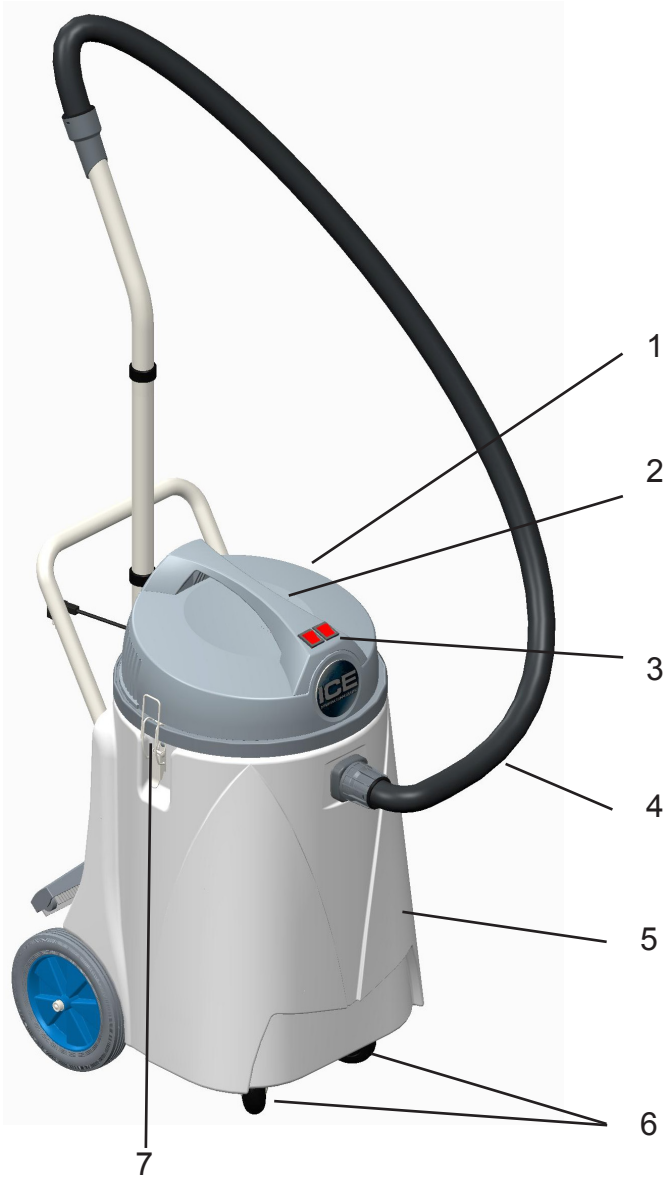
To avoid electrical shock,please replace the power cord immediately if any damage is being detected. The replacement must be performed only by an authorized person or by our customer service center.

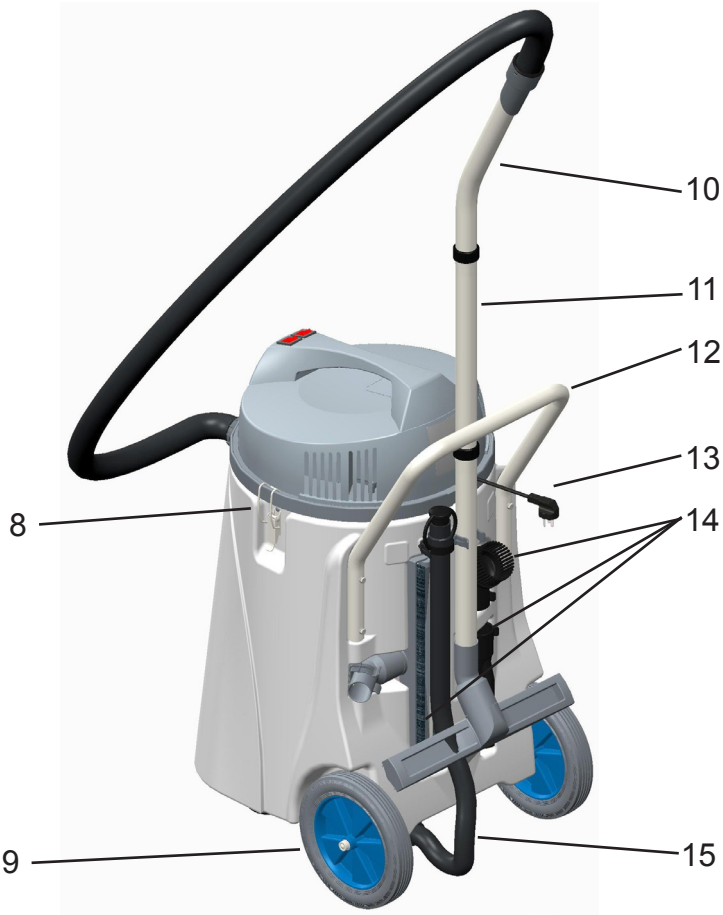
Flammable materials can cause explosion or fire. Do not use flammable materials in tanks or pick them up.

MACHINE COMPONENTS

Machine Structure

1. Power head
2. Handle
3. On / off switch
4. Vacuum hose
5. Tank
6. Castor
7. Clamp, right
8. Clamp, left
9. 10" wheel
10. Curving tube
11. Straight tube
12. Machine handle
13. Power cord
14. Accessories
15. Drain hose





MACHINE SET UP & INSTALLATION

UNPACK MACHINE:

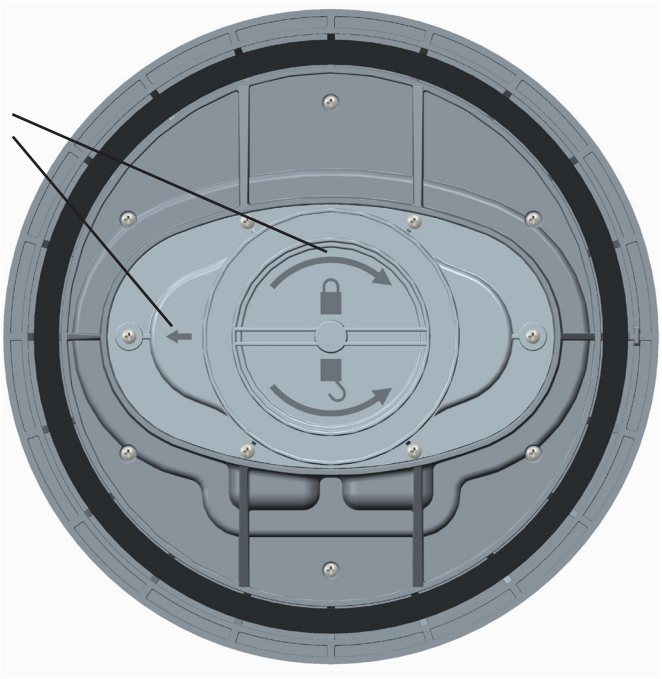
Be sure and check packing carton for any damage. Immediately report any damage to carrier. Be careful not to let machine vibrate while carrying, Check contents of package to ensure that the following items are included: machine, accessories.

MACHINE SET UP & PRE-OPERATION CHECKS:

1) Sweep the outside of the machine.
2) Make sure the voltage of machine conform to local voltage.
3) Check that float shut-off or dust filter is properly installed.

NOTE: The float shut-off should be installed like the picture below.

The float shut-off should be installed like this.



MACHINE OPERATION

Do not operate machine unless you have read and understood this manual.

WET OPERATION

1) Make sure that the tank is emptied of any dry dust before using the machine for wet pick-up.
2) Remove the power head, check to make sure that the float shut-off is installed and fully functional.
3) Install the power head back and connect vacuum hose to inlet on the machine body.
4) Attach appropriate accessory tool for the job to be completed.
5) Make sure the switches are in the OFF position, then plug power cord into a grounded outlet.

Do not use an extension cord in conjunction with the standard power cord.

6) Turn power switch to "on" position.
7) Use the appropriate tool to pick up the water.
8) During wet pickup, the float shut-off will automatically prevent water from entering the tank once the tank is full.

If foam develops in the tank during wet vacuuming, use defoamer chemical to help eliminate the foam. Foam will not activate the float shut-off, and therefore, may cause vacuum motor damage.

DRY OPERATION

1) If the machine has been used for wet pick-up, empty the tank first. Rinse it out and dry it completely and install the dry container system. Do not use the machine for dry pick-up without the dry container system in place.
2) Remove the power head, make sure the dust bag and filter is properly installed.

Do not operate machine to vacuum dust without filter properly installed.

3) Replace the power head and connect vacuum hose to inlet on the machine body.
4) Attach appropriate accessory tool for the job to be completed.
5) Make sure the switches are in the OFF position, then plug power cord into a grounded outlet.

Do not use an extension cord in conjunction with the standard power cord.

6) Turn power switch to "on" position.
7) Use the appropriate tool to pick up the dust.
8) Check the filter bag periodcally to see if it is full. For optimal performance, replace the bag when it is 3/4 full.

DRAINING THE TANK

1) Unplug machine from power outlet.
2) Transport machine to nearest floor drain or bucket.
3) Remove drain hose from the rear of machine. Remove the ball plug from the hose, then drain the dirty water from the tank.
4) After the water have drained, remove the power head and rinse the tank with clean water.
5) Reposit the power head. Replace the ball plug on the drain hose and hang hose back on the rear of the machine.

To prevent odors in the tank, remove the power head when machine is not used to allow air to circulate.

PREVENTATIVE MAINTENANCE

To keep the machine performing well for many years, please follow the following maintenance procedures.

Before performing any maintenance on the machine, be sure that the power is turned off and the cord is unpluged.

Repairs are to be completed by Authorized Service Centers only. Any repairs completed by unauthorized persons will void the warranty.

1) Unplug machine as soon as you are done using it.
2) Check power cord for any damage. Replace the cord immediately if any damage is detected.
3) Lubricate casters with a water resistant lubricant every month.
4) Check machine for loose or missing nuts and bolts, replace them if necessary.
5) Check the filter, and clean it after each use.
6) Check the vacuum hose for any holes and clogs.
7) Clean the outside of the machine with a mild cleaner.

Note: The carbon brushes of the motors may need to replace due to normal wear and tear caused by using the machine overtime. They can only replaced by authorized distributor.

MACHINE STORAGE

1) Unplug machine from power source and wrap the cord on the right clamp.
2) Reposit all the accessories.
3) Store in upright position in a dry area.
4) Store with the power head moved if necessary so the tank may breathe.

