

24270T-CP	OBLO DM SENSOR FCT-COLD,W/O P,0.5G,SP 欧宝台盆感应龙头,单冷,不含电源盒,1.9升,特供版
24271T-CP	OBLO DM SENSOR FCT-MIXER,W/O P,0.5G,SP 欧宝台盆感应龙头,冷热,不含电源盒,1.9升,特供版
24270T-S3-CP	OBLO DM SENSOR FCT-COLD,W/O P,0.35G,SP 欧宝台盆感应龙头,单冷,不含电源盒,1.4升,特供版
24270T-S5-CP	OBLO DM SENSOR FCT-COLD,W/O P,0.26G,SP 欧宝台盆感应龙头,单冷,不含电源盒,1.0升,特供版

安装之前

所有的资料是按最新出版的产品资料编写而成。科勒公司保留任何时候不经通知即可改变产品特性、包装或产品可供类型的权利。

说明书包括重要的安装、保养及清洁方面的内容,请把这些资料交给用户阅读。

注意事项

1. 一定要先彻底冲洗供水管以清除管道中的杂质,使用水源为自来水或可供饮用水。
2. 请勿将强力及冲击施于产品,以免造成故障,引起漏水。
3. 安装、清洁龙头时,切勿损伤感应窗口表面,以免造成故障。
4. 如果是安装新的洗面盆,可将水龙头和排水组件先安装好到面盆上。
5. 对于直流龙头,安装时注意电池的正负极不能装反,电池盒盖要拧紧,防止电池受潮。
6. 对于交流龙头,安装时务必按照说明书的要求正确连接导线,龙头安装完毕后才可向电源盒供电。
7. 修理面盆时,用黑色电工胶布粘住感应窗口。
8. 维修交流龙头时,必须断开交流电源并关闭水源。

BEFORE YOU BEGIN

All information is based on the latest product information available at the time of publication, Kohler Co. reserves the right to make changes in product characteristics, packaging, or availability at any time without notice. Please leave these instructions for the consumer. They contain important information.

Notes:

1. Flush the water supply pipes thoroughly to remove debris. Faucet is designed for tap water or potable water.
2. Do not attack the faucet with rough strength to avoid being damaged.
3. Do not damage the surface of sensing window when installing or cleaning the faucet.
4. For new installations, install the faucet and drain to the lavatory before installing the lavatory.
5. As for DC type faucets, please pay special attention to insert direction match of battery poles. Tighten the battery cover completely to prevent its exposure to moisture.
6. As for AC type faucets, strictly follow indicated instructions to perform electric connection. Only provide electric supply to power box after the installation is completed.
7. Cover the sensing window with black tape when repairing lavatories.
8. Turn off the electrical source and shut down water supply before the faucets repaired.

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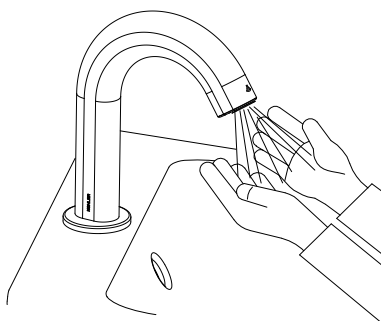
中国上海市宝山区丰翔路1955号 邮编: 200444

使用说明

OPERATION INSTRUCTIONS

1. 手伸到出水口下方感应范围内（感应距离随面盆、周围的情况而自动调节），水龙头出水。手离，0.5~2秒后，水龙头自动止水。

2. 冷热混水龙头水温调节：先关闭热水角阀，再将冷水角阀旋至冷水最大状态，再缓慢打开热水角阀，以免烫伤。如冷水水压大，打开全部热水角阀后，仍无合适水温，请再缓慢减少冷水出水量，直至水温使用舒适。



1. Put your hand in the sensing -range, the faucet should turn on. The faucet should turn off after removal within 0.5~2 seconds. The sensing distance will be adjusted automatically as per the condition of the lavatory and surrounding environment.

2. Adjust the water temp for faucet with temperature mixture: turn off hot water valve first, and then turn on the water and adjust to full cold, slowly turn on hot water valve to avoid scalding. If cold water pressure is high and unable to gain proper comfortable water temp even hot water valve is fully open, turn down cold water capacity slowly until water temp is comfortable for use.

