

K 7 Premium Smart Control

中文 2

English 16



未阅读该说明书前严禁使用该设备



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安全提示



在您第一次使用设备之前，请先阅读本安全章节和原厂操作说明书，并遵守。为日后使用或其他所有者使用方便请妥善保管原厂操作说明书。

- 除了操作说明书的提示外，还要遵守法律上一般安全规定和意外事故防范规定。
- 设备上相应的警告、指示标志为无风险的运行提供重要提示。

危险等级

△ 危险

- 提示导致人员重伤或死亡的直接威胁性危险。

△ 警告

- 提示可能导致人员重伤或死亡的危险状况。

△ 小心

- 提示可能导致轻度伤害的危险状况。

注意

- 提示可能产生财产损失的危险状况。

运行

△ 危险

- 禁止在有爆炸危险的区域运行设备。不得吸进溶剂、含有溶剂的液体或未经稀释的酸。此外还有汽油、油漆稀释剂和燃料油。极度易燃、易爆且有有毒的喷雾。
- 受损的汽车轮胎/轮胎阀门可能带来生命危险。汽车轮胎/轮胎阀门可能被高压水柱冲坏并爆裂。对此损坏的首要征兆就是轮胎变色。清洗车辆轮胎/轮胎气嘴时，至少保持 30 cm 的水柱距离。

△ 警告

- 水柱喷射范围内若有未穿着防护服的人员，则不要使用清洗机。勿将高压水柱对着自己清洗衣服或鞋子。
- 勿将高压水柱朝向人员、动物、运行中的电器装备或是设备本身。
- 不要排放含危害健康物质（如石棉）的蒸汽。
- 每次使用设备之前，务必检查设备及配件是否完好及安全，如高压软管、高压枪把和安全设备。
- 若有损坏，不得使用设备。立刻退换损坏的配件。
- 只能使用生产商推荐的高压软管、水龙头和连接器。
- 存在灼伤危险。设备运行结束后，分开连接软管或高压软管时，可能会有热水从连接处流出。

△ 小心。依照现行规定，在没有系统分离器的情况下不得在饮用水管网上运行设备。请确保您的家庭供水系统上运行高压清洁器的接口根据 EN 12729 的规定配备了合适的 BA 型系统分离器。

- 经过系统分离装置流出的水不能再当饮用水。
- 设备运行期间不可无人看管。
- 通过高压喷嘴喷出的水束而对高压喷枪产生反冲力。务必站稳，并拿稳高压喷枪和喷射管。
- 设备倾倒造成意外事故或损坏。使用本设备或在设备边工作时，务必确保稳定的站姿。

注意。勿在 0 °C 以下使用本设备。

个人防护装备

△ 小心。请穿戴合适的防护服与护目镜，避免被回溅的水或污垢喷到。

- 使用高压清洗机期间可能会产生气溶胶。吸入气溶胶会对人体有害。根据应用情况，您可使用完全罩住的喷嘴（如扁平式清洗机），大幅减少水性气溶胶的产生。若无法使用完全罩住的喷嘴，请您根据要清洗的环境，配戴符合 FFP 2 或类似等级的防护口罩，以避免吸入气溶胶。

存在电击危险

△ 危险。防护等级 I 的设备只能按规定连接到接地电源上。

- 设备只能连接到交流电上。电源电压必须跟型号标牌上给出的电压一致。
- 必须通过故障电流保护开关（最大 30 mA）才能运行本设备。
- 决不能用湿手触及电源插头或者插座。
- 电源插头和延长线缆的连接器必须确保防水且不可置于水中。不得将联轴器放在地上。
- 应使用插座至少高于地面 60 mm 的电缆轴。
- 工作领域内的所有通电部件都必须防水。

△ 警告。本设备只能由专业电工根据 IEC 60364-1 标准连接到电气接口上。

- 每次使用设备之前，请确保带电源插头的电源线没有损坏。如果电源线损坏，必须立即由制造商、授权的客户服务中心或专业电工更换，以避免任何风险。
- 不要碾压、挤压、拖曳电源线或延长线缆或采取类似行为造成损伤或损害。防止电线与高温、油及尖锐物品接触。
- 加长电线如不合适，将带来危险。室外只能使用经过许可并相应进行了标识且具有足够横截面积的加长电线：1-10 m：1.5 mm²，10-30 m：2.5 mm²。

△ 小心。延长线缆务必从电缆轴完全拉出来。

- 如果工休时间较长或是使用设备结束后，请关闭总开关/设备开关，并将电源插头拔出。

使用洗涤剂运行

△ 警告。洗涤剂使用不当可能会导致重伤或中毒。

△ 小心。洗涤剂应远离孩童妥善保管。

- 仅使用原厂提供或原厂推荐的洗涤剂。使用其他洗涤剂或化学试剂可能会影响到设备的安全。

保养和维护

△ 警告。进行所有保养与维护工作之前，务必将插头拔出。

△ 小心。只允许经过授权的客户服务人员维修工作和在电气零部件上进行工作。

注意。不得使用丙酮、溶剂和未经稀释的酸液，因为它们会侵蚀设备的材料。

△ 小心

- 意外事故与致伤危险。运输与储存时请留意设备的重量，参看操作说明书的技术信息一章。

一般安全提示

△ 危险。窒息危险。让儿童远离包装薄膜。

△ 警告。仅使用本设备来清洗。请注意遵守地方现行的规定，并在操作设备时留意他人的存在，尤其是儿童。● 有感官能力、意识或精神能力障碍人员或者缺少经验和知识的人员，只有当受到正确监督或由负责其安全的人员指导如何安全使用设备并理解由此产生的危险后方才可以使用本设备。● 儿童不能操作本设备。● 照看好儿童，以确保他们不用设备玩耍。

△ 小心。安全装置用于保护您的安全。不得变更或不用安全装置。

安全装置

△ 警告 有致伤危险！

因安全装置缺失、改装或失效而造成严重伤害。请勿避开或移除安全装置，也不要使其失效。安全装置用于保护您的安全。

设备开关

设备开关可防止设备意外运行。

高压喷枪锁定装置

锁定装置锁住高压喷枪的手柄，防止设备意外启动。

自动停止功能

松开高压喷枪上的手柄时，压力开关关闭泵并且高压射束停止。如果按压手柄，则泵重新接通。

电机保护开关

电流消耗过高时，电机保护开关将关闭设备。

设备上的标志



切勿直接对着人员、动物、运行中的电器装备或设备本身喷射高压射流。防止设备霜冻。



不允许将设备直接连接在公共饮用水网上。

环境保护



包装材料可以回收利用。请按照环保要求处理包装。



电气和电子设备含有宝贵的可再利用的材料以及诸如电池、蓄电池或油等若使用不当或处理错误会对人体健康和环境造成潜在性危险的组成部分。然而设备正常运行需要这些组成部分。用该符号标记的设备不得与生活垃圾一同处理。



若清洁工作会产生含油的废水，例如电机清洗、底板清洗，则只允许在配备油分离器的清洗处进行。



使用清洁剂工作时必须在连接至污水管道系统的液密工作表面上进行。清洁剂不得渗透到水域或土壤中。



有些国家不允许从公共水域取水。

内部材料提示 (REACH)

