BEFORE YOU BEGIN

Please read these instructions carefully to familiarize yourself with the required tools, materials, and installation sequences. Follow the sections that pertain to your particular installation. This will help you avoid costly mistakes. In addition to proper installation, read all operating and safety instructions.

All information in these instructions is based upon the latest product information available at the time of publication. Kohler China reserves the right to make changes in product characteristics, packaging, or availability at any time without notice.

These instructions contain important care, cleaning, and warranty information - please leave instructions for the consumer.

RECOMMENDED TOOLS AND MATERIALS

- Strap Wrench
- Hacksaw
- Blade Screwdriver
- Safety Glasses
- Thread Sealing Compound

SENSOR SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>K-10956</th>
<th>K-10957</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>AA Alkali battery x 4</td>
<td></td>
</tr>
<tr>
<td>Average liter per flushing</td>
<td>Water pressure at 0.18~0.55 MPa, no more than 4.85L</td>
<td>Water pressure at 0.18~0.55 MPa: no more than 6L</td>
</tr>
<tr>
<td>Temperature</td>
<td>Environmental temperature: 1 to 55°C</td>
<td></td>
</tr>
<tr>
<td>Supply pressure</td>
<td>0.14~0.55MPa</td>
<td></td>
</tr>
<tr>
<td>Flushing mode</td>
<td>Flush one after individual departs</td>
<td></td>
</tr>
<tr>
<td>Eco-friendly flusher</td>
<td>Automatic flush every 24-hour non-use period</td>
<td></td>
</tr>
<tr>
<td>Used with</td>
<td>Toilet K-4405, K-4406, Toilet K-4330, K-4338, K-4350</td>
<td></td>
</tr>
<tr>
<td>Sensing mode</td>
<td>Tripoint technology</td>
<td></td>
</tr>
</tbody>
</table>

INSTALLATION INSTRUCTIONS AND MAINTENANCE GUIDE

EXPOSED ELECTRONIC VALVE
K-10956/K-10957

EXPOSED ELECTRONIC VALVE
K-10958

SENSOR SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>K-10956</th>
<th>K-10957</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>4节5号碱性电池</td>
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</tr>
<tr>
<td>Average liter per flushing</td>
<td>水压为0.18~0.55MPa, 时不大于4.85L</td>
<td>水压为0.18~0.55MPa, 时不大于6L</td>
</tr>
<tr>
<td>Temperature</td>
<td>环境温度：1~55°C</td>
<td></td>
</tr>
<tr>
<td>Supply pressure</td>
<td>0.14~0.55MPa</td>
<td></td>
</tr>
<tr>
<td>Flushing mode</td>
<td>人离开后冲洗一次</td>
<td></td>
</tr>
<tr>
<td>Eco-friendly flusher</td>
<td>24小时内无人使用，自动冲水一次</td>
<td></td>
</tr>
<tr>
<td>Used with</td>
<td>座便器K-4405, K-4406, 座便器K-4330, K-4338, K-4350</td>
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</tr>
<tr>
<td>Sensing mode</td>
<td>距离定位传感技术</td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>K-10958</td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>----------</td>
<td></td>
</tr>
<tr>
<td>Power</td>
<td>AA Alkali battery × 4</td>
<td></td>
</tr>
<tr>
<td>Average Liter per flushing</td>
<td>Water pressure at 0.18~0.55 MPa, no more than 1.9L</td>
<td></td>
</tr>
<tr>
<td>Temperature</td>
<td>Environmental temperature: 1 to 55°C</td>
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<tr>
<td>Eco-friendly flusher</td>
<td>Automatic flush every 24-hour non-use period</td>
<td></td>
</tr>
<tr>
<td>Used with</td>
<td>Urinal K-4960T-ET</td>
<td></td>
</tr>
<tr>
<td>Sensing mode</td>
<td>Tripoint technology</td>
<td></td>
</tr>
</tbody>
</table>

### ROUGHING-IN

**K-10956, K-10957**

![Dimension Diagram](image_url)
A. Before You Begin

IMPORTANT! The sticker covering the sensor eyes must remain in place when valve is not installed.