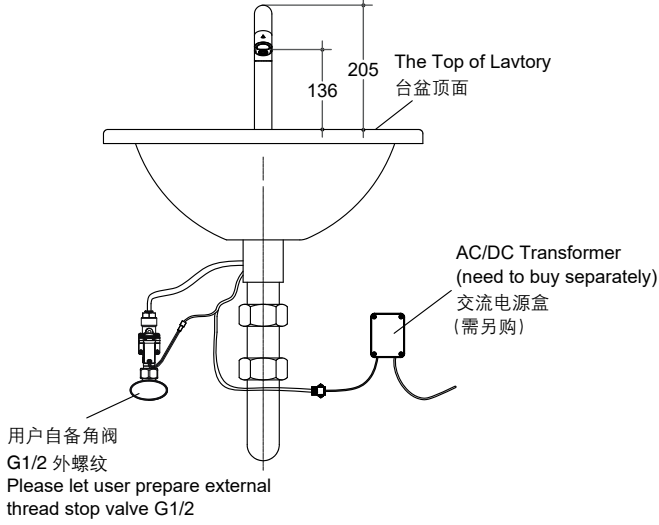
注意：
请勿将龙头安装在台面上，
同时搭配台上盆。

Note:
please do not install the faucet on the
table and match the washbasin

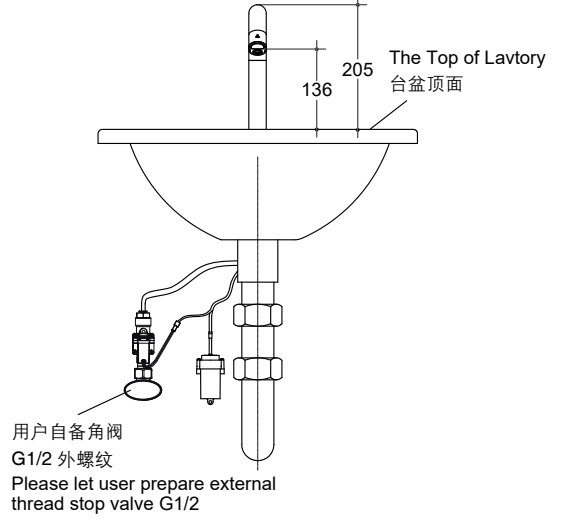
安装尺寸

ROUGH-IN DIMENSIONS

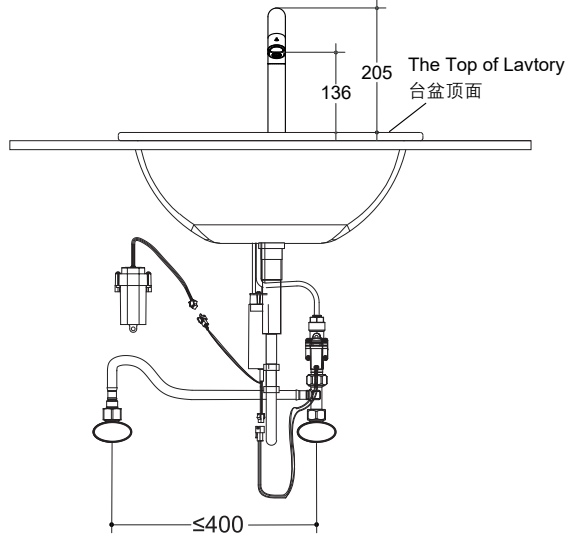
24270T-CP
欧宝台盆感应龙头
(单冷型不含电源盒)



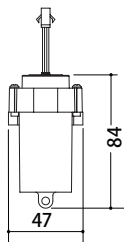
24270T-CP
欧宝台盆感应龙头
(单冷型不含电源盒)



24271T-CP
欧宝台盆感应龙头
(冷热混合型不含电源盒)

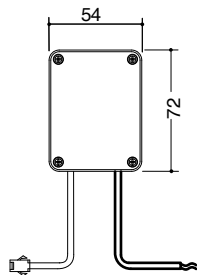


24484T-NA
DC Power Unit
直流电源盒



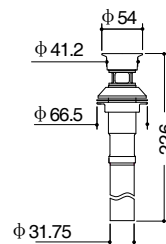
Output: DC6V
输出: 直流电压6V

16305T-NA
AC/DC Transformer
(need to buy separately)交流电源盒



Output: DC6V 输出: 直流电压6V
Input: AC220V 输入: 交流电压220V

The Drain
排水组件



注: 直流或交流电源盒需另购。

NOTE: DC Power or AC/DC transformer need purchasing.