最新的内部材料信息请查看以下链接：

www.kaercher.de/REACH

按规定使用

高压清洗机只限私人家居日用。

高压清洗机用于使用高压水射流清洗机器、车辆、建筑物、工具、外墙、露台、园林设备等。

附件和备件

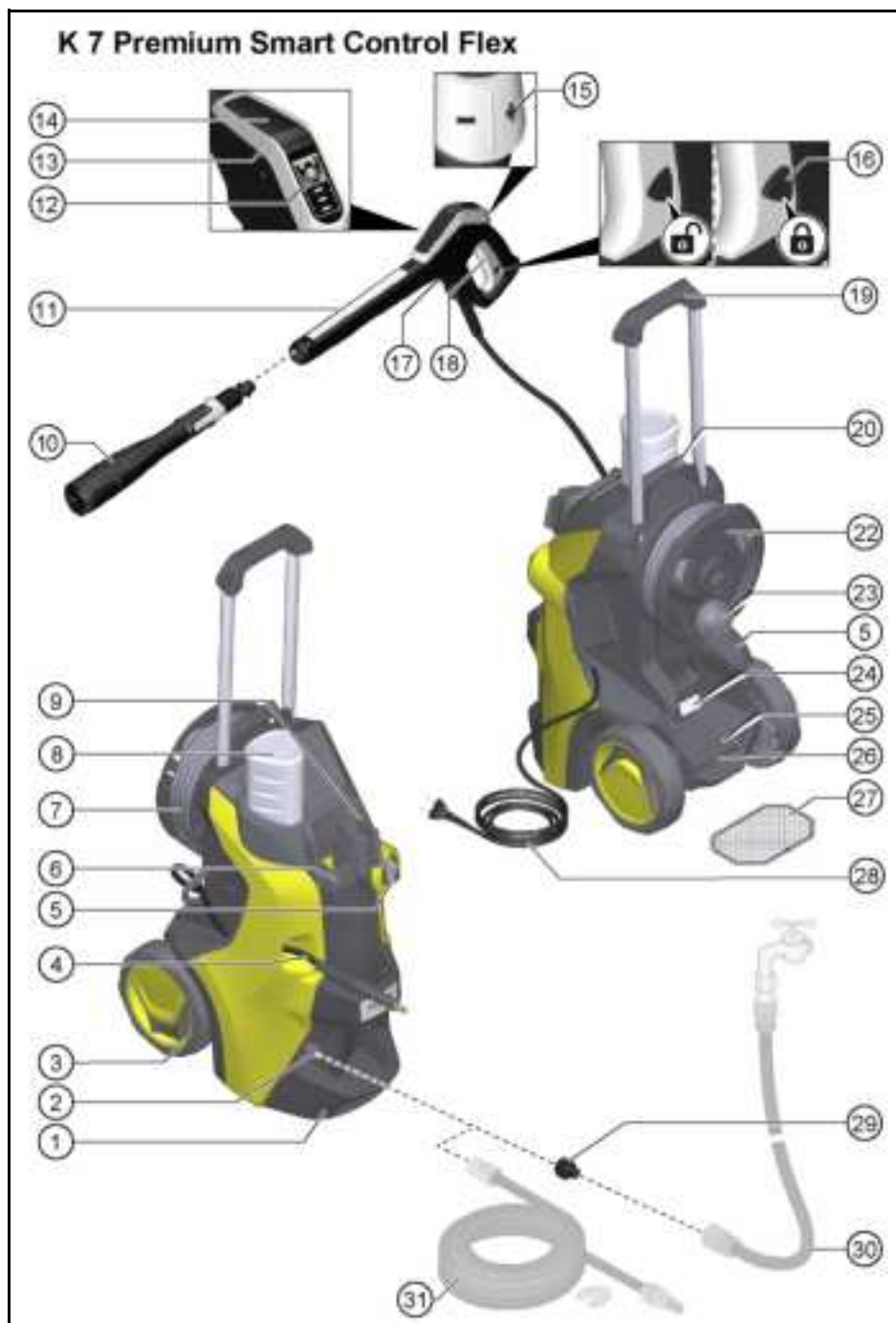
只允许使用原厂附件和备件，它们可以确保设备安全无故障地运行。

关于附件和备件的信息参见 www.kaercher.com。

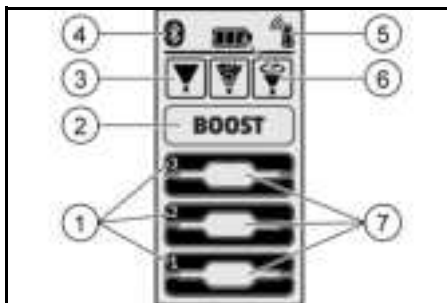
供货范围

设备的供货范围都已绘制在包装上。打开包装时请检查产品是否齐全。附件缺失或运输损坏时，请通知您的经销商。

本操作说明书介绍了最大装备。型号不同，供货范围也会有所偏差（参见包装）。



液晶显示屏



- ① 带手柄的支座
- ② 带内置滤网的水接口
- ③ 运输轮
- ④ 软管导向装置
- ⑤ 设备开关“0/OFF” / “I/ON”
- ⑥ 喷射管的存放
- ⑦ 高压软管
- ⑧ *即插即用型清洁剂瓶
- ⑨ 高压喷枪的存放/停放位置
- ⑩ 具有 3 种喷射方式的 3 合 1 多喷头喷射管（另见 *Smart Control* 系统一章）
- ⑪ Smart Control 高压喷枪
- ⑫ LCD 显示屏（另见 *液晶显示屏* 一章）
- ⑬ 电池舱锁定装置
- ⑭ 电池舱
- ⑮ “+/-”按钮，用于压力调节
- ⑯ 高压喷枪锁定装置
- ⑰ 用于将高压软管从高压喷枪上脱开的按钮
- ⑱ 高压喷枪手柄
- ⑲ 运输手柄，可抽出
- ⑳ 手柄
- ㉑ 软管支架
- ㉒ 高压软管卷筒
- ㉓ 软管卷筒手摇柄
- ㉔ 铭牌
- ㉕ 附件箱
- ㉖ 电源紧固件专用钩
- ㉗ 用于附件箱的电源
- ㉘ 电源线和电源插头
- ㉙ 水接口的连接器
- ③① **花园软管（织物增强，直径至少为 1/2 英寸（13 mm），长度至少为 7.5 m，带有市面上常见的快速连接器）
- ③② **KÄRCHER 抽吸软管，用于从开放的容器中供水（订货号 2.643-100.0）

* 选配， ** 额外要求

- ① 适用范围（1-SOFT / 2-MEDIUM / 3-HARD，各有 2 个压力等级）
- ② BOOST 功能显示
- ③ 建议喷射方式（平射 / 清洁剂 / 污垢清除器）
- ④ 显示 蓝牙®连接
- ⑤ 信号强度状态（4 级）
- ⑥ 电池状态（用空、接近用空、中等、满格）
- ⑦ 清洁剂等级（1 / 2 / 3）

安装

调试前将松散的随附部件安装到设备上。
准备好随附的螺丝和与之匹配的螺丝刀。

安装配件网

1. 将配件网挂在挂钩上。



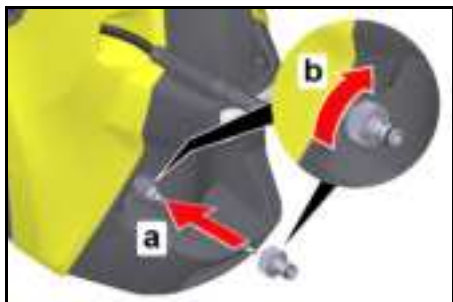
将高压软管通过软管导向装置插入

1. 将高压软管从后方穿过软管导向件。



安装水接口的连接器

1. 将水接口的连接器拧到设备的水接口上。



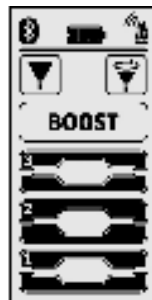
首次调试

连接高压喷枪

提示

详细的连接信息参见 <https://www.kaercher.com/FCR>。

1. 将高压清洗机电源插头插入插座。
设备需要 60 秒钟切换到连接模式。在这段时间内，可以完成高压喷枪的连接。
2. 同时按下高压喷枪上的“+”按钮和“-”按钮至少 3 秒钟。
如果连接成功，则压力等级以及无线电和蓝牙®图标显示在显示屏上。



该蓝牙®连接将在移动设备与高压清洗机之间自动建立。

提示

必要时，您也可以随后再按下“-”按钮 10 秒钟建立蓝牙®连接。

3. 如果连接尝试失败：
 - a 将高压清洗机电源插头从插座中拔下。
 - b 等待 20 秒钟。
 - c 重新连接高压喷枪。

调试

1. 将设备放置在平坦的地面上。
2. 将高压软管完全从软管卷筒上展开。
3. 将高压软管完全从软管导向装置中向前拉出，并松开可能存在的弯曲和扭转。
4. 将高压软管插入高压喷枪中，直到听到卡止的声音。

提示

注意接头要正确对齐。



5. 通过拉动高压软管检查连接是否更牢固。
6. 将电源插头插入插座。

供水

连接值见铭牌或章节 **技术参数**。

遵守供水公司的规定。

注意

受污染的水会造成损坏

水中的杂质可能会损坏泵和附件。

为了起到保护作用，KÄRCHER 建议使用 KÄRCHER 水过滤器（特殊附件，订货号 4.730-059）。

连接到水管上

注意

在使用由外部供应商提供的带有 AquaStop 功能的黄铜制软管连接器时存在损坏风险

高压泵损坏。

请仅使 Kärcher 公司提供的带/不带 AquaStop 功能的软管连接器、由外部供应商提供的不带 AquaStop 功能的软管连接器或带 AquaStop 功能的塑料软管连接器。

1. 将花园软管插在水接口的连接器上。
2. 将花园软管连接到水管上。
3. 完全打开水龙头。



从开放的容器中抽吸水

该设备搭配 KÄRCHER 吸水软管，适用于抽吸地表水，例如：来自水桶、雨水桶或池塘的地表水。最大抽吸高度参见。

1. 拧开水连接处的联轴器。
2. 给抽吸软管装入水。
3. 将抽吸软管拧到设备的水接口上并挂入水源（例如集雨桶）中。

给设备排气

1. 接通设备“I/ON”。
2. 解锁高压喷枪的手柄。
3. 按下高压喷枪的手柄。设备接通。
4. 让设备运行最多 2 分钟，直到高压喷枪上流出的水无气泡。
5. 松开高压喷枪的手柄。
6. 锁定高压喷枪的手柄。

注意**泵于运行**

设备损坏







如果设备在 2 分钟内未建立起压力，则关闭设备并根据章节。



Smart Control 系统


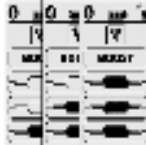
使用高压喷枪上的“+/-”按钮可以选择压力级和清洁剂计量。通过旋转 3 合 1 多喷头喷射管可以切换喷射方式。