Install the fixture according to the manufacturer’s instructions.
Install rough water supply piping according to the roughing-in illustration.
Flush the supply piping in order to remove any debris from the supply line.
Shut off the main water supply.
This atmospheric vacuum breaker shall not be subjected to a continuous pressure for more than twelve hours.
The device shall be installed in accordance with the requirements of the local plumbing code.
The device shall not be installed where the venting of water from the device, during normal functioning, causes damage.
The device shall be installed downstream of the last valve.

A. 安装准备工作

重要！没有安装冲洗阀时，覆盖感应窗口的不干胶必须保留。

根据生产商的指示安装固定设备。
根据安装尺寸图说明安装供水管道。
对供水管道进行冲水，以清除供水线路里的污渍和碎屑。
关闭主供水。
真空断路器不应遭受超过十二小时的连续压力。
设备安装应符合当地管道规范的要求。
在正常运行过程中，设备水出口受损处不应安装此设备。
设备应安装在最后一个阀门的下游。
B. Installation

1. Install the Control Stop

**IMPORTANT!** Flush the water supply line and then turn off the water supply.

Cut the water supply tube and sweat-solder the 1” male NPT threaded adapter to it.

**NOTE:** Install the adapter so that the centerline of the externally threaded control stop arm matches the centerline of the spud when assembled.

Place the wall flange over the water supply tube and slide it against the finished wall.
Place the sleeve over the water supply tube. If required, cut the sleeve to size.

**NOTE:** Use thread sealing compounds only on male NPT threads.

Apply thread sealant to the male NPT threaded adapter.
Thread the control stop valve onto the threaded adapter.
Thread the stop cap onto the control stop using a strap wrench.
Use a strap wrench in order to tighten the control stop and align the outlet to the valve inlet.

**IMPORTANT!** Use a strap wrench to remove the stop cap.
Turn the supply stop screw counterclockwise until it is in the fully open position.

2. Install the Vacuum Breaker and Valve

**NOTE:** Insert the components in the order specified.

Place the vacuum breaker into the tailpiece.
Place the fiber washer onto the vacuum breaker.
Slide the large tube nut over the bottom of the tailpiece and tighten it to the valve body with the strap wrench.
Slide the coupling nut, escutcheon, fiber washer, and rubber seal over the end of the tailpiece.
Assemble the valve body to the control stop by hand tightening the inlet arm nut. Align the tailpiece with the toilet's spud.
Slide the escutcheon over the spud.
Hand tighten the coupling nut to the spud.

B. 安装

1. 安装止水阀

**重要！**利用供水管路进行冲水，然后关闭供水。

剪断供水管，然后将1”NPT外螺纹接头焊接到供水管上。

**注意：**安装接口，确保安装时止水阀的外螺纹臂的中心线和进水接头的中心线相吻合。

将入墙法兰装在供水管道上，并将其朝墙体方向滑动。

将套管套在供水管上。如果需要，切割套管以获得所需尺寸。

**注意：**螺纹密封胶只可涂在NPT外螺纹的螺纹上。

在NPT外螺纹接头上涂上螺纹密封胶。
将止水阀阀门安装到螺纹接头上。
使用带扳手将止水阀盖安装到止水阀上。

使用带扳手拧紧止水阀，并确保其出口与阀体进口对齐。

2. 安装真空破坏器和冲洗阀

**注意：**根据指定的顺序插入组件。

将真空断路器装入尾管。
将纤维垫片安装到真空断路器上。
将管道大螺母滑到尾管底部，使用带扳手拧紧螺母，将其连接到阀体上。
将联结螺母、装饰罩、纤维垫片和橡胶密封圈滑到尾管的尾部。
手动拧紧进水管臂螺母，将阀体安装到止水阀上。将尾管和座便器的进水接头对齐。

将装饰罩滑到进水接头上。
手动拧紧联结螺母，将其固定到进水接头上。
3. Verify Valve Function

**NOTE:** The valve is programmed with a 24-hour cleaning flush feature.

Approach the fixture and stand in front of the sensor. After 10 seconds, step away from the fixture. After a short delay, the valve should flush. Confirm that the flush ends.