技术参数

电源：直流 4节5号碱性电池(LR06×4)

交流 电压220V,频率50/60Hz

检测时间：小于0.75秒

关阀延时：0.5~2秒

感应距离：自动调节

流量：	0.5GPM	约1.9L/min
	0.35GPM	约1.4L/min
	0.26GPM	约1.0L/min

超时用水控制：超时用水1分钟，自动止水。

环境温度：1~55℃

进水温度：0.5~71℃

适用水压：0.05~0.86MPa

PARAMETERS

Power: DC 4 pieces of AA size alkaline batteries

AC 220V, 50/60Hz

Sensor Duration: Less than 0.75s

Shut-off Delay: 0.5~2s

Sensing Distance: Automatic adjustment

Flow Rate:	0.5GPM	About 1.9L/min
	0.35GPM	About 1.4L/min
	0.26GPM	About 1.0L/min

Overtime Flowing Control: Automatically stop flushing when the faucet senses an object for more than 1 minute continuously

Ambient Temperature: 1~55℃

Supply Water Temperature: 0.5~71℃

Supply Water Pressure: 0.05~0.86MPa

安装步骤

INSTALLATION

一 如何安装水龙头

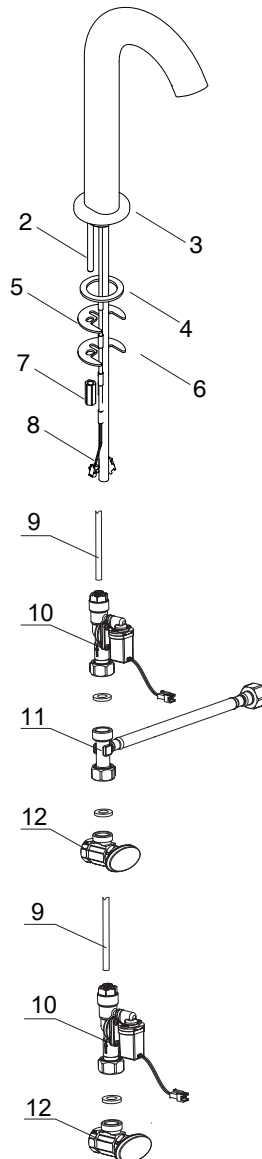
1. 龙头与面盆的安装固定

将固定螺杆(2)安装到水龙头底部(3)处。再把垫片(4)套在固定螺杆上。并嵌入水龙头底部的盘槽中。然后将电源线(8)和进水软管(9)穿过安装孔，从面盆下方将固定橡胶垫片(5)固定金属垫片(6)和固定螺母(7)对齐固定螺杆(2)向上套入。调整水龙头电源线(8)及进水软管(9)的位置。用扳手拧紧固定螺母(7)以便把水龙头固定在面盆上。

二 安装阀体组件

关闭角阀(12)。

对于冷热混水型的阀体组件安装是先 将三通进水软管组件的两端与角阀(12)连接，然后把阀体组件(10)进水口处的保护帽旋出，将阀体组件(10)进水口与三通进水软管组件(11)连接；对于单冷型的阀体组件安装是把阀体组件(10)进水口处的保护帽旋出，将主阀体组件(10)进水口与角阀(12)连接。



How to Install the Faucet

1. Fixing the faucet and lavatory

Install the mounting stud (2) to the bottom of the faucet (3), then slip the washer (4) over the mounting stud and put them into the groove on the spout. Insert the power wire (8) and supply hose (9) into the hole from underside of the lavatory. From underside of the lavatory, slide the rubber washer (5), meter washer (6) and fixed nut (7) onto the mounting stud (2). Tighten nut (7) to make faucet installed on the lavatory.

2. Install valve Assembly

Turn valve off (12).

For mixing water valve assembly installation, connect water inlet hose assembly to both ends of stop valve (12), then unscrew valve assembly (10) water inlet protection cap, connect valve assembly (10) inlet to Tee water inlet hose assembly (11); for cold water faucet installation, unscrew valve assembly (10) water inlet protection cap, connect valve assembly (10) inlet to valve (12).