提示

材料的敏感度可能会因年龄和条件的不同而有很大差异。因此，这些建议仅供参考。

平射喷嘴		
压力级	显示	建议用于
		石制露台、沥青、金属表面、园艺用具（手推车、铁铲等）
		轿车/摩托车、砖面、灰泥墙面、塑料家具
		木质表面、自行车、砂岩面、藤制家具

污垢清除器		
压力级	显示	建议用于
		用于石制露台、沥青、金属表面、园艺用具（手推车、铁铲等）上特别顽固的污垢

清洁剂喷嘴		
压力级	显示	建议用于
		使用清洁剂运行。根据需要计量清洁剂浓度

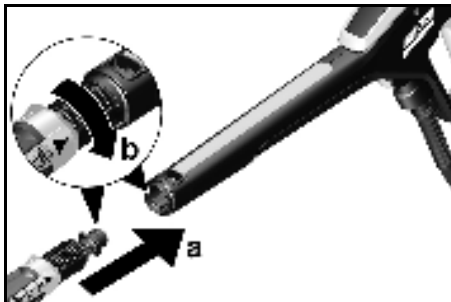
注意**漆面或敏感表面损坏**

如果喷射距离过短或选择了不合适的喷射管，则会损坏表面。

清洁漆面时，请至少保持 30 cm 的喷射距离。

不要用污垢粉碎机清洁汽车轮胎、油漆或敏感表面（如木材）。

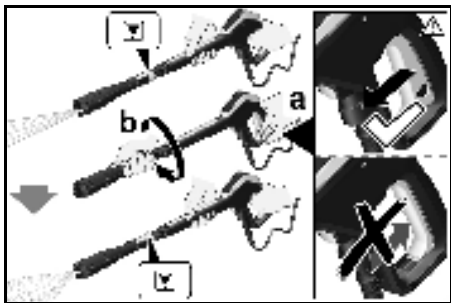
1. 插入 3 合 1 多喷头喷射管并通过转动 90° 固定。此时注意对齐！

**注意****按下高压喷枪的手柄时，更换喷射方式**

喷射管损坏

更换喷射方式之前，请松开高压喷枪的手柄。

2. 选择喷射方式。为此旋转 3 合 1 多喷头喷射管，直至所需的喷射显示朝上。

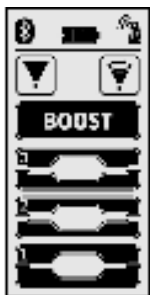


3. 接通设备（“I/ON”）。
4. 解锁高压喷枪的手柄。
5. 按下高压喷枪的手柄。设备接通。

激活加速功能

要清除顽固的污垢，可激活加速功能持续 30 秒，与设置的压力级无关。同时升高水压。

1. 按住高压喷枪上的“+”按钮，直到 LCD 显示屏上突出显示 BOOST（加速）。



加速功能运行结束后，设备会按照先前设置的压力级工作。

如果显示屏上的显示内容停止闪烁，加速功能可重新启用。

使用清洁剂运行

⚠ 危险

未遵守安全数据表

由于不当使用清洁剂而对健康造成严重损害。请注意清洁剂制造商的安全数据表，尤其是有关个人防护装备的提示。

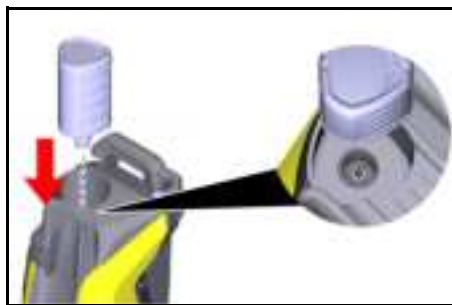
提示

清洁剂只能在低压时加入。

提示

使用清洁剂运行时，需要一个即插即用型清洁剂瓶。可购买即插即用型清洁剂瓶装的 KARCHER 清洁剂。

1. 移除即插即用型清洁剂瓶的盖子。
2. 将清洁剂瓶以开口向下的方式压入即插即用型清洁剂的接口中。



3. 将 3 合 1 多喷头喷射管转动至“MIX”清洁剂喷嘴，直到高压喷枪压力指示器上的“MIX”LCD 指示灯亮起。运行期间，清洁剂溶液被添加到水射流中。
4. 通过高压喷枪上的“+/-”按钮调节所需的清洁剂浓度。

推荐的清洁方法

1. 将少量清洁剂喷射到干燥的表面上并让其起作用（防止其变干）。
2. 用高压射流冲洗溶解的污垢。

使用清洁剂运行之后

1. 将即插即用型清洁剂瓶从底座中取出并用盖子密封。
2. 存放时将清洁剂瓶的盖子朝上放置在底座中。
3. 用清水冲洗设备约 30 秒钟。

中断运行

1. 松开高压喷枪的手柄。
如果松开手柄，则设备关闭。系统中的高压保持不变。
2. 锁定高压喷枪的手柄。



3. 将高压喷枪及喷射管置于停放位置。
4. 如果工作暂停超过 5 分钟，关闭设备“0/OFF”。

结束运行

⚠ 小心

系统中的压力

高压下不受控制的泄露水导致受伤
仅当系统中不再有压力时，才能将高压软管从高压喷枪上或设备上脱离。

1. 松开高压喷枪的手柄。
2. 关闭水龙头。
3. 按下高压喷枪的手柄 30 秒。
系统中的剩余压力将消除。
4. 松开高压喷枪的手柄。
5. 锁定高压喷枪的手柄。
6. 关闭设备“0/OFF”。
7. 将设备从水源上断开。
8. 从插座中拔出电源插头。

运输

△ 小心

有致伤与损坏危险！

忽视重量有致伤和损坏危险！

运输和存放时注意设备的重量。

提起设备

1. 通过把手提起并携带设备。

拉动设备

1. 拉出运输把手，直至听到其卡入为止。
2. 通过运输把手拉动设备。

使用车辆运输设备

1. 在水平运输前，将即插即用型清洁剂瓶从底座中取出并用盖子密封。
2. 固定住设备以防打滑和倾翻。

存放

△ 小心

有致伤与损坏危险！

忽视重量有致伤和损坏危险！

运输和存放时注意设备的重量。

保管设备

1. 将设备放置在平坦的地面上。
2. 将喷射管从高压喷枪上脱开。
3. 按下高压喷枪上的分离按钮并将高压软管从高压喷枪上脱开。

注意

高压软管损坏

由于错误的旋转方向导致高压软管损坏

卷起时注意软管卷筒的转动方向。

4. 使用手柄柄逆时针旋转软管卷筒并卷起高压软管。

5. 将电源线和附件存放在设备上。

在长期存放前，请注意附加提示，参见章节 **维护和保养**。

防冻保护

注意

霜冻危险

霜冻会损坏未完全清空的设备。

完全清空设备和附件。

防止设备受冻。

必须满足下列条件：

- 设备已从水源上断开。
 - 高压喷枪已从高压软管上脱开。
1. 接通设备“I/ON”。
 2. 最多等待 1 分钟，直到高压软管上不再有水流出。
 3. 关闭设备。
 4. 将设备及所有附件存放在防冻的室内。

维护和保养

△ 危险

触电危险

触摸带电部件导致受伤

关闭设备。

拔下电源插头。

设备是免维护的，即不需要执行定期的维护工作。

清洗水接口中的滤网

注意

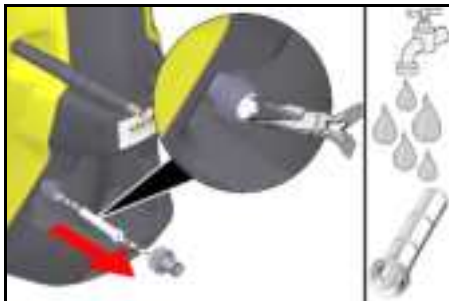
水接口中的滤网损坏

由于水污染导致设备损坏

将滤网装入水接口之前检查滤网是否损坏。

必要时清洗水接口中的滤网。

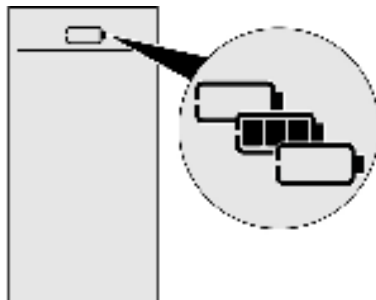
1. 移除水接口上的连接器。
2. 拉出滤网。
3. 用流水清洗滤网。



4. 将滤网装入水接口中。

更换高压喷枪电池

需要两节 AAA 规格的电池或蓄电池。



1. 按下锁紧滑阀。



2. 打开电池舱。
3. 取出电池。
4. 放入新电池并注意电极方向是否正确。
5. 关闭电池舱。
6. 根据现行规定回收处理废旧电池。

故障排除

故障原因常常很简单，借助以下概述即可自己排除故障。如有疑问或故障在这里未列出，请联系授权的客户服务部。

⚠ 危险

有生命危险！

触摸带电部件时，因触电而造成致命伤害。

请勿触摸任何带电部件。

关闭设备。

请将电源插头从电源插座上拔下。

设备不运行

1. 按下高压喷枪的手柄。
设备接通。
2. 检查电源电压是否与铭牌上给出的电压一致。
3. 检查电源线是否损坏。
4. 如果电机过载且电机保护开关被触发：
 - a 关闭设备“0/OFF”。
 - b 让设备冷却 1 个小时。
 - c 接通设备“I/ON”并重新运行。如果故障多次出现，让客服检查设备。