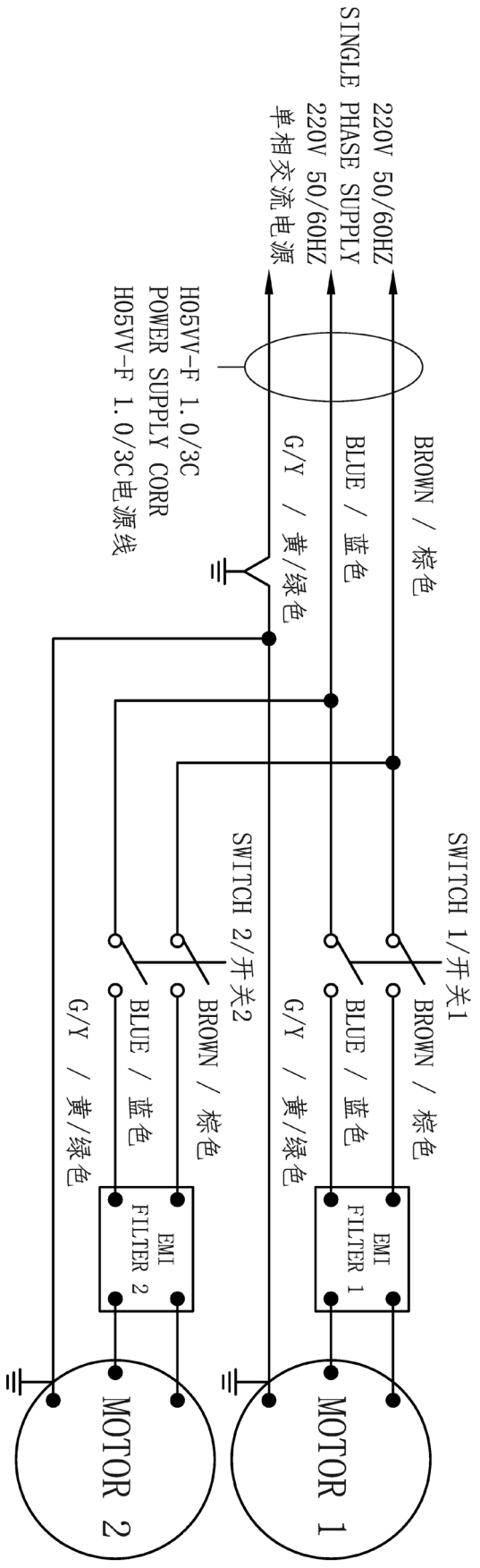
BASIC TROUBLESHOOTING/ 简单故障排除

PROBLEM/ 问题	CAUSE/ 原因	SOLUTION/ 解决办法
No Power / 机器不工作	The wiring not connected correctly or bad wiring/ 线路连接不正确或损坏	Check the wiring or contact ICE Distributor / 检查线路或联系 ICE 经销商
	Bad vacuum motor/ 电机损坏	Contact ICE Distributor/ 联系 ICE 经销商
	Carbon brushes worn out/ 碳刷磨损	Contact ICE Distributor/ 联系 ICE 经销商
Little or no air flow / 流量小或没有流量	The power head not placed correctly / 机头没有正确放好	Make sure the power head is placed appropriately/ 确定机头已经正确放好
	Tank is full or dust bag is full / 污水桶已满或尘袋已装满	Drain the tank or replace the dust bag / 排干污水桶或更换尘袋
	The vacuum hose is broken or clogged/ 吸管损坏或堵塞	Check the hose，replace it if necessary / 检查吸管，必要时更换