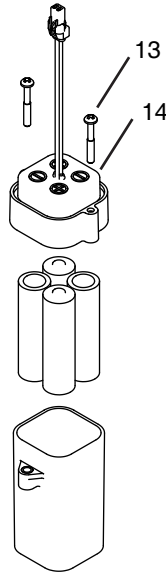
三 安装电池组件

1. 取出电池盒组件，旋松螺钉(13)，按电池盒盖(14)上的正负极标示装入4节5号电池，紧锁电池盒盖(14)的螺钉(13)后。

注意：电池极性不能装反，新旧电池不能混用。

2. 在合适的位置打孔，打入膨胀管，用自攻螺钉固定电池盒。将相同颜色接插件分别连接。

注意：接插件位置朝上。



Install Batteries

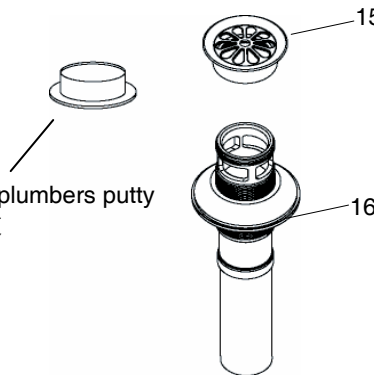
1. Take out battery box assy., and loosen the screws(13). Place 4 "AAA" batteries into the battery box according to negative and positive pole mark on the cover of battery box(14). Tighten the screws on the cover of battery box (14). Please do not mistake the battery polar, and do not mix the new and used batteries together.

2. Determine the installation location of battery box bracket per rough-in. Drill holes and place sheath in it. Fix battery box bracket with screws

四 如何安装排水组件

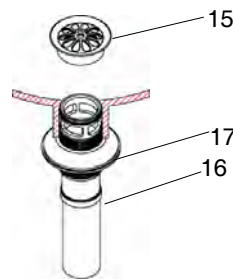
旋下排水器盘片(15)，在其底面沿周围涂上一圈密封油灰。把排水本体(16)由底下插入面盆。

Apply plumbers putty
涂油灰

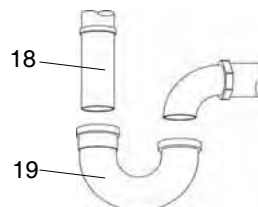


把排水器盘片(15)旋入排水本体(16)。从下方用手拧紧锁紧螺母(17)，去除多余的油灰。

注意：在锁紧螺母(17)拧紧后，不可再调整排水本体的位置，否则将会破坏油灰密封。



把尾管(18)接上存水弯(19)，尾管需插入存水弯25mm到55mm之间。



How to Install the Drain

Screw off the drain flange (15) from drain. Apply a ring of plumbers putty around underside of the drain flange(15). Insert the drain body(16) into the lavatory from the underside.

Thread the drain flange (15) onto the drain Body (16). Tighten the locknut (17) by hand from the underside of the fixture. Remove any excess putty.

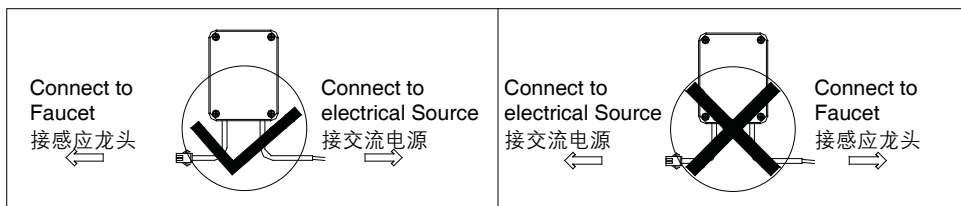
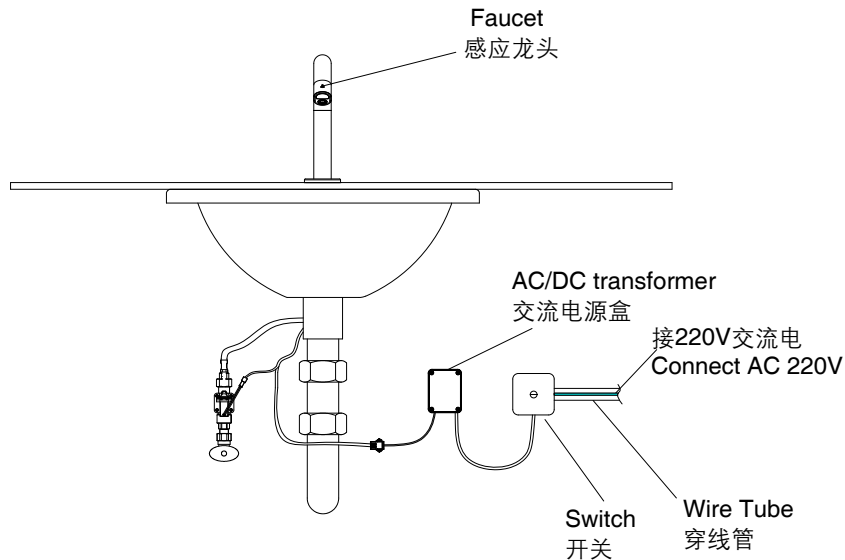
Note: Do not try to change the position of the drain after the locknut(17) is tightened, or you may break the putty seal.