设备不启动，电机嗡嗡作响

由于电力供应不足或使用了延长电缆而导致电压下降

1. 接通时首先按下高压喷枪的手柄，然后接通设备“I/ON”。

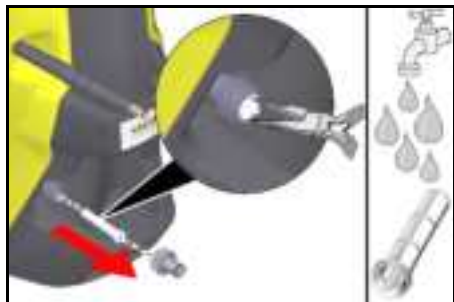
设备不会产生压力

供水过少。

1. 完全打开水龙头。
2. 检查供水是否充足。
3. 检查喷射管上的设置。
4. 检查是否超过了最大抽取高度。

水接口中的滤网脏污。

1. 用扁嘴钳拉出水接口中的滤网。
2. 用流水清洗滤网。



设备中有空气。

1. 给设备排气：
 - a 在未连接喷射管的情况下接通设备最多 2 分钟。
 - b 按下高压喷枪并等待，直到高压喷枪上流出的水无气泡。
 - c 连接喷射管。

剧烈的压力波动

1. 清洁高压喷嘴：
 - a 用针清除喷嘴孔中的污物。
 - b 用水从前方冲洗高压喷嘴。
2. 检查供水量。

设备不密封

1. 设备的轻微泄露是技术性的。如果泄露严重，则委托授权的客户服务部。

不吸入清洁剂

1. 将 3 合 1 多喷头喷射管旋转至清洁剂喷嘴“MIX”位置。
2. 检查即插即用型清洁剂瓶是否以开口向下的方式放在清洁剂接口上。

高压喷枪上没有压力显示



1. 检查电池，必要时进行更换。
2. 缩短高压喷枪和高压清洗机之间的距离。
3. 重新连接至高压清洗机，请参见 **BOOST 功能未显示在显示屏上，也无法通过 KÄRCHER Home & Garden 应用程序启动** 设备过热。

1. 检查进水温度（最高进水温度请参阅）。
2. 降低进水温度，从而使发动机加强冷却。

故障信息



1. 关闭设备“0/OFF”。
2. 从插座中拔出电源插头。
3. 20 秒后，将插头重新插入插座。
4. 接通设备“I/ON”。

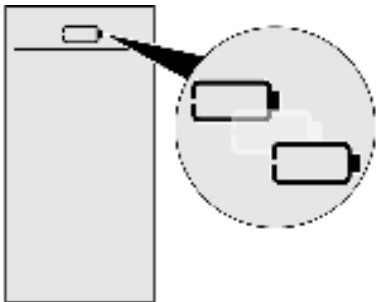
如果故障多次出现，请客服检查设备。

紧急运行

如果高压喷枪上的压力调节装置损坏，则高压清洗机将以最大挡运行。

1. 停用紧急运行：
 - a 关闭设备“0/OFF”。
 - b 从插座中拔出电源插头。
 - c 20 秒后，将插头重新插入插座。
 - d 接通设备“I/ON”。如果故障多次出现，请客服检查设备。

高压喷枪工作不正常



高压喷枪的电气系统出现了一个内部错误。

1. 按下锁紧滑阀。



2. 打开电池舱。
 3. 取出电池。
 4. 放入电池并注意电极方向是否正确。
 5. 关闭电池舱。
- 如果故障多次出现，请客服检查高压喷枪。

技术参数

电源连接

电压	V	220-230
相位	~	1
频率	Hz	50
连接功率	kW	3,0
防护类型		IPX5
防护等级		I
电源保险丝（慢熔型）	A	16

水接头

进水压力（最高）	MPa	1,2
进水温度（最高）	° C	40
进水量（最小）	l/min	12
抽吸高度（最高）	m	0,5

设备性能

工作压力	MPa	15
允许的最高压力	MPa	18
输送量，水	l/min	9,2
最大输送量	l/min	10
输送量，清洁剂	l/min	0,3
高压喷枪的后坐力	N	27

尺寸和重量

典型的工作重量	kg	19,9
长度	mm	459
宽度	mm	330
高度	mm	669

无线电模块 SRD

频率	MHz	868, 0-868, 6
----	-----	---------------

发射功率 ERP	mW	5
----------	----	---

蓝牙无线电模块

频率	GHz	2, 45
发射功率 ERP	mW	6, 3

保留技术参数更改权利。

质量保证

在每个国家，适用由我们的主管销售公司发布的质量保证条款。在质量保证期内，如果您的产品发生了任何故障，我们都将为您提供免费维修，但是这种故障应当是由于机身材料或制造上的缺陷造成的。如属质量保证情况，请凭发票联系贵方经销商或就近联系获得授权的客户服务点。

（地址详见背面。）

更多的质量保证信息（如果有）可以在您当地 Kärcher 网站服务区的“下载”下找到。

有害物质名称及含量

资产名称	单位(元)	资产净值(元)				净值(元) (SL)	净值(元) (SL)
		原值	净值	净值	净值		
流动资产	100	100	100	100	100	100	
非流动资产	100	100	100	100	100	100	
总资产	200	200	200	200	200	200	
流动资产	100	100	100	100	100	100	
非流动资产	100	100	100	100	100	100	
总资产	200	200	200	200	200	200	
流动资产	100	100	100	100	100	100	
非流动资产	100	100	100	100	100	100	
总资产	200	200	200	200	200	200	

本書中法蘭西文 1711 年 12 月 5 日編刊。

[illegible]

8. 國立政治大學附屬二重溪分校：第一台電氣化中學，民國34年。

—PL 101-508 (1990), 94 Stat. 1328, 1330

03/5/2014 11:41

[illegible][illegible]

姓名: 梁敏之 性别: 女 年龄: 40 籍贯: 湖南 职业: 教师 学历: 本科

Time	-	Y	-	Y	M	-
W						
Position (Code)		2	3	1	2	1
Notes						

Exer 17-22



	2017年12月31日	2016年12月31日	2015年12月31日
流动资产	1,000,000	1,000,000	1,000,000
非流动资产	1,000,000	1,000,000	1,000,000
资产总计	2,000,000	2,000,000	2,000,000
流动负债	1,000,000	1,000,000	1,000,000
非流动负债	1,000,000	1,000,000	1,000,000
负债总计	2,000,000	2,000,000	2,000,000
所有者权益	0	0	0

保修卡

尊敬的用户：

非常感谢您选用 Kärcher 公司产品，我们愿竭力为您提供优质的服务。《保修卡》是保修产品的重要凭证，请您仔细填写此卡并妥善保管。如产品需要维修时，请提供此保修卡和发票原件。

购买日期：_____ 产品型号：_____

用户电话：_____ 产品序列号：_____

用户地址：_____ 经销商盖章：_____

服务热线：400-880-1060

服务邮箱：service@karcher.cn

官网地址：www.karcher.cn



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(06/21)

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保修条款

本条款所述内容是根据《中华人民共和国消费者权益保护法》、《中华人民共和国产品质量法》及其他相关规定编写，仅适用于 Kärcher 公司在中国大陆销售的家用系列产品。