**IMPORTANT!** According to the real use, use a strap wrench to remove the stop cap. Turn the supply stop screw to achieve ideal flushing performance.

Later, verify that the valve performed the 24-hour cleaning flush.

**NOTE:** If required, troubleshoot according to the Troubleshooting Table in the Maintenance Guide.

3. 检验阀门功能

**注意:** 阀门已预设了24小时自动冲洗功能。

靠近设备，站立于感应器前。10秒钟后，离开设备。短暂延迟后，阀体应开始冲水。

确认冲洗结束。

**重要!** 根据实际冲洗情况，可以使用带扳手拆下止水阀盖，适量调节止水阀螺钉，以获得理想的冲洗效果。

确认阀体24小时自动冲洗功能正常。

**注意:** 如果需要，根据维修指南中故障排除部分的指示排除故障。
Low Battery Indication

The "AA" alkaline batteries can be expected to last for two to three years before replacement is required. When the battery reaches a certain point in its lifetime, the valve announces the low battery condition by continuously flashing an LED whenever a user is in range. The batteries are easily replaced as described in the section "Replace the Batteries" in this guide.

Replacement batteries can be purchased from drugstores or other stores stocking batteries. The batteries are standard 1.5 volt "AA" alkaline cells (four required).

Seasonal Use

The exposed electronic valve is not designed for operation in freezing conditions. If freezing conditions are expected, isolate and drain the valve along with whatever other winterization steps are taken for the facility.

Mobile Use

The exposed electronic valve is not designed for use in moving environments such as boats.

Care and Cleaning

For best results, keep the following in mind when caring for your KOHLER product:

- Use a mild detergent such as liquid dishwashing soap and warm water for cleaning. Do not use abrasive cleaners that may scratch or dull the surface.
- Carefully read the cleaner product label to ensure the cleaner is safe for use on the material.
- Always test your cleaning solution on an inconspicuous area before applying to the entire surface.
- Do not allow cleaners to sit or soak on the surface. Wipe surfaces clean and rinse completely with water immediately after cleaner application. Rinse and dry any overspray that lands on nearby surfaces.
- Use a soft, dampened sponge or cloth. Never use an abrasive material such as a brush or scouring pad to clean surfaces.

MAINTENANCE GUIDE

The guide is designed for troubleshooting and settling valve malfunction.

In case problems occur:
- Go through troubleshooting section for possible cause.
- Follow maintenance and service instructions in this manual to perform servicing.
- See service parts section for P/N for replacement components.

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- Use a soft, dampened sponge or cloth. Never use an abrasive material such as a brush or scouring pad to clean surfaces.
Control Stop Valve Operation

**Note:** Remove stop cap with strap wrench and adjust valve location.

According to following steps to open and close stop valve. Use a strap wrench to remove the vandal resistant cap from the control stop valve. Close the stop valve by turning the valve screw clockwise as far as it can go. Open the stop valve by turning the valve screw counterclockwise as far as it can go. When done, place the stop cap on the control stop valve.

---

Remove the DC Sensor

Follow the following steps to remove DC sensor and batteries.

1. Close the control stop valve (refer to the “Control Stop Valve Operation” section).
2. Using a 3/32” hex head wrench, remove the setscrew from the valve cap.
3. Remove the cap by carefully lifting from the valve body.
4. Disconnect the DC sensor connector to the solenoid by grasping each side of the connector pair and pulling apart. Do not separate the connector pair by pulling on the wires.
5. Position the cap on its side and look inside.
6. Remove the wedge clip that holds the DC sensor in place inside the cap.
7. Turn the cap over and slide the sensor into your hand.

**NOTE:** The batteries inside the sensor may be considered hazardous waste. Discard the old sensor and/or batteries in accordance with any applicable codes.