Connect the tailpiece(18) to the trap(19). The tailpiece should extend 25mm to 55mm into the trap.

如何安装交流电源盒 (仅限于交流感应龙头)

HOW TO INSTALL THE AC/DC TRANSFORMER (ONLY USED WITH TOUCHLESS FAUCET, AC)

一个交流电源盒供一个感应龙头
Wire connection pattern for one to one



注意：禁止将交流AC220V接入直流DC接线端。

Note: Not allowed connect AC 220V electrical source to DC wire connector of AC/DC transformer

注：交流电源盒需另购。

Note: AC/DC transformer need to buy separately.

1. 电源盒(背面有不干胶)应安装在干燥, 不会被水淋湿、浸泡的位置。根据需要客户自备穿线管及连接线。穿线管安装在墙内。建议交流电源线采用带绝缘和护套层的电线, 导体标称截面积 $\geq 0.5\text{mm}^2$; 直流连接线采用导体标称截面积 $\geq 0.3\text{mm}^2$ 的电线。请严格按照上图进行连接。

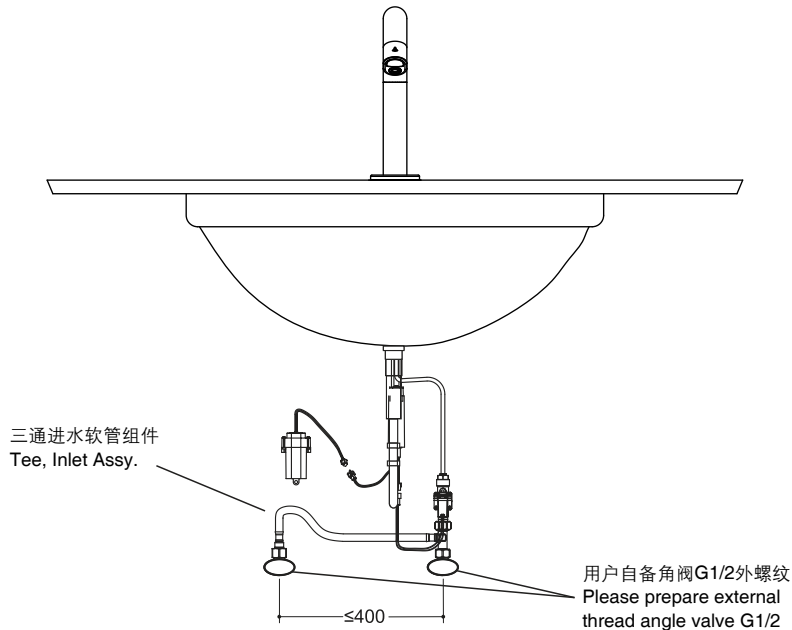
2. 排线完毕后, 应检查并确保所有排、接线无误, 再分别连接电源盒AC接线端与排线管内交流接线端, 以及电源盒DC接线端(黑橙线接头)与龙头的电源线接插件(从阀盒内引出的电线), 最后打开AC电源, 龙头进入30秒自动调距阶段, 此过程龙头不会出水。

1. Install AC power unit (sticker on the back) dry, and avoid showering, soaking from water. Customer prepare wire tube and wire according to requirement. Wire tube should be put into the wall. Suggested wire: AC connection wire should with insulated protecting layer or sleeve and the section should be bigger than 0.5mm^2 . The section of DC connection wire should be bigger than 0.3mm^2 . The connection pattern must according to illustrations above.

2. After wire layout finished, check and repair if needed. Then connect AC connector of AC/DC transformer to electrical source from the control box, and DC connector of AC/DC transformer to faucet. Turn on AC electrical power, Faucet will commence auto-sense mode which will take 30s. The faucet will not work this period.

如何转换成混水感应龙头
(若用户另购三通进水软管
管组件1284583-SP)

HOW TO CHANGE TO A MIXING
SENSOR FAUCET (If customer purchases
tee inlet assy 1284583-SP)