为了维护您的合法权益，请在购机时索要发票（即财政部门统一监制的发票）及相关凭证。

1. 经 Kärcher 授权经销商购买的整机设备在正常使用、操作的情况下，自整机验收之日起（以日期在合格证为准，主要部件（设备主机内部主要零件）享 24 个月保修，Kärcher 授权经销商出具的官方二手机合格证之日起主要部件享 6 个月保修，非 Kärcher 授权的经销商销售的产品，Kärcher 公司不承担厂家售后服务。
2. 用户需在包装封条时，需填写有效身份信息并签字盖章，并将产品送至 Kärcher 维修中心。
3. 如果下述任何一种情况发生，用户将不能享受保修服务，但可享受 Kärcher 维修中心提供的有偿服务：
 - a) 因误用导致损坏；
 - b) 没有有效身份信息或保修凭证，无法提供证明（或证明与产品实际情况不符，如保修凭证（合格证）经涂改；
 - c) 未在产品使用说明书要求使用、维护，但将产品而造成故障或损坏；
 - d) 产品的自然磨损及易损零件（除主机外，但不含有与主机的部分的重要零件，如零件为易损易耗件）；
 - e) 产品经售后由于运输或搬运不当造成的故障或损坏；
 - f) 未将 Kärcher 公司授权的对产品自行拆卸或自行修理造成故障或损坏；
 - g) 因电压、水源、使用环境不当等造成故障或损坏；
 - h) 因错误使用造成非自然造成的故障或损坏；
 - i) 由于不可抗力等自然原因造成故障或损坏；
 - j) 一切未将 Kärcher 公司授权的对产品进行改造，或使用非 Kärcher 原厂配件和附件导致的故障或损坏；
 - k) 产品无原厂标识，或原厂标识上的信息，与实际与 Kärcher 公司所提供的产品信息，实际者不一致；
 - l) 其它因用户原因造成的产品故障。
4. Kärcher 公司所购产品只适用于家庭用途，凡用于非家庭用途，如商业或工业用途等，将不能享受保修服务。
5. 往返 Kärcher 授权维修点的一切费用（用户自行承担（如运费、住宿费及另外承诺的除外），家用系列产品不提供免费上门服务。
6. 保修期内，所有因非故障拆下来的零件，都归用户所有归 Kärcher 公司所有。
7. 保修期内，如故障原因已排除或淘汰，Kärcher 公司有权使用同档次或更高档次的产品进行替换。
8. 因意外事故，在包修范围内提供免费维修服务。
9. 对包修范围外的家用产品故障，需客户自行付钱购买所需 Kärcher 维修中心，并承诺产生的零配件、人工等费用，包外报修后客户需签字确认，维修后客户需将维修费用向 Kärcher 承诺；如客户选择并修，则维修费用需由客户承担。
10. 包修期外零配件费用，按照 Kärcher 零售价的一定比例收取。
11. 如产品故障零件属产品缺陷，客户可凭旧机并持购买商上以行购买的凭证向经销商或经销商向 Kärcher 行索，中间有差错的经销商或经销商不承担责任。
12. Kärcher 公司保留更新有关保修信息，产品功能及结构的权利，恕不另行通知。

卡赫贸易（中国）有限公司

2021 年 01 月 01 日

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Safety instructions



Read this safety chapter and these original instructions before using the device for the first time. Act in accordance with

them. Keep the original instructions for future reference or for future owners.

- In addition to the notes in the operating instructions, you also need to take into consideration the general safety regulations and accident prevention guidelines applicable by law.
- Warnings and information notices attached to the device provide important information for hazard-free operation.

Hazard levels

⚠ DANGER

- Indication of an imminent threat of danger that will lead to severe injuries or even death.

⚠ WARNING

- Indication of a potentially dangerous situation that may lead to severe injuries or even death.

⚠ CAUTION

- Indication of a potentially dangerous situation that may lead to minor injuries.

ATTENTION

- Indication of a potentially dangerous situation that may lead to damage to property.

Operation

⚠ DANGER • Operation in explosive atmospheres is prohibited. • Never suction solvents, liquids containing solvents or undiluted acids. This includes e.g. petrol, paint thinner or heating oil. The spray mist is highly flammable, explosive and poisonous. • Damaged wheels / tyre valves are extremely dangerous. Damaged wheels / tyre valves can be damaged by the high-pressure jet and explode. The first sign of this is discolouration of the tyres. Keep a spray distance of at least 30 cm when cleaning the wheels / tyre valves.

⚠ WARNING • Do not use the device if people without the proper protective clothing are in its reach. • Do not aim the high-pressure jet at yourself, e.g. to clean clothes or shoes. • Do not direct the high-pressure jet at persons, animals, live electrical equipment or at the device itself. • Do not spray any objects which contain harmful substances (e.g. asbestos). • Check the device and the accessories, such as the high-pressure hose, high-pressure gun and safety devices, to make sure they are in proper safe and reliable condition before each operation. Do not use the device if it is damaged. Replace damaged components immediately. • Only use high-pressure hoses, control panels and couplings specified by the manufacturer. • Risk of scalding. When disconnecting the supply or high-pressure hose, hot water can leak out of the connections after operation.

⚠ CAUTION • According to the applicable regulations, the appliance may never be used with the drinking water network without a system separator. Ensure that the connection to your house water system, with which the high-pressure cleaner is operated, is equipped with a system separator according to EN 12729 type BA. • Water that has flowed through a system separator is no longer classified as drinkable. • Never leave the device unsupervised while it is in operation. • Recoil force from the water stream emerging at the high-pressure nozzle acts on the high-pressure gun. Keep proper footing and hold the high-pressure gun and spray lance firmly. • Accidents or damage due to the device falling over. Before all actions with or on the device, you must make sure that it is stable.

ATTENTION • Do not operate the device at temperatures below 0 °C.

Protective gear

⚠ CAUTION • Wear suitable protective clothing and safety goggles to protect yourself from water or dirt backslash. • Aerosols can be formed when using high-pressure cleaners. Inhaling aerosols can be harmful for your health. Depending on the application, the use of fully shielded nozzles (e.g. surface cleaners) can significantly lower the emission of aqueous aerosols. Depending on the environment to be cleaned, wear a suitable respiratory protective mask of class FFP 2 or comparable to protect yourself from inhaling aerosols if the use of a fully shielded nozzle is not possible.

Risk of electric shock

⚠ DANGER • Only connect protection class I devices to properly earthed power sources. • Only connect the device to alternating current. The voltage indicated on the type plate must match the voltage of the power source. • Only operate the device via a fault current protection switch (maximum 30 mA). • Never touch the mains plug and socket with wet hands. • The mains plug and coupling of the extension cable must be water tight and may not be placed in water. The coupling may not be on the floor. Use cable drums to ensure that the sockets are at least 60 mm above the floor. • All live parts in the work area must be protected against water jets.

⚠ WARNING • Only connect the device to an electrical connection which has been set up by a qualified electrician as per IEC 60364-1. • Check that the mains connection cable with mains plug is undamaged each time before using the device. To avoid any possible danger, a damaged mains connection cable must be immediately replaced by the manufacturer, or the authorised customer service department or a qualified electrician. • Do not damage the power supply and extension cable by running over it, crushing or yanking it or similar. Protect the power supply cable from heat, oil and sharp edges. • Unsuitable electrical extension cables are dangerous. Only use approved and appropriately marked electrical extension cables with a sufficient line cross section when outdoors: 1-10 m : 1.5 mm², 10-30 m : 2.5 mm²

⚠ CAUTION • Always fully unwind the extension cable from the cable drum. • In case of longer breaks in operation and after use, switch off the device at the main switch / device switch and pull the mains plug.

Operation with detergent

⚠ WARNING • Incorrect use of detergents can cause serious injuries or poisoning.

⚠ CAUTION • Keep the detergent out of the reach of children. • Only use the detergents supplied or specified by the manufacturer. The use of other detergents or chemicals can impair the safety of the device.

Care and service

⚠ WARNING • Always pull out the mains plug before all care and maintenance work.

⚠ CAUTION • Have repair work and work on electrical components carried out by the authorised customer service only.

ATTENTION • Do not use acetone, undiluted acids or solvents, as they corrode the materials used on the device.

Transportation

⚠ CAUTION

• Risk of accidents and injuries. Take into account the weight of the device for transportation and storage. See chapter Technical data in the operating instructions.

General safety instructions

⚠ DANGER • Risk of asphyxiation. Keep packaging film out of the reach of children.

⚠ WARNING • Only use the device for its proper use. Take into account the local conditions and beware of third parties, in particular children, when working with the device. • Persons with reduced physical, sensory or mental capabilities and persons lacking experience and knowledge may only use the appliance if they are properly supervised, have been instructed on use of the appliance safely by a person responsible for their safety, and understand the resultant hazards involved.

• Children must not operate the device. • Children must be supervised to prevent them from playing with the appliance.

⚠ CAUTION • Safety devices are provided for your own protection. Never modify or bypass safety devices.

Safety devices

WARNING

Danger of injury!

Serious injuries due to missing, modified or ineffective safety devices.

Do not bypass or remove the safety devices and do not render them ineffective. Safety devices are provided for your own protection.

Power switch

The power switch prevents unintentional operation of the device.

High-pressure gun lock

The lock locks the lever of the high-pressure gun and prevents the device from starting unintentionally.

Auto-stop function

If the lever of the high-pressure gun is released, the pressure switch turns off the pump and the high-pressure jet stops. The pump switches on again when the lever is pressed.

Motor circuit breaker

The motor circuit breaker shuts off the device if power consumption is too high.

Symbols on the device



Do not aim the high-pressure jet may at persons, animals, live electrical equipment or the device itself.

Protect the device against frost.



The device may not be connected to the public drinking water network.

Environmental protection



The packing materials can be recycled. Please dispose of packaging in accordance with the environmental regulations.



Electrical and electronic devices contain valuable, recyclable materials and often components such as batteries, rechargeable batteries or oil, which - if handled or disposed of incorrectly - can

pose a potential danger to human health and the environment. However, these components are required for the correct operation of the device. Devices marked by this symbol are not allowed to be disposed of together with the household rubbish.



Cleaning work producing in oily waste water, e.g. washing engines, washing undercarriages etc., may only be performed at washing stations with an oil separator.



Working with detergents may only be performed on watertight surfaces with connection to the waste water sewage system. Do not allow detergent to enter waterways or the soil.



Extraction of water from public waterways is not permitted in some countries.