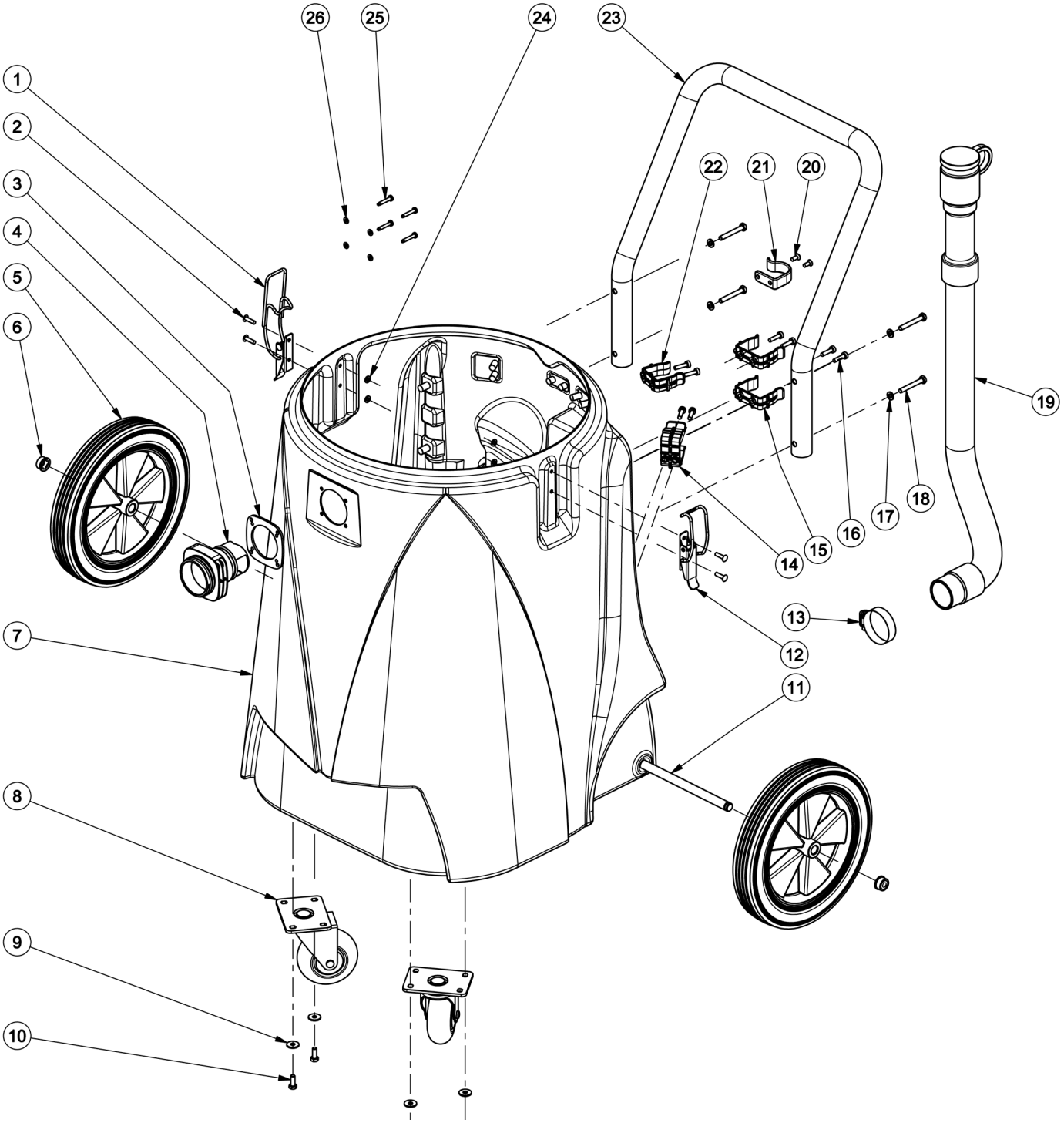
TECHNICAL SPECIFICATION / 技术数据

ITEM/ 项目	UNITS/ 单位	DATA
Model / 型号	-	IW80
Voltage / 电压	Volt / 伏特	220 ～ 240
Power / 功率	W / 瓦	2000
Current / 电流	Amp / 安培	9
Frequency / 频率	Hz / 赫兹	50 ～ 60
Capacity / 净容量	Liter / 升	80
Vacuum / 真空度	mmH_2O	2600
Flow rate / 流量	L/Min / 升 / 分	5880
Noise Level / 噪音等级	dB(A) / 分贝	72
Weight / 重量	Kg / 千克	32.5
Power cord length / 电源线长度	M / 米	10
Dimensions / 机器尺寸	MM / 毫米	610×515×960