注：软管、三通请用户自备。

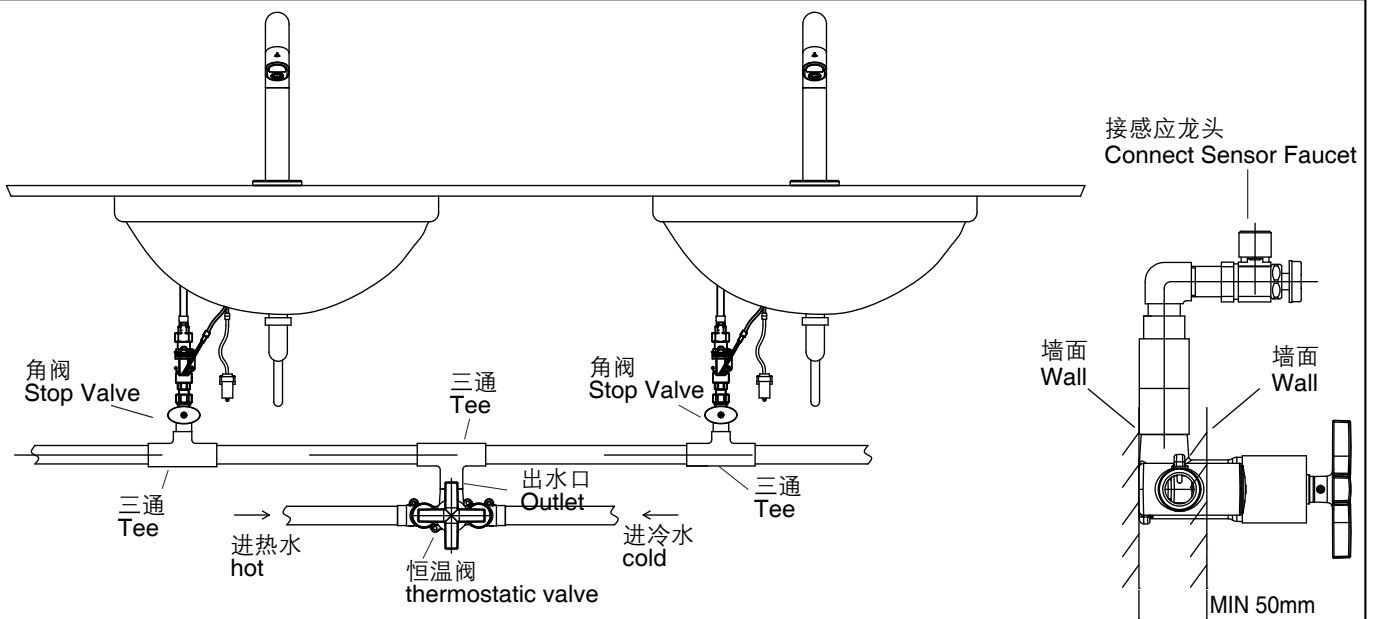
Note: Please let users prepare the hose and tee by themselves.

⚠ 建议使用科勒推荐的三通进水软管
组件，否则有冷热水互窜的风险。

⚠ It is recommended to use Kohler TEE inlet hose assembly,
otherwise there is a risk of cold and hot water mixing problem.

如何转换成恒温阀感应龙头
(若用户另购恒温阀16294T-3-CP,
具体安装详见其说明书)

HOW TO CHANGE TO THERMOSTATIC
SENSOR FAUCET (If users buy the
thermostatic valve 16294T-3-CP, the
installation refer to the manual of
16294T-3-CP)



注：软管、三通、角阀请用户自备。

Note: Please let users prepare the hose, tee and check
Valve by themselves.

安装结果检查

检查并确保所有衔接处都已拧紧，打开排水系统和主要供水源，检查并修理有漏水的接口。

INSTALLATION CHECKOUT

Check and ensure that all connections are tight. Open the drain. Turn on main water supply and check for leaks. Replace as required.

清理说明

适用于所有加工处理过的表面，以中性肥皂水清洗镀层表面，再以干净的软布彻底擦干整个表面。许多清洁剂，比如氨水，去污粉及洁厕灵等，会对电镀表面造成伤害，切忌使用。

有腐蚀性的清洁剂或溶剂不可使用于科勒的水龙头及其配件上。

CLEANING INSTRUCTIONS

All Finishes: Clean the finish with a mild soap and warm water. Wipe entire surface completely dry with a clean soft cloth. Many cleaners may contain chemicals, such as ammonia, chlorine, toilet cleaner etc. which could adversely affect the finish and are not recommended for cleaning.

Do not use abrasive cleaners or solvents on Kohler faucets and fittings.