Notes on the content materials (REACH)

Current information on content materials can be found at: www.kaercher.de/REACH

Intended use

Use the high-pressure cleaner in private households only.

The high-pressure cleaner is intended for cleaning machines, vehicles, buildings, tools, façades, terraces, garden machines etc. using a high-pressure water jet.

Accessories and spare parts

Only use original accessories and original spare parts. They ensure that the appliance will run fault-free and safely.

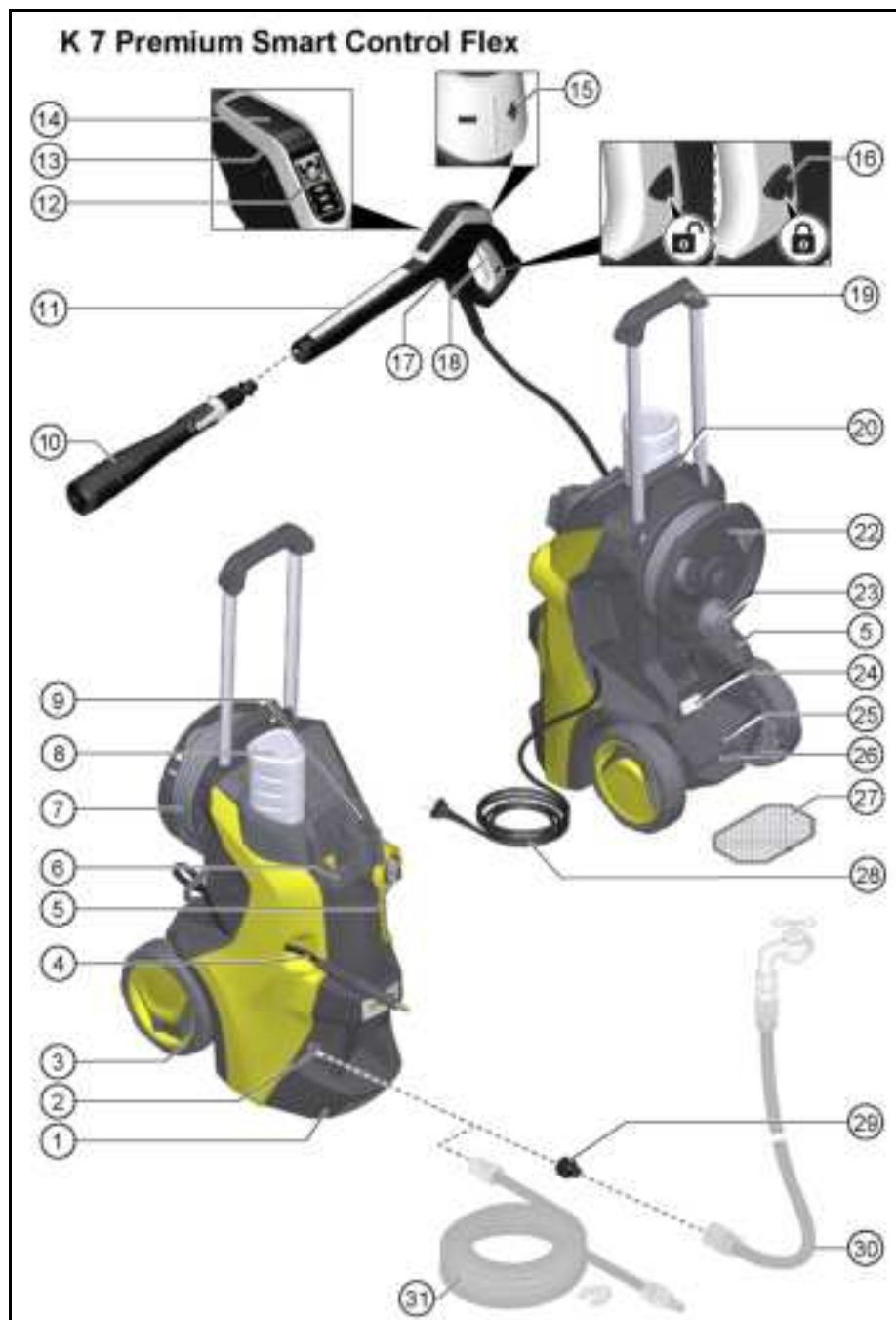
Information on accessories and spare parts can be found at www.kaercher.com.

Scope of delivery

The scope of delivery for the appliance is shown on the packaging. Check the contents for completeness when unpacking. If any accessories are missing or in the event of any shipping damage, please notify your dealer.

Description of the device

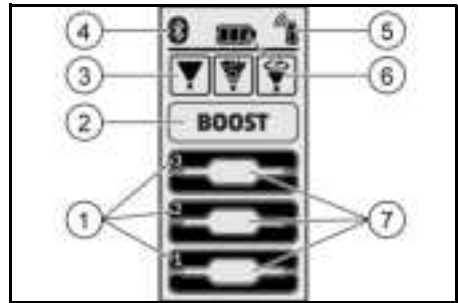
The maximum amount of equipment is described in these operating instructions. Depending on the model used, there are differences in the scope of delivery (see packaging).



- ① Stand with carrying handle
- ② Water connection with integrated sieve
- ③ Transport wheel
- ④ Hose guide
- ⑤ Trigger "0/OFF" / "I/ON"
- ⑥ Storage for spray lance
- ⑦ High-pressure hose
- ⑧ *Plug 'n' Clean detergent bottle
- ⑨ Storage / parking position for high-pressure gun
- ⑩ 3-in-1 multi-jet spray lance with 3 spray types (see also chapter *Smart Control System*)
- ⑪ Smart Control high-pressure gun
- ⑫ LCD display (see also chapter *LCD display*)
- ⑬ Battery compartment lock
- ⑭ Battery compartment
- ⑮ "+/-" buttons for pressure control
- ⑯ High-pressure gun lock
- ⑰ Button for separating the high-pressure hose from the high-pressure gun
- ⑱ High-pressure gun lever
- ⑲ Transport handle, telescoping
- ⑳ Carrying handle
- ㉑ Hose holder
- ㉒ High pressure hose reel
- ㉓ Crank handle for hose reel
- ㉔ Type plate
- ㉕ Accessory compartment
- ㉖ Hook for net attachment
- ㉗ Accessory compartment net
- ㉘ Mains connection with mains plug
- ㉙ Water connection coupling
- ㉚ **Garden hose (fabric reinforced, diameter at least 1/2 inch (13 mm), length at least 7.5 m, with commercially available quick coupling)
- ㉛ **KÄRCHER suction hose for water supply from open containers (order no. 2.643-100.0)

* optional, ** additionally required

LCD display



- ① Area of application (1-SOFT / 2-MEDIUM / 3-HARD with 2 pressure levels each)
- ② BOOST function indicator
- ③ Spray type recommendation (flat stream/detergent/dirt blaster)
- ④ Display Bluetooth® connection
- ⑤ Signal strength status (four levels)
- ⑥ Battery status (empty, almost empty, medium, full)
- ⑦ Detergent level (1 / 2 / 3)

Installation

Fit the supplied loose parts onto the device before starting up the device.

Have the included screws and the appropriate screwdriver ready.

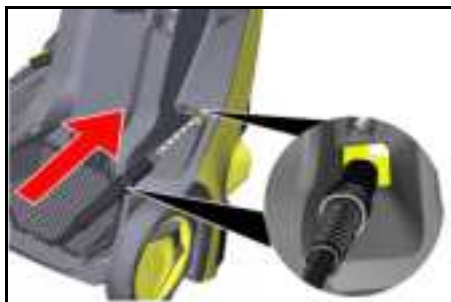
Mounting the accessory net

1. Hang the accessory net on the hooks.



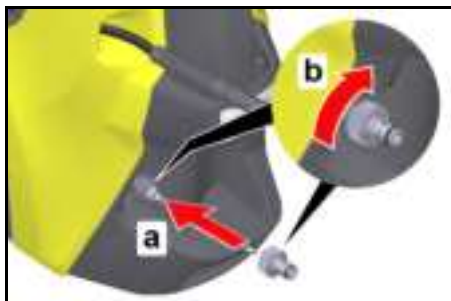
Push the high-pressure hose through the hose guide

1. Insert the high-pressure hose through the hose guide from the rear.



Installing the water connection coupling

1. Screw the water connection coupling onto the water connection on the device.



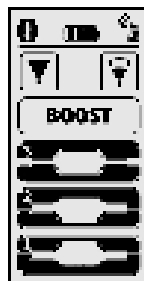
Initial Start-Up

Connecting the high-pressure gun

Note

You can find a detailed description of the connection at <https://www.kaercher.com/FCR>.

1. Plug the mains plug for the high-pressure cleaner into a socket.
The device switches to coupling mode for 60 s. During this time it is possible to couple the high-pressure gun.
2. Press the "+" key and the "-" key on the high-pressure gun simultaneously for at least 3 s.
If the coupling is successful, the pressure levels, as well as the radio and the Bluetooth® symbol, will be shown on the display.



The Bluetooth® connection between the mobile device and the high-pressure cleaner is established automatically.