WIRING DIAGRAM / 电路图



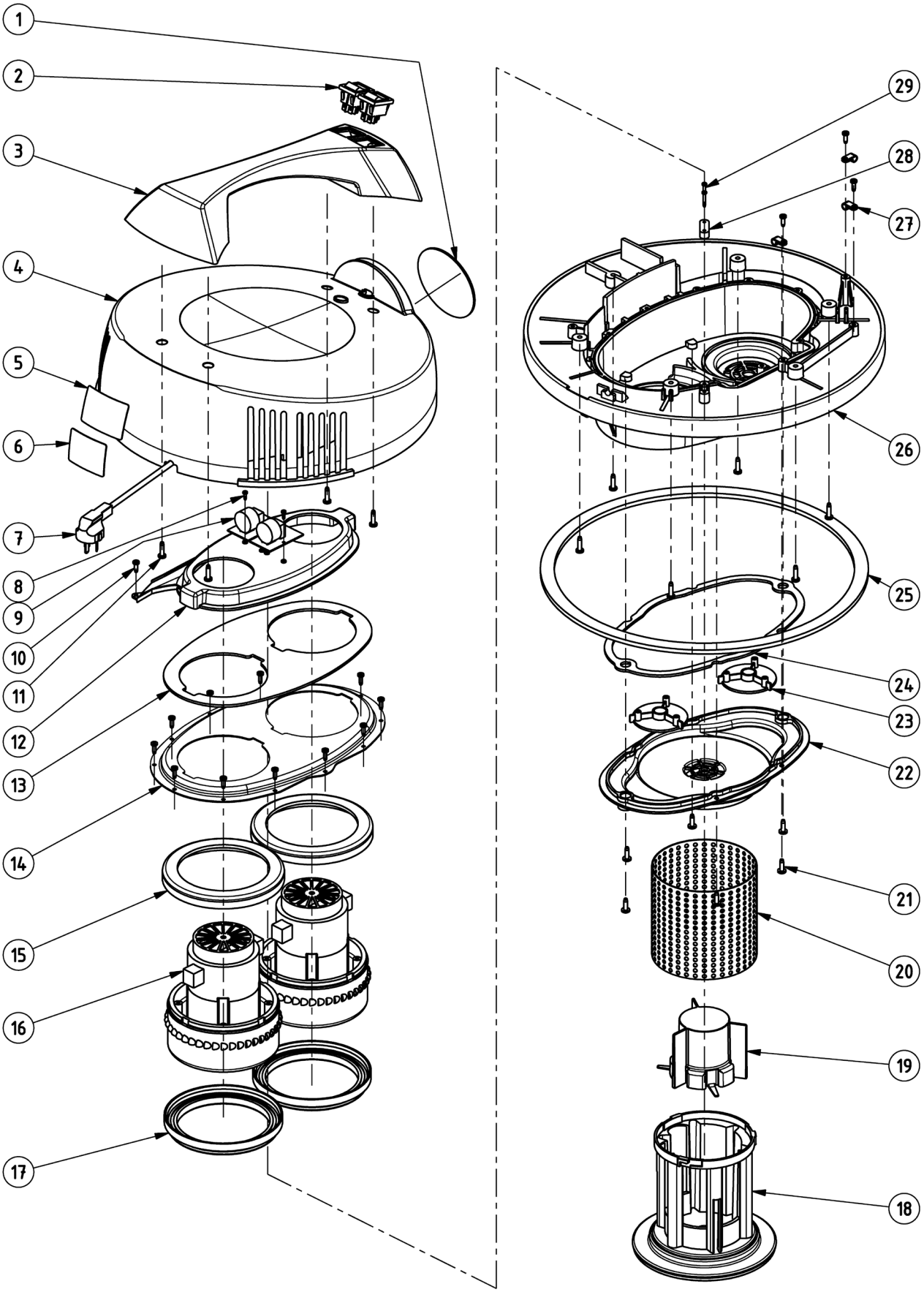
TANK ASSEMBLY/ 桶身组件



TANK ASSEMBLY / 桶身组件

DIA NO	PART NUMBER	DESCRIPTION		NO REQ'D
1	2120211	CLAMP, RIGHT	右搭扣	1
2	1662518	RIVET	铝拉钉	4
3	2020202	GASKET	密封垫	1
4	2020203	HOSE HOUSING	吸管座	1
5	2320228	10" WHEEL	10″ 后大轮	2
6	6110011	SHAFT CAP	轴盖帽	2
7	2420001	TANK	污水桶	1
8	2320210	3.5" CASTER	3.5″ 万向轮	2
9	1421618	PLAIN WASHER 6×18×1.6, SS	不锈钢平垫圈 6×18×1.6	4
10	1021616	HEX HEAD SCREW M6×16, SS	不锈钢六角头螺栓 M6×16	4
11	2410011	WHEEL SHAFT	轮轴	1
12	2120205	CLAMP, LEFT	左搭扣	1
13	1962050	HOSE CLAMP	喉箍 27-51mm	1
14	6210111	TUBE CLAMP	吸耙夹	1
15	2310129	TUBE CLAMP	尘扫夹	2
16	1221520	PH SCREW M5×20	不锈钢十字盘头螺钉 M5×20	8
17	1411612	PLAIN WASHER 6×12×1.6, SS	平垫圈 6×12×1.6	4
18	1021645	HEX HEAD SCREW M6×45, SS	不锈钢六角头螺栓 M6×45	4
19	8011030	DRAIN HOSE	放污管	1
20	1222512	SUNK HEAD SCREW M5×12, SS	不锈钢十字沉头螺钉 M5×12	2
21	2420012	TUBE CLAMP	钢管夹	1
22	2420003	TUBE CLAMP	钢管夹	1
23	2420002	HANDLE	扶手	1
24	1421510	PLAIN WASHER 5×10×1, SS	不锈钢平垫圈 5×10×1	4
25	1321225	PH SELF-TAPPING SCREW ST4.2×25	十字盘头自攻螺钉 ST4.2×25	4
26	1421409	PLAIN WASHER 4×9×0.8, SS	不锈钢平垫圈 4×9×0.8	4