用户须知

IMPORTANT CONSUMER INFORMATION

1. 感应指示灯的各种闪烁情况

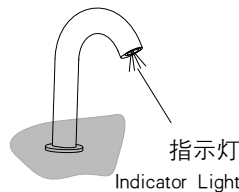
感应指示灯是使用者了解感应龙头有效、唯一的途径。所以明白了感应指示灯闪烁所代表的含义，可以正确使用感应龙头，如图所示：

(1) 快速闪烁，代表感应龙头正处于通电后的30秒自动调节阶段。期间，安装者、使用者不得干扰其自动调节，感应范围内不要放置物体。

(2) 间隔6秒钟闪烁一次（直流版本），表示电池即将使用完，请更换电池。

(3) 间隔2秒钟连续闪烁：若直流感应龙头，代表龙头电池耗尽，已停止工作，等待使用者更换电池；若交流感应龙头，表示为两种情况：一种为刚刚停电；另一种为在交流供电正常的情况下，则电源盒直流接线端接触不良。

(4) 在正常工作情况下，当有物体被感应时，龙头出水，感应指示灯闪烁一次。（龙头关闭，感应指示灯不闪烁。）



1. Note of the Indicator Flashing

The indicator is the only and effective way to learn the faucet's working conditions. So the users can use the sensor faucet correctly with knowing the meaning of the sensor indicator's flashing.

(1) Quick flashing means the faucet is in the period of adjusting sensing distance after power on for 30s. During these 30s, please do not disturb auto adjustment or place objects within the sensing range.

(2) The indicator flashes every 6 seconds (DC type) indicates that the unit is out of battery and has stopped working. Recharge batteries.

(3) The indicator flashes every 2s: as for DC type faucets, this indicates the unit is out of battery and ceases working. Please replace batteries. For AC faucet, it indicates two possibilities: one is that the unit is out of battery; or poor DC terminal contact under normal AC power supply.

(4) In normal condition, the water will flow and the indicator will flash one time when objects are inducted. (The indicator does not flash when faucet stops flowing.)

2. 超时出水控制

连续在感应状态下使用约一分钟，龙头自动止水。自动止水后，手或物体离开感应范围后，再次进入感应范围内，龙头正常工作，否则无反应。

2. Overtime Flowing Control

When the faucet works for about 1 minute continuously, the water will be shut off automatically. After that, objects must be removed from the sensing range. Then the water will flow when objects go into the sensing range again. Otherwise, the faucet will not work.

3. 清洗过滤系统

该感应龙头的阀体组件内已包含了优良的过滤装置。如管内杂质过多或水质较差，长期使用会引起出水情况不良。请按以下步骤清洗过滤装置：

(1) 关闭角阀。

(2) 将主阀体组件取下，拿出滤网，用水冲洗完毕后，重新装入。

注意：在清洗完滤网后，不要遗失平垫。

3. Clean the Filtration System

The faucet includes connector assembly with high quality filtration system. If there is a lot of debris in the supply pipes or the quality of water is bad, it will cause the flow in bad condition. Please clean th filtration system as following steps:

(1) Close the angle valve.

(2) Remove the valve assembly and take out the filter for cleaning, then re-install it.

Notice: Make sure to install the filter washer after cleaning the filter

4. 自动清洗存水功能

感应龙头长期处于不使用状态时，每间隔24小时自动冲水一段时间排出龙头内的存水。

4. Self-Cleaning the stagnant water

When the faucet is no used for a long period of time, it will automatically flush to discharge the stagnant water inside the faucet every 24hrs.

常见故障排除

以下部分故障现象可通过指示灯闪烁情况识别。（参考“感应指示灯的各种闪烁情况”）

现象	原因	处理方法
不出水 (感应指示灯不闪烁)	无电池或电池装反(直流电) 无电源或接线有误(交流电) 感应范围内有其它物体 感应窗口较脏 接线端未插好、插错	检查电池 检查总电源和接线情况 移开物体 清洁窗口 检查接线端
感应指示灯每2秒快速闪烁1次而不出水	电池耗尽(直流电) 刚刚停电(交流电) 直流或交流接线端接触不良	更换电池 检查总电源 重新连接接插件
感应指示灯闪烁 不出水	刚装机完毕 阀体组件关闭 起泡器脏堵过 滤装置堵塞	等待30秒 打开阀体组件 清洗起泡器 清洗过滤装置
感应指示灯闪烁 出水量小	阀体组件是否彻底打开 过滤装置堵塞 起泡器脏 水压太低	用内六角扳手逆时针旋转阀体组件的调节螺栓 清洗过滤装置 清洗起泡器 检查供水系统
约一分钟以内不止水 (感应指示灯不闪烁)	感应范围内有物体	移开物体
感应指示灯每3秒快速闪烁1次而能感应出水	电池电量不足(直流电)	尽快更换电池
感应指示灯每1秒快速闪烁3次而不出水	所用电池为旧电池(直流电)	更换电池