Note

If necessary, you can also establish the Bluetooth® connection at a later time by pressing the "-" key for 10 s.

3. If the coupling attempt failed:
 - a Pull the mains plug for the high-pressure cleaner out of the socket.
 - b Wait 20 s.
 - c Couple the high-pressure gun again.

Initial startup

1. Place the device on a level surface.
2. Completely unwind the high-pressure hose.
3. Pull the high-pressure hose completely forward through the hose guide and eliminate any loops and twists.
4. Insert the high-pressure hose into the high-pressure gun until it audibly clicks into place.

Note

Take care to ensure the correct alignment of the nipple.



5. Check the secure connection by pulling on the high-pressure hose.
6. Plug the mains plug into a mains socket.

Water supply

For the connection values, see the type plate or chapter *Technical data*.

Observe the water distribution company regulations.

ATTENTION

Damage through contaminated water

Contamination in the water can damage the pump and the accessories.

KÄRCHER recommends using the KÄRCHER water filter for protection (special accessory, order number 4.730-059).

Connection to the water line

ATTENTION

Risk of damage when using hose couplings made of brass with AquaStop function from third-party suppliers.

Damage to the high-pressure pump.

Only use hose couplings with/without AquaStop function from Kärcher, hose couplings without AquaStop function or hose couplings made of plastic with AquaStop function from third-party suppliers.

1. Plug the garden hose onto the water connection coupling.
2. Connect the garden hose to the water line.
3. Open the water tap completely.



Suck water from open containers

This high-pressure cleaner with the KÄRCHER suction hose is suitable for sucking in surface water, e.g. from water butts or ponds (for maximum suction height, see).

1. Unscrew the coupling on the water connection.
2. Fill the suction hose with water.
3. Screw the suction hose onto the water connection of the device and hang it in a water source (e.g. rain barrel).

Vent the device

1. Switch the device on "I/ON".
2. Unlock the lever of the high-pressure gun.
3. Press the lever of the high-pressure gun. The device switches on.
4. Allow the device for run a maximum of 2 minutes until the water escaping from the high-pressure gun is free of air bubbles.
5. Release the lever of the high-pressure gun.
6. Lock the lever of the high-pressure gun.

Operation

ATTENTION

Risk of damage!

Damaging the pump during dry running.

Switch off the device if it does not build up pressure within 2 minutes.







Proceed according to the instructions in chapter Troubleshooting guide.

Smart Control System



The "+"/- buttons on the high-pressure gun can be used to select the pressure and detergent dosing levels. The spray type can be changed by turning the 3-in-1 multi jet spray lance.


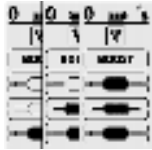
Note

The sensitivity of materials can vary greatly depending on age and condition. The recommendations are therefore not binding.

Flat jet nozzle		
Pressure level	Display	Recommended for e.g.
		Stone terraces, asphalt, metal surfaces, garden utensils (wheelbarrow, spade, etc.)
		Cars / motorcycles, brick surfaces, plastered walls, plastic furniture
		Wooden surfaces, bicycle, sandstone surfaces, rattan furniture

Dirt blaster

Pressure level	Display	Recommended for e.g.
		For particularly stubborn dirt on stone terraces, asphalt, metal surfaces, garden utensils (wheelbarrow, spade, etc.)

Detergent nozzle		
Pressure level	Display	Recommended for e.g.
		Operation with detergent. Dosing the detergent concentration as needed

High-pressure operation

ATTENTION

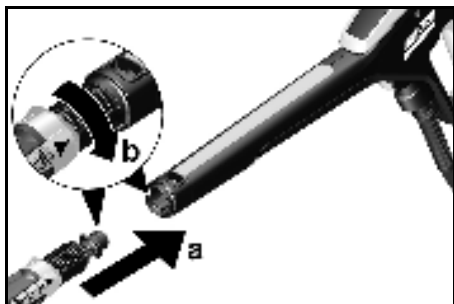
Damage to painted or sensitive surfaces

Surfaces can be damaged when the jet is too close to the surface or an unsuitable spray lance is used.

Maintain a minimum spray distance of 30 cm when cleaning painted surfaces.

Do not clean car tyres, paint or sensitive surfaces such as wood with the dirt blaster.

1. Insert the 3-in-1 Multi Jet spray lance and turn it 90° to fix it in place. Be aware of the orientation!



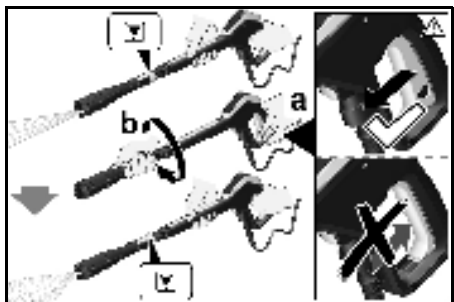
ATTENTION

Spray type change when the lever of the high-pressure gun is pressed

Damage to the spray lance

Let go of the lever of the high-pressure gun before changing the spray type.

2. Select the spray type. Do this by turning the 3-in-1 Multi Jet spray lance until the required spray display is visible above.

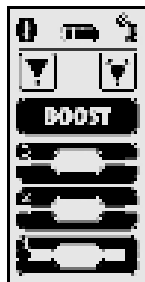


3. Switch the device on ("I/ON").
4. Unlock the lever of the high-pressure gun.
5. Press the lever of the high-pressure gun. The device switches on.

Activating the BOOST function

For cleaning stubborn dirt, the BOOST function can be activated for 30 seconds regardless of the pressure level set. This increases the water pressure.

1. Hold down the "+" button on the high-pressure gun until BOOST is highlighted on the LCD display.



After the BOOST function has expired, the device works with the previously set pressure level.

As soon as the display stops flashing, the BOOST function is available again.

Operation with detergent

⚠ DANGER

Failure to adhere to the safety data sheet

Incorrect handling of the detergent can seriously damage your health

Observe the safety data sheet of the detergent manufacturer, in particular the instructions on personal protective equipment.

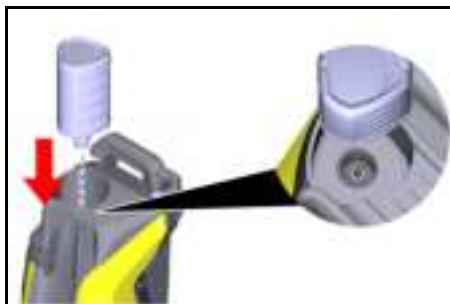
Note

Detergent can only be mixed into the jet at low pressure.

Note

A Plug 'n' Clean detergent bottle is required for operating with detergent. KÄRCHER detergent can be purchased ready to use in a Plug 'n' Clean detergent bottle.

1. Remove the cover from the Plug 'n' Clean detergent bottle.
2. Plug the detergent bottle into the Plug 'n' Clean detergent connection with the opening facing down.



3. Turn the 3-in-1 Multi Jet spray lance to the "MIX" cleaning nozzle until the "MIX" LCD on the pressure indicator of the high-pressure gun lights up. The detergent solution is mixed with the water jet during operation.
4. Using the "+/-" buttons of the high-pressure gun, set the desired detergent concentration.

Recommended cleaning method

1. Spray the detergent sparingly on the dry surface and let it work for a while (do not let it dry).
2. Rinse off the loosened dirt with the high-pressure jet.

After operation with detergent

1. Pull the Plug 'n' Clean detergent bottle out of the holder and close it with the lid.
2. For storage, place the detergent bottle in the holder with the lid facing upwards.
3. Rinse the device with clean water for about 30 seconds.

Interrupting operation

1. Release the lever of the high-pressure gun. When the lever is released, the device switches off. The high-pressure in the system is maintained.
2. Lock the lever of the high-pressure gun.



3. Set the high-pressure gun with the spray lance in the parking position.
4. For work breaks longer than 5 minutes, switch off the device "0/OFF".

Ending operation

⚠ CAUTION

Danger of injury!

Injuries due to uncontrolled water escaping under high pressure.

Only disconnect the high-pressure hose from the high-pressure gun or the device if there is no pressure in the system.

⚠ CAUTION

Risk of scalding!

Scalding due to hot water escaping after operation, when disconnecting the garden hose or high-pressure hose.

Wear suitable protective gloves.

After operation, allow the device to cool down before disconnecting the garden hose or high-pressure hose.

1. Release the lever of the high-pressure gun.
2. Close the water tap.
3. Press the lever of the high-pressure gun for 30 seconds.
The pressure in the system is released.
4. Release the lever of the high-pressure gun.
5. Lock the lever of the high-pressure gun.
6. Switch off the device "0/OFF".
7. Disconnect the device from the water supply.
8. Pull the mains plug out of the outlet.

Transport

⚠ CAUTION

Risk of injury or damage due to the weight of the device!

Injury and damage.

Be aware of the weight of the device during transport and storage.

Carrying the device

1. Lift and carry the device by the carrying handles.

Pulling device

1. Pull out the transport handle until it audibly engages.
2. Pull the device by the transport handle.

Transporting the device in a vehicle

1. Before horizontal transport, pull the Plug 'n' Clean detergent bottle out of the holder and close it with the lid.
2. Secure the device against shifting and tipping.