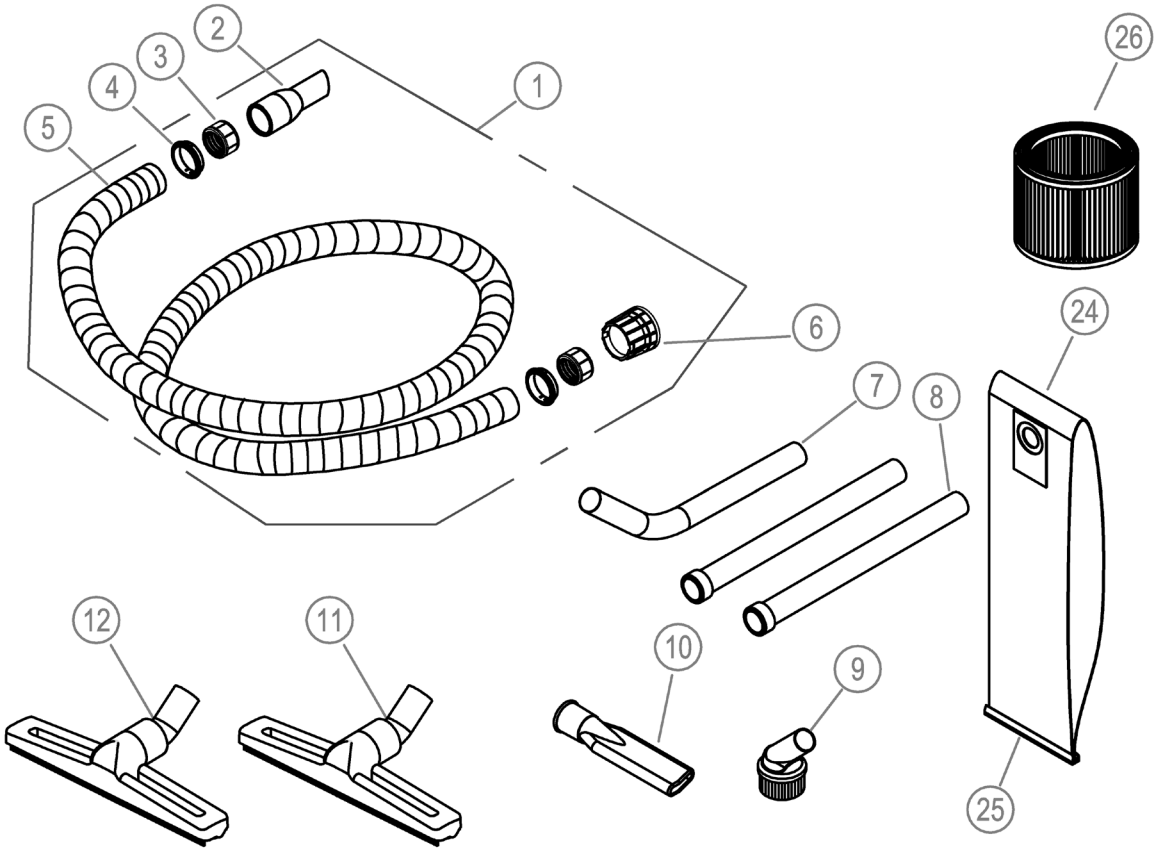
POWER HEAD ASSEMBLY/ 机头组件

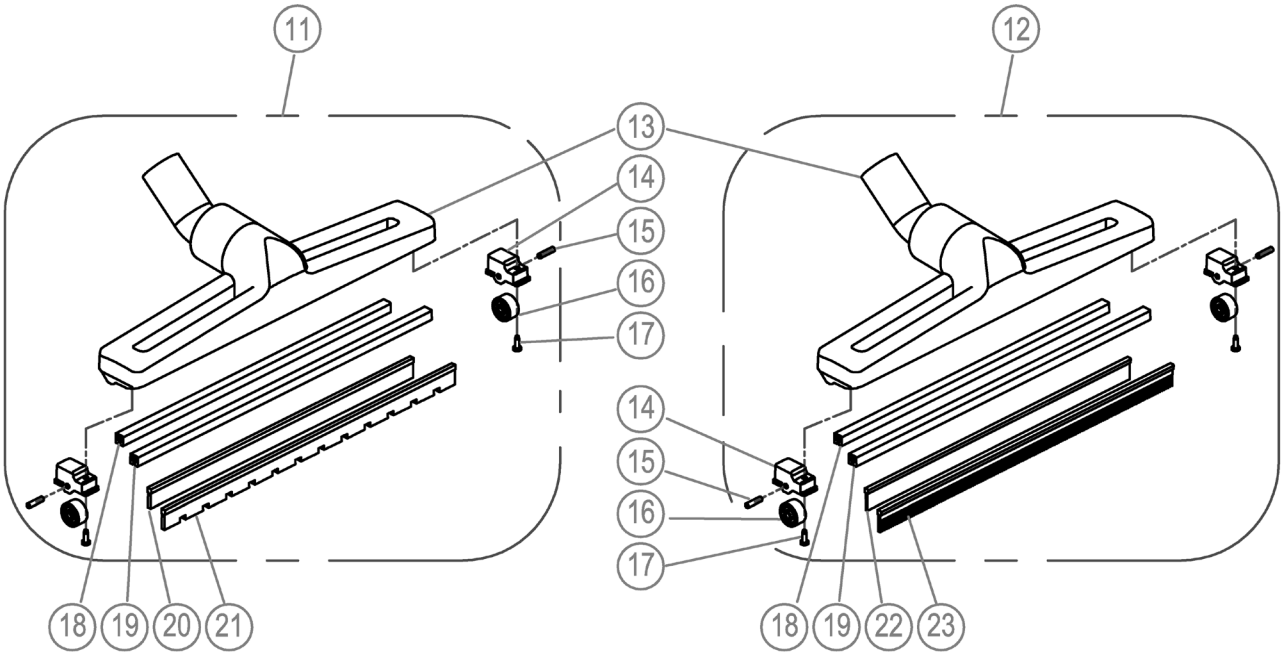


POWER HEAD ASSEMBLY / 机头组件

DIA NO	PART NUMBER	DESCRIPTION		NO REQ'D
1	4010316	"ICE" LOGO	“ICE”标牌	1
2	2110108	SWITCH	无灯单联开关带防水罩	2
3	2430011	HANDLE	机头提手	1
4	2430012	COVER	机头罩壳	1
5	2030409	WARNING DECAL	警告贴纸	1
6	2430021	SERIAL DECAL	连续号贴纸	1
7	2430013	POWER CORD	电源线	1
8	1311009	SELF-TAPPING SCREW ST2.9×9.5	十字盘头自攻螺钉 ST2.9×9.5	2
9	2430031	EMI PARTS	EMI 元件	2
10	1321213	SELF-TAPPING SCREW ST4.2×13	十字盘头自攻螺钉 ST4.2×13	16
11	1321319	SELF-TAPPING SCREW ST4.8×19,SS	十字盘头不锈钢自攻螺钉 ST4.8×19	10
12	2430006	MOTOR COVER	吸力泵电机罩	1
13	2430007	GASKET	密封垫	1
14	2430005	FIXING PLATE	吸力泵压板	1
15	2430009	CUSHION, UP	上减震垫	2
16	2110115	VACUUM MOTOR	双叶湿吸力泵	2
17	2010103	CUSHION, DOWN	下减震圈	2
18	2110112	FLOAT CAGE	浮球架	1
19	2110113	FLOAT	浮球	1
20	2110116	FILTER	不锈钢滤网	1
21	1321316	SELF-TAPPING SCREW ST4.8×16,SS	十字盘头不锈钢自攻螺钉 ST4.8×16	6
22	2430001	CAGE HOUSING	浮球滤网座	1
23	2430014	STOPPING PLATE	封气盘	2
24	2430008	GASKET	密封垫	1
25	2430002	GASKET	密封垫	1
26	2430004	MOTOR HOUSING	吸力泵座	1
27	2320236	WIRE CLIP	电线固定夹	3
28	2010114	WIRE CLAMP	压线块	1
29	1311016	SELF-TAPPING SCREW ST2.9×20	工字槽盘头自攻螺钉 ST2.9×20	2

ACCESSORIES / 附件





ACCESSORIES / 附件

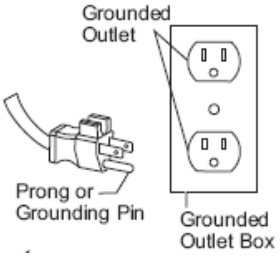
DIA NO	PART NUMBER	DESCRIPTION		NO REQ'D
1	2420010	VACUUM HOSE ASSY	吸管总成	1
2	2230124	ANGELED HOSE END, 38mm	喉管长吸嘴	1
3	2230122	THREADED INSERT	1.5″ 软管封头螺母	2
4	2230123	CLIP RING	2″ 软管接头锁紧圈	2
5	2230125	HOSE	喉管	1
6	2230121	HOSE END	连接端驳	1
7	2230115	WAND	不锈钢吸管（弯）	1
8	2230116	STEEL TUBE, SS	不锈钢吸管	2
9	2230126	DUSTING TOOL(OPTIONAL)	尘扫（可选）	1
10	2230127	CREVICE TOOL(OPTIONAL)	长耙（可选）	1
11	2421035	DRY PICK-UP TOOL, 430mm(OPTIONAL)	吸尘耙总成，430㎜（可选）	1
12	2421030	WET PICK-UP TOOL, 430mm	吸水耙总成，430㎜	1
13	2421024	BODY, PICK-UP TOOL, 430mm	430㎜ 耙体，黑色	2
14	2421019	WHEEL HOUSING	1″ 轮支架	4
15	2421031	AXLE, WHEEL	滚轮芯轴	4
16	2421033	WHEEL	1″ 轮	4
17	1321213	PH AUTO TAPPING SCREW ST4.2×13	十字盘头自攻螺钉 ST4.2×13	4
18	2421017	CLIP, SHORT	短夹条	2
19	2421018	CLIP, LONG	长夹条	2
20	2421015	BRUSH STRIP, BACK	后毛刷条	1
21	2421014	BRUSH STRIP, FRONT	前毛刷条	1
22	2421022	RUBBER STRIP, BACK	后吸水胶条	1
23	2421021	RUBBER STRIP, FRONT	前吸水胶条	1
24	2420004	CLOTH BAG (OPTIONAL)	布尘袋（可选）	1
25	2330131	CLIP, CLOTH BAG (OPTIONAL)	布尘袋夹条（可选）	1
26	2110118	FILTER (OPTIONAL)	过滤器（可选）	1