如按以上操作仍未解除故障，请与销售商或科勒(中国)投资有限公司联系。

除安装更换电池外，请勿随意拆卸龙头其它部件。

TROUBLE SHOOTING

Some trouble symptoms can be identified by the indicator's flashing. (Refer to "Note of the Indicator Flashing")

Symptoms	Probable Causes	Corrective Action
No water flow (Indicator not flashing)	No battery or wrongly connected No power supply or wrong connection Object in sensing range Dirt on the sensing window The connector does not connect well	Check the batteries Check the power supply and the connection Remove the object Clean the sensing window Check the connector
The indicator flashes 1 times every second and the water doesn't flow out.	Batteries are out of power Just power cut DC or AC connector of AC/DC transformer may not connect well	Replace batteries Check the power supply Reconnect the connector
No water flow while the indicator flashes	Just finishing installation The connector assemblies are closed Aerator is blocked The filter is blocked	Wait for 30s Open the connector assemblies Clean the aerator Clean filter
Low water flow while the indicator does not flash	The connector assemblies are not open completely The filter is blocked Aerator is dirty The supply water pressure is lower	Turn counterclockwise the adjustment bolts on connector assemblies with the hex wrench Clean filter Clean the aerator Check the water supply system
Keep water out within 1 minute while indicator does not flash	Object in sensing range	Remove object
The indicator flashes every 3 seconds and the water flow out.	Batteries are out of power	Replace batteries
The indicator flashes 3 times every second and the water doesn't flow out.	Batteries are out of power	Replace batteries

Please contact with distributor or Kohler China Investment Co., Ltd., if the trouble remains after above-mentioned actions are taken. Please do not disassembly the other parts of the faucet freely except installing and replacing batteries.

产品中有害物质含量的说明

回收提示

本产品超过使用期限或经过维修无法正常使用后，不应随意丢弃，请交由有废弃电器电子产品处理资质的企业处理，正确的处理方法请查阅国家或当地有关废旧电器电子产品处理的规定。

有害物质统计表

部件名称	有害物质名称					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬(Cr(VI))	多溴联苯(PBB)	多溴二苯醚(PBDE)
外壳组件	×	○	○	○	○	○
阀体组件	×	○	○	○	○	○
控制盒组件	×	○	○	○	○	○
*电池盒组件	○	○	○	○	○	○
*电池	○	○	○	○	○	○
*交流电源盒	○	○	○	○	○	○
*进水组件	×	○	○	○	○	○
附件类	○	○	○	○	○	○

○：表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572现行有效版本规定的限量要求以下。

×：表示有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572现行有效版本规定的限量要求。

*：表示部分机型含有该部件。

注：本表格提供的信息是基于供应商提供的数据及科勒公司的检测结果。本产品应用环保设计理念，在当前技术水平下，所有有害物质或元素的使用已经控制到了最低程度，科勒公司会继续努力通过改善现有技术来减少这些物质的使用。



本产品的“环保使用期限”为10年，科勒公司根据产品设计特性指定该期限。只有在本产品使用说明书所述的正常情况下使用本产品时，“环保使用期限”才有效。

Description of Content of Hazardous Substances in Product

Reclaim Indication

When the product exceeds service life or is unable to use after repair, do not throw the product away in the normal trash. Please dispose the waste electronic parts through a qualified reclamation enterprise. Make sure the product is handled properly. Disposing of product must be done in accordance with the local or national government law.

Statistics of Contents of Toxic or Hazardous Substances or Elements

Part name	Toxic or Hazardous Substance or Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)
Cover Assy.	×	○	○	○	○	○
Valve Assy.	×	○	○	○	○	○
Control Box Assy.	×	○	○	○	○	○
*Battery Box Assy.	○	○	○	○	○	○
*Battery	○	○	○	○	○	○
* AC Power Box	○	○	○	○	○	○
* Water Inlet Assy.	×	○	○	○	○	○
Accessories	○	○	○	○	○	○

- : Indicates that the substance in the material composition is below the high limits of the current requirements in GB/T26572.
- ×
- × : Indicates that at least one of the homogeneous substance in the material composition is below the high limits of the current requirements in GB/T 26572.
- * : Indicate only partial product series contains this substance.

Note: the information provided is based on the supplier data and Kohler inspection results. The product is designed not to hurt the environment. Under current technology, all hazardous materials have been used in the smallest amounts possible. Kohler will strive to reduce the use of these hazardous materials used in this product.



The product "service life for environment protection" is 10 years; Kohler Company will specify product service life based on product characteristics. The product "service life for environment protection" is only effective when the product is used as described in the product specification.