Storage

⚠ CAUTION

Risk of injury or damage due to the weight of the device!

Injury and damage.

Be aware of the weight of the device during transport and storage.

Storing the device

1. Place the device on a level surface.
2. Disconnect the spray lance from the high-pressure gun.
3. Press the separation button on the high-pressure gun and disconnect the high-pressure hose from the high-pressure gun.

ATTENTION

Damage to the high-pressure hose

Damage to the high-pressure hose through incorrect direction of rotation

Observe the correct direction of rotation of the hose reel when winding on the hose.

4. Use the crank handle to turn the hose reel anticlockwise and coil up the high-pressure hose.
5. Store the mains connection cable and accessories on the device.

Before prolonged storage, observe additional instructions, see *Care and service*.

Frost protection

ATTENTION

Danger of frost

Incompletely emptied devices can be destroyed by frost.

Completely empty the device and accessories.

Protect the device from frost.

The following must be met:

- The device is disconnected from the water supply.
 - The high-pressure gun is separated from the high-pressure hose.
1. Switch on the device "I/ON".
 2. Wait a maximum of 1 minute until no more water comes out of the high-pressure hose.
 3. Switch off the device.
 4. Store the device with all accessories in a frost-proof room.

Care and service

⚠ DANGER

Danger of electric shock

Injuries due to touching live parts

Switch off the device.

Remove the mains plug.

The device is maintenance-free, i.e. you do not need to perform any maintenance work.

Clean the sieve in the water connection

ATTENTION

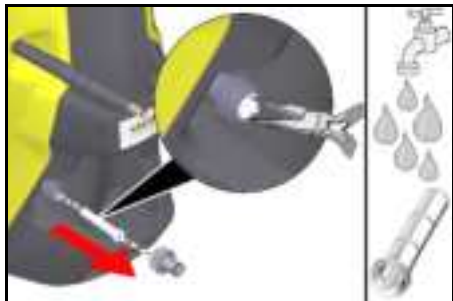
Damaged sieve in the water connection

Damage to the device through contaminated water

Check the sieve for damage before inserting it in the water connection.

If necessary, clean the sieve in the water connection.

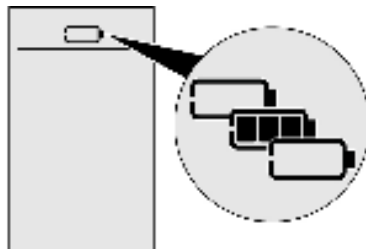
1. Remove the water connection coupling.
2. Pull the sieve out.
3. Clean the sieve under running water.



4. Insert the sieve into the water connection.

Replacing the batteries of the high-pressure gun

Two non-rechargeable or rechargeable AAA batteries are required.



1. Press the locking slide.



2. Open the battery compartment.
3. Remove the battery.
4. Insert new batteries, while paying attention to the correct alignment of the poles.
5. Close the battery compartment.
6. Dispose of the used batteries in accordance with statutory provisions.

Troubleshooting guide

Malfunctions often have simple causes that you can remedy yourself using the following overview. When in doubt, or in the case of malfunctions not mentioned here, please contact your authorized Customer Service.

⚠ DANGER

Danger of death!

Fatal injuries due to electric shock when touching live parts.

Do not touch any live parts.

Switch off the device.

Pull the mains plug out of the mains socket.

Device not running

1. Press the lever of the high-pressure gun.
The device switches on.
2. Check that the voltage specified on the type plate corresponds to the voltage of the power source.
3. Check the mains connection cable for damage.
4. If the motor is overloaded and the motor circuit breaker has triggered:
 - a Switch off the device "0/OFF".
 - b Allow the device to cool down for 1 hour.
 - c Switch the device on "I/ON" and resume operation.

Have the device checked by Customer Service if this fault occurs repeatedly.

The device does not start up, the motor buzzes

Voltage drop due to a weak mains grid or when using an extension cable

1. When switching on, first press the lever on the high-pressure gun and then switch on the device "I/ON".

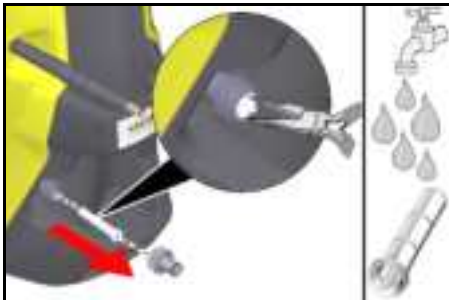
Device does not reach required pressure

The water supply is too low.

1. Open the water tap fully.
2. Check the water inlet for an adequate flow rate.
3. Check the setting at the spray lance.
4. Check that the maximum suction height is not exceeded.

The sieve in the water connection is dirty.

1. Pull the sieve in the water connection out using flat pliers.
2. Clean the sieve under running water.



Air is in the device.

1. Vent the device:
 - a Switch on the device without a connected spray lance for a maximum of 2 minutes.
 - b Press the high-pressure gun and wait until the water escaping from the high-pressure gun is free of air bubbles.
 - c Connect the spray lance.

Strong pressure fluctuations

1. Cleaning the high-pressure nozzle:

- a Remove contamination from the nozzle drill with a needle.
 - b Rinse the high-pressure nozzle with water from the front.
2. Check the water supply volume.

Device leaking

1. The device leaks a small amount for technical reasons. If the leak is severe, request authorised Customer Service.

Detergent is not sucked in

1. Turn the 3-in-1 Multi Jet spray lance to detergent nozzle "MIX".
2. Check that the Plug 'n' Clean detergent bottle is sitting correctly with the opening facing down in the detergent connection.

No pressure indicator on the high-pressure gun



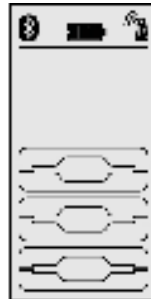
1. Check the batteries and replace them if necessary.
2. Reduce the distance between the high-pressure gun and the high-pressure cleaner.
3. Re-establish the connection to the high-pressure cleaner, see chapter .

BOOST function is not shown on the display and cannot be started via the KÄRCHER Home & Garden app

The device is overheated.

1. Check the water supply temperature (for maximum water inlet temperature, see chapter).
2. Reduce the water supply temperature to give the motor more cooling.

Error messages



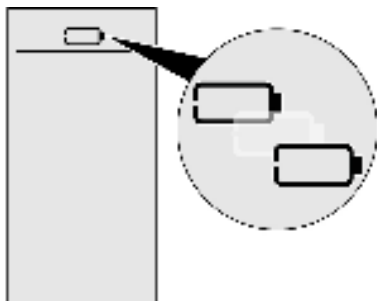
1. Switch off the device "0/OFF".
2. Pull the mains plug out of the socket.
3. After 20 seconds, insert the mains plug back into the socket.
4. Switch the device on "I/ON".
Have the device checked by Customer Service if this fault occurs repeatedly.

Emergency operation

If the pressure regulation on the high-pressure gun is defective, the high-pressure cleaner works at maximum level.

1. Deactivating emergency operation:
 - a Switch off the device "0/OFF".
 - b Pull the mains plug out of the socket.
 - c After 20 seconds, insert the mains plug back into the socket.
 - d Switch the device on "I/ON".Have the device checked by Customer Service if this fault occurs repeatedly.

The high-pressure gun is not working properly



An internal error has occurred in the electronics of the high-pressure gun.

1. Press the locking slide.



2. Open the battery compartment.
 3. Remove the battery.
 4. Insert the batteries, paying attention to the correct alignment of the poles.
 5. Close the battery compartment.
- Have the high-pressure gun checked by Customer Service if this fault occurs repeatedly.

Technical data

Electrical connection

Voltage	V	220-230
Phase	~	1
Frequency	Hz	50
Power rating	kW	3,0
Protection type		IPX5
Protection class		I
Power protection (slow-blowing)	A	16

Water connection

Feed pressure (max.)	MPa	1,2
Input temperature (max.)	°C	40
Input amount (min.)	l/min	12
Suction height (max.)	m	0,5

Device performance data

Operating pressure	MPa	15
Max. permissible pressure	MPa	18
Water flow rate	l/min	9,2
Maximum flow rate	l/min	10
Detergent flow rate	l/min	0,3
High-pressure gun recoil force	N	27

Dimensions and weights

Typical operating weight	kg	19,9
Length	mm	459
Width	mm	330
Height	mm	669

Radio module SRD

Frequency	MHz	868,0-868,6
Transmitting power ERP	mW	5

Bluetooth radio module

Frequency	GHz	2,45
Transmitting power ERP	mW	6,3

Subject to technical modifications.

Warranty

The warranty conditions issued by our relevant sales company apply in all countries. We shall remedy possible malfunctions on your appliance within the warranty period free of cost, provided that a material or manufacturing flaw is the cause. In a warranty case, please contact your dealer (with the purchase receipt) or the next authorised customer service site.

(See overleaf for the address)

Further warranty information (if available) can be found in the service area of your local Kärcher website under "Downloads".



www.kaercher.com/dealersearch

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