安 全 预 防

在使用本机器前请仔细和理解操作手册！
本机必须接地！

为减少机器因故障而引起的触电危险，本机电源线插头带有一接地插脚，任何情况下不得去除该插脚。

本机使用额定交流 220 伏电路和有接地插头的供电系统。其结构类似于附图。确保本机连接到具有相同配置的插头插座，并且不要使用适配器。



本机仅作商业用途，并限于户内使用。务必使用推荐的附件，操作者应阅读、理解并掌握以下安全预防措施：

1、以下情况下不得操作本机：
- 未经培训和取得相应资格；
- 未仔细阅读和理解操作手册；
- 在易燃易爆场所；
- 电源线或插头损坏；
- 机器存在问题不适合操作；
- 在户外时；
- 在水中；
- 使用延长线；

2、操作机器前：务必确保所有安全装置动作正常；

3、使用机器时：
- 不得碾压电线；
- 不得靠牵拉电线的方式移动机器；
- 不得将电线置于物件锋利的边、角；
- 不得用拉电线的方式拔取插头；
- 切勿用湿手拔取插头；
- 始终使电源线远离发热的物件表面；
- 应立刻报告机器任何之异常及损坏情况；

4、离开机器或进行维护前：务必关机并拔下电源插头；

5、进行维护时：
- 应拔下电源插头；
- 使用制造商推荐或认可的配件；

储存时 :1、拔下电源插头；2、取下针座或刷盘；3、直立存放于干燥的场所；

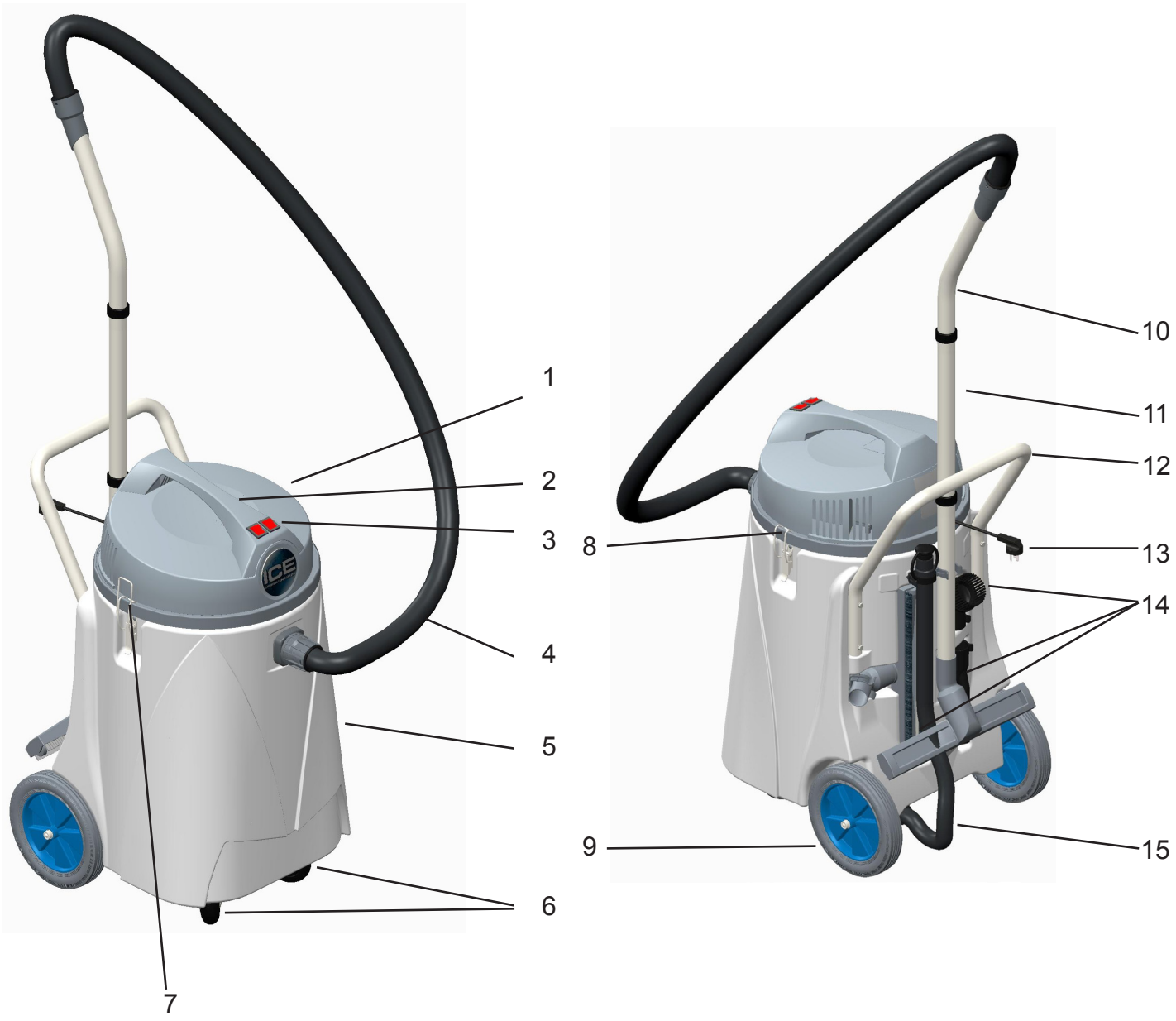
如果电源软线损坏，为了避免危险，必须由制造商、其维修部或类似部门的专业人员更换。