If replacing the DC sensor, discard the old DC sensor and Batteries.
Replace the Batteries

**CAUTION:** Risk of property damage. Do not over tighten the screws as plastic threads can be readily damaged.

**NOTE:** Replacement batteries can be purchased from most convenience stores. The batteries are 1.5 volt "AA" alkaline batteries.

This unit requires four batteries.

**NOTE:** If replacing the sensor, adapt this procedure to install a battery in the new sensor unit before installing the sensor.

It is not necessary to remove the sensor from the cap to replace the batteries. Use a 3/32" hex head wrench to remove the two screws from the bottom of the DC sensor. Remove the battery holder assembly. If necessary, use a small flat bladed screwdriver to pry the batteries from the battery holder.

**NOTE:** The batteries may be considered hazardous waste. Discard the old batteries in accordance with any applicable codes.

Remove and discard the old batteries. Align the new batteries so that the metal pole on the battery will contact the metal electrodes in the battery holder. Take care to install each battery in the proper orientation, as shown on the battery holder. Insert the new batteries into the battery holder. Reinstall the battery holder assembly.

Install the DC Sensor

**CAUTION:** Risk of property damage. Ensure that the unit's wires are not caught between the cap and the valve body.

Hold the cap horizontally with the sensing holes down and align the DC sensor with the cap. Slide the DC sensor into the cap until the sensor eyes align with the holes in the cap. Ensure the sensor wires are not pinched and the DC sensor connector hangs free. Slide the wedge clip between the DC sensor and the cap until snug. Connect the DC sensor connector to the solenoid connector on the valve. Ensure that the connector pair is fully seated. Locate the connector assembly adjacent to the sensor body to prevent pinching when cap is reinstalled on the valve.

更换电池

**警告:** 存在产品受损危险。请勿过度拧紧螺丝，否则塑料螺纹容易受损。

**注意:** 更换电池请遵循以下步骤;

更换电池后无需将感应器从外壳内取出。

使用3/32”六角扳手，松开直流感应器底部的两个螺丝。

取出电池盒组件，如果需要，使用小的平头螺丝刀将电池从电池盒中取出。

**注意:** 感应器内的废弃电池应小心处理，请根据当地适用的规范处理废弃感应器和电池。

安装直流感应器

**警告:** 存在产品受损危险。请勿过度拧紧螺丝，否则塑料螺纹容易受损。

水平握住外壳，确保其感应孔朝下，将直流感应器装置与外壳对齐。

将直流感应器装置滑入盖中，直到感应头对准外壳上的孔。

将卡夹插入直流感应器与外壳之间直至插紧。

将直流感应器接头连接到阀体的电磁阀接头上，确保接头对安装到位。

将接头装置安装在紧贴感应器主体的位置，以防止接头组件在外壳中安装时受损。
Place the cap on the valve body.
Align the sensor eyes toward the user.
Secure the cap with the setscrew.
Open the control stop valve (refer to the "Control Stop Valve Operation" section).
Reinstall the stop cap onto the control stop and tighten firmly with a strap wrench.
Verify that the valve functions.

Remove the Solenoid

Follow the following steps to remove solenoid from the valve body.

Close the control stop valve (refer to the "Control Stop Valve Operation" section).

NOTE: If the unit has not flushed since the stop valve was closed, the inlet arm may still be pressurized. Use the manual flush button to release pressure.

Use a 3/32" hex head wrench to remove the setscrew from the cap.
Remove the cap by lifting from the valve body.
Disconnect the DC sensor connector from the solenoid connector by pulling the two connectors apart.
Temporarily store the cap and DC sensor assembly in a safe place.
Use an adjustable wrench to remove the solenoid assembly from the valve body by unscrewing.
Install the Solenoid

**CAUTION: Risk of property damage.** Do not overtighten the solenoid as damage to the solenoid can occur.

**CAUTION: Risk of property damage.** Ensure that the solenoid wires are not caught between the cap and the valve body.

Follow the following steps to remove solenoid from the valve body.

Align the solenoid to the hole in the piston cover. Install the solenoid and tighten with an adjustable wrench by turning clockwise. Connect the DC sensor connector to the solenoid connector and locate the connector assembly next to the sensor body to avoid pinching. Place the cap on the valve body and secure with the setscrew. Open the control stop valve (refer to the "Control Stop Valve Operation" section).

Clean the Screen/Replace the Piston

**NOTE:** A screen (part of the piston assembly) is provided to keep debris from clogging the bleed hole. The screen may require periodic cleaning.

Perform the following steps in order to clean the screen or replace the piston:

Close the control stop valve (refer to the "Control Stop Valve Operation" section).

**NOTE:** If the unit has not flushed since the stop valve was closed, the inlet arm may still be pressurized. Use the manual flush button to release pressure.

Use a 3/32" hex head wrench to remove the setscrew from the cap. Remove the cap from the valve body. Disconnect the DC sensor connector from the solenoid connector by pulling the connectors apart. Temporarily store the cap and DC sensor in a safe place. Use a large adjustable wrench to remove the large retaining nut from the valve body. Remove the piston cover by pulling up gently on the solenoid. Remove the piston from the valve body.

**NOTE:** If required, vinegar may be used in order to remove hard water deposits.

安装电磁阀

**警告：存在产品受损危险。** 请勿过度拧紧螺丝，否则电磁阀可能受损。

**警告：存在产品受损危险。** 确保装置的线路没有被外壳和阀体夹住。

请遵循以下步骤将电磁阀安装到阀体上：

将电磁阀对准活塞盖上的孔。将电磁阀安装到阀体上，使用活动扳手顺时针方向旋转将其拧紧。将传感器接头连接到电磁阀接头上，接头装置应安装在紧邻感应器主体的位置，以防受损。将外壳安装到阀体上，利用定位螺丝固定外壳。打开止水阀阀体（参照“止水阀操作”章节）。

清洁过滤网/更换活塞

**注意：** 随产品附带的过滤网（活塞装配部件）可有效过滤通过气孔进入的杂质。过滤网需要定期清洁。

遵循以下步骤清洁滤网或更换活塞。

关闭止水阀（参照“止水阀操作”章节）。

**注意：** 如果因为止水阀关闭而装置不能冲水，则进水管路将过度受压。此时请按下手动冲水按钮释放压力。

使用3/32"六角扳手，将定位螺丝从外壳上移除。

从阀体上拆下外壳。将两个接头分开，断开直流感应器接头和电磁阀接头。暂时将外壳和直流感应器妥善保存。使用大的活动扳手，将大的固定螺丝从阀体上拆除。轻轻地拔起电磁阀，卸下活塞外壳。从阀体内取出活塞。

**注意：** 如果需要，可以使用醋清洗硬水沉淀物。
Using gentle brushing and rinsing, remove all debris from the screen on the piston.

**NOTE:** Replace the piston as a complete assembly only. The piston and screen are not serviced separately.

Insert the piston into the valve body. Insert the piston cover (with attached solenoid) into the valve body. Place the O-ring on top of the piston cover.

**NOTE:** If the nut is not fully tightened, the valve will run continuously.

Thread the large retaining nut into the valve body and securely wrench tighten. Connect the DC sensor connector to the solenoid connector. Place the cap on the valve body and secure with the setscrew. Open the control stop valve (refer to the "Control Stop Valve Operation" section). Verify that the valve functions.

---

**Clean/Replace the Diaphragm**

⚠️ **CAUTION:** Risk of product damage. Ensure that the unit's wires do not get caught between the cap and the valve body.

Close the control stop valve (refer to the "Control Stop Valve Operation" section).

**NOTE:** If the unit has not flushed since the stop valve was closed, the inlet arm may still be pressurized. Use manual flush button to release pressure.

Use a 3/32" hex head wrench to remove the setscrew from the cap. Remove the cap from the valve body. Disconnect the DC sensor connector from the solenoid connector by pulling the connectors apart. Temporarily store the cap and DC sensor assembly in a safe place. Use an adjustable wrench to remove the solenoid. Remove the diaphragm.

**NOTE:** Take care not to lose the spring and pin contained within the solenoid assembly.
Rinse any debris from the diaphragm.
Verify the spring and pin are still in place in the solenoid Assembly.
If replacing, insert a new diaphragm onto the solenoid assembly.
Thread the solenoid into the piston cover and tighten with an adjustable wrench.
Verify the piston remains in place.
Install the solenoid/cover assembly into the valve body.
Connect the DC sensor connector to the solenoid connector.
Place the cap on the valve body and install the two screws.
Open the control stop valve (refer to the "Control Stop Valve Operation" section).
Verify that the valve functions.

Replace the Vacuum Breaker

Close the control stop valve (refer to the "Control Stop Valve Operation" section).

NOTE: If the unit has not flushed since the stop valve was closed, the inlet arm may still be pressurized. Use manual flush button to release pressure.

Use a large adjustable wrench to loosen the large tube nut at the base of the valve body. Let the tube nut slide down the tailpiece.
Gently rotate the top of the valve body away from you while pulling the top of the tailpiece toward you to separate the tailpiece from the valve body. The vacuum breaker should now be exposed for removal.
Remove the loose fiber washer and vacuum breaker from the tailpiece. Discard both the fiber washer and vacuum breaker.
Install a new vacuum breaker into the tailpiece and place a new fiber washer on the top of the vacuum breaker.
Gently rotate the tailpiece and valve body back together until the large tube nut can be threaded onto the bottom of the valve body.

Close the control stop valve (refer to the "Control Stop Valve Operation" section).

NOTE: If the unit has not flushed since the stop valve was closed, the inlet arm may still be pressurized. Use manual flush button to release pressure.

Use a large adjustable wrench to loosen the large tube nut at the base of the valve body. Let the tube nut slide down the tailpiece.
Gently rotate the top of the valve body away from you while pulling the top of the tailpiece toward you to separate the tailpiece from the valve body. The vacuum breaker should now be exposed for removal.
Remove the loose fiber washer and vacuum breaker from the tailpiece. Discard both the fiber washer and vacuum breaker.
Install a new vacuum breaker into the tailpiece and place a new fiber washer on the top of the vacuum breaker.
Gently rotate the tailpiece and valve body back together until the large tube nut can be threaded onto the bottom of the valve body.

Open the control stop valve (refer to the "Control Stop Valve Operation" section).

Verify that the valve functions.
Tighten large tube nut with a large adjustable wrench.
Open the control stop valve (refer to the "Control Stop Valve Operation" section).
Verify that the valve functions.

使用大的活动扳手拧紧管道大螺母。
打开止水阀阀体（参照“止水阀操作”章节）。
确认阀体功能正常。
Replace the Flush Button Assembly

Close the control stop valve (refer to the "Control Stop Valve Operation" section).

**NOTE:** If the unit has not flushed since the stop valve was closed, the inlet arm may still be pressurized. Use manual flush button to release pressure.

Carefully place a properly sized spanner wrench or a pair of needle nose pliers into the holes on the end of the flush button. Remove the flush button assembly from the valve body.

**NOTE:** The flush button can only be serviced as a complete assembly. There are no serviceable internal parts.

Carefully thread a new flush button assembly into the valve body. Tighten with a spanner wrench or needle nose pliers. Open the control stop valve (refer to the "Control Stop Valve Operation" section). Verify that the valve functions.

**NOTE:**

- Valve Body
- Flush Button Assembly
- Holes

更换冲水按钮装置

关闭止水阀阀体（参照“止水阀操作”章节）。

注意：如果因为止水阀关闭而装置不能冲水，则进水管臂将过度受压。此时请按下手动冲水按钮释放压力。

小心地将尺寸合适的扳手或者弯嘴钳放入冲水按钮末端的孔，将冲水按钮装置从阀体拆除。

注意：冲水按钮只可作为整体进行维护，而内部零部件不能单独进行维护。

小心地将一个新的冲水按钮装置安装到阀体上。

使用扳手或者弯嘴钳拧紧。

打开止水阀阀体（参照“止水阀操作”章节）。

确认阀体功能正常。
TROUBLESHOOTING

Troubleshooting Tips

This troubleshooting guide is for general aid only. The steps are recommended rather than required. This guide should provide an indication of the probable fault and a suggested correction. For warranty service, contact your dealer or wholesale distributor.

All work should be performed by properly qualified or licensed personnel as required by local codes.

Troubleshooting Table

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Probable Cause</th>
<th>Recommended Action</th>
</tr>
</thead>
</table>
| 1. No flow                     | A. Water not turned on                                                         | • Verify that the water supply is turned on and that water pressure is at a minimum of 20 psi (1.4 bar).  
• Verify that the control stop is fully in the open position. |
|                                | B. Loose connection                                                            | • Remove the valve cover.                                                            |
|                                | C. Wires are pinched or damaged                                                 | • Check the connection from the sensor to the solenoid.                               |
|                                |                                                                                 | • Remove the valve cover.                                                            |
|                                |                                                                                 | • Inspect the wires for cuts or damage.                                              |
|                                |                                                                                 | • If required, order a new solenoid or a new sensor assembly.                         |
|                                |                                                                                 | • Verify that both wires are tucked inside the cover before reassembling.            |
|                                | D. Battery life expired                                                        | • NOTE: The unit requires four standard 1.5 volt “AA” alkaline batteries. This item is not available from Kohler but can be purchased at convenience stores.  
• Follow the directions of “Replace the Batteries” section in this guide. |
<p>|                                | E. Solenoid broken                                                             | • Order a new solenoid service kit.                                                   |
|                                | F. Sensor eyes are scratched                                                    | • Replace the sensor assembly. Follow the directions of ”Remove the DC Sensor” and ”Install the DC Sensor” sections in this guide. |
|                                | G. Bleed hole in diaphragm plugged or debris on seal                           | • Follow the directions of Clean/Replace the Diaphragm section in this guide.         |
|                                |                                                                                 | • NOTE: Take care to replace the diaphragm in its seat before installing it into the valve body. |
| 2. Low flow                    | A. Supply stop not fully open                                                  | • Remove the cover on the end of the supply stop.                                   |
|                                | B. Supply stop not allowing enough flow                                         | • Turn the supply stop screw counterclockwise until it is in the fully open position. |
|                                | C. Supply pressure is low                                                       | • Replace the cover.                                                                |
|                                |                                                                                  | • Remove the cover on end of the supply stop.                                        |
|                                |                                                                                  | • While testing the flush, adjust the supply stop screw counterclockwise until adequate flow is achieved. |
|                                |                                                                                  | • Replace the cover.                                                                |
| 3. Constant flow               | A. Filter is plugged                                                           | • Check any filtration systems for blockage.                                        |
|                                | B. Diaphragm seal is dirty or damaged                                          | • Measure the incoming water pressure. Minimum pressure should be 20 psi (1.4 bar). |
|                                |                                                                                  | • Follow the directions of ”Clean the Screen/Replace the Piston” section in this guide. |
|                                |                                                                                  | • Follow the directions of ”Clean/Replace the Diaphragm” section in this guide.      |
|                                |                                                                                  | • NOTE: Take care to replace the diaphragm in its seat before installing it into the valve body. |
|                                |                                                                                  | • If the diaphragm is cut or torn, order a new diaphragm Assembly.                   |
|                                | C. Solenoid not working                                                        | • Order and install a new solenoid assembly.                                         |
|                                |                                                                                  | • Follow the directions of ”Remove the Solenoid” and ”Install the Solenoid” sections in this guide. |</p>
<table>
<thead>
<tr>
<th>Symptoms</th>
<th>Probable Causes</th>
<th>Corrective Actions</th>
</tr>
</thead>
</table>
| 4. Sporadic flow | A. Wires are pinched or damaged | • Remove the valve cover.  
• If wires are cut or damaged, order new solenoid or sensor assembly.  
• Verify that both wires are tucked inside the cover before reassembling. |
| | B. Low battery | • Follow the directions of Replace the Batteries section in this guide. |
| 5. Water leaking from the vacuum breaker connection with valve | A. Vacuum breaker is defective, worn, or damaged | • Turn off the water supply.  
• Purge the valve.  
• Disconnect the valve from the vacuum breaker assembly.  
• Replace rubber vacuum breaker.  
• Reassemble the valve to the vacuum breaker assembly. |
| 6. Water leaking from valve inlet | A. Arm to control stop seal is worn or damaged | • Turn off the water supply.  
• Purge the valve.  
• Disconnect the valve from the control stop.  
• Inspect the O-ring seal for the control stop to inlet connection.  
• Clean any debris from area.  
• If the O-ring is cut or torn, order a replacement.  
• Reassemble the unit, taking care to tighten the nut onto the control stop. |
| 7. LED signal from sensor | A. Repeats once per second when in range of sensor and valve activates | • Batteries are low.  
• Follow the directions of "Replace the Batteries" section in this guide. |
| | B. Repeats once per second when in range of sensor and valve does not activate | • Batteries are dead.  
• Follow the directions of "Replace the Batteries" section in this guide. |
| 8. High flow | A. Supply stop not open to proper location | • Remove the cover on the end of the supply stop.  
• Turn the supply stop screw clockwise until adequate flow is achieved.  
• Replace the cover. |
| | B. Supply pressure is high | • Measure the incoming water pressure. Maximum pressure should be 80 psi (5.5 bar). |
## 故障排除

### 故障排除小窍门

此故障排除指南仅适用于一般故障。以下步骤为推荐步骤而非必须步骤。此指南提供了产生故障的可能原因，并建议了故障排除方法。关于保修服务，请联络您的经销商或批发商。

所有的工作都必须根据当地规范，由专业的或持证人员进行操作。

### 故障排除

<table>
<thead>
<tr>
<th>现 象</th>
<th>原 因</th>
<th>排 除 方法</th>
</tr>
</thead>
</table>
| 1. 无水流 | A. 无供水 | • 确认供水系统已打开，水压不低于为20psi (1.4 bar)。  
• 确认止水阀处于完全开启状态。 |
|        | B. 接头松脱 | • 拆下阀体外壳。  
• 检查感应器与电磁阀的接头连接。 |
|        | C. 电线受到挤压或者受损 | • 拆开外壳。  
• 检查线路是否受损。  
• 如果需要，定购新的电磁阀或新的感应器组件。  
• 在重新安装前，确认线缆位于外壳以内。 |
|        | D. 电池耗尽 | • 注意：需要四节标准的1.5伏“AA”碱性电池，科勒公司不提供备用电池，用户可以到便利店购买。  
• 遵循此指南中的“更换电池”章节进行操作。 |
|        | E. 电磁阀损坏 | • 订购新的电磁阀。 |
|        | F. 感应窗口刮伤 | • 更换感应器装置。遵循此指南中的“更换直流感应器”和“安装直流感应器”章节。 |
|        | G. 膜片上的气孔堵塞或密封圈有碎屑 | • 遵循此指南中的“清洁/更换膜片”章节进行操作。  
• 注意：在将膜片安装到阀体上之前，请将膜片放置到膜片座上。 |
| 2. 水流过低 | A. 止水阀未完全打开 | • 拆下止水阀上的止水阀盖。  
• 逆时针旋转止水阀螺丝，直至止水阀处于完全开启状态。  
• 装上阀盖。 |
|        | B. 止水阀无法通过足够的水流量 | • 拆下止水阀上的止水阀盖。  
• 测试出水时，逆时针旋转止水阀螺丝，直至其能够通过足够的水流量。  
• 装上阀盖。 |
|        | C. 水压过低 | • 检查过滤系统是否堵塞。  
• 测量进水压力，最小压力为20psi (1.4 bar)。 |
| 3. 不止水 | A. 过滤器堵塞 | • 遵循此指南中的“清洁过滤网/更换滤芯”章节进行操作。 |
|        | B. 