可燃性的材料可能会导致爆炸或起火，不要在容器里使用可燃性材料或拾取这些材料。

机 器 组 件

机器结构

1. 机头
2. 提手
3. 开关
4. 吸管
5. 污水桶
6. 万向轮
7. 右搭扣
8. 左搭扣
9. 10 吋轮
10. 弯管
11. 直管
12. 机器扶手
13. 电源线
14. 附件
15. 放污管



机器调试及安装

机器拆包：

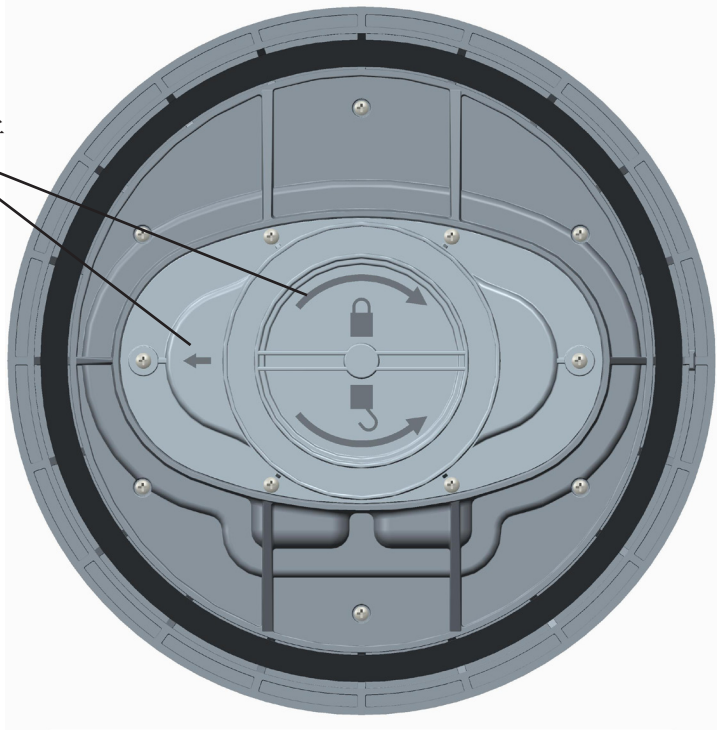
拆包前请仔细检查包装箱，如有损坏，请立即反馈给货物运输者，拆包和搬运过程中要小心，不要让机器承受剧烈震动。检查包装内是否有如下物品：
机器；附件。

机器准备及操作前检查：

1) 清扫机器外部。
2) 确定机器的额定电压与使用当地的电压相符。
3) 检查浮球关闭装置或粉尘过滤器已经正确安装。

注意：浮球关闭装置正确装好后应该如下图所示。

浮球关闭装置安装好后箭头应如图所示



机 器 操 作

除非你已经阅读和理解了本说明书，否则请不要操作机器。

吸水操作：

1) 吸水操作前，请确定桶已经清空粉尘等而且是干燥的。
2) 移开机头，检查浮球关闭装置是否装好而且功能正常。
3) 装好机头，将吸管安装到机器上的接口。
4) 根据将要完成的工作，在吸管末端装好合适的附件。
5) 确定开关处于“关”的位置，再将电源插头插入带有接地的插座上。

使用机器自带的标准电线，不要使用延长电线。

6) 将开关打到“开”的位置。
7) 使用合适的工具吸水。
8) 在吸水过程中，一旦桶已经装满，浮球关闭装置将会自动动作以防止水再进入桶中。

如果吸水时桶里产生了泡沫，请使用消泡剂消除泡沫。泡沫不会激活浮球关闭装置，而且有可能会损坏吸力泵电机。

吸尘操作：

1) 如果机器之前被用于吸水，首先必须放干水桶并用清水洗干净。待其彻底干燥后再安装吸尘袋等。在吸尘袋、过滤器等吸尘装置被妥善安装前，不要使用机器吸尘。
2) 移开机头，确定尘袋和过滤器已经正确安装好。

如果没有安装合适的过滤器，机器将不可用于吸尘。

3) 将机头装回原位，把吸管连接到机器的接口上。
4) 根据将要完成的工作，在吸管末端装好合适的附件。
5) 确定开关处于“关”的位置，再将电源插头插入带有接地的插座上。

使用机器自带的标准电线，不要使用延长电线。

6) 将开关打到“开”的位置。
7) 使用合适的工具吸尘。
8) 定期检查吸尘袋是否装满。在尘袋装满 3/4 时，最好更换它。这样可保持最佳使用效果。

排干污水桶：

1) 将电源线从插座上拔下。
2) 将机器推到指定的排放点或使用水桶。
3) 从机器后部取下放污管，取下其末端的堵头。即可排干污水桶。
4) 污水排干后，移开机头，用清水将污水桶清洗干净。
5) 装回机头。将堵头装回放污管末端，然后将放污管挂回到机器后部的夹子上。

为了避免产生异味，不使用机器时，可将机头移开，这样污水桶内的空气可以流通。

预防性维护保养

为了使机器可以在良好的状态下使用多年，请遵循如下的保养步骤。



进行任何的保养步骤前，确保机器处于关闭状态，而且电源插头已经从插座上拔下。



维修只能由授权的服务中心来完成，未经授权的维修会使保修失效。

1) 机器一旦使用完就拔下电源插头。
2) 检查电源线是否有破损，如果有，请立即更换电源线。
3) 每个月用防水润滑脂润滑万向轮至少一次。
4) 检查机器是否有松动的螺母和螺栓，必要时更换。
5) 检查过滤器，每次使用完后都要清理干净。
6) 检查吸管是否有破损和堵塞。
7) 使用中性洗涤剂清洁机器外部。

注意：马达的碳刷在使用过程中会有正常的磨损，磨损到一定程度后，须由授权的服务中心更换碳刷。

机器储存：

1) 拔下电源插头，将电线挂到右搭扣的挂钩上。
2) 将所有附件装回原位。
3) 将机器直立储存于一干燥的区域。
4) 如果有必要，储存时移开机头。这样污水桶内的空气可以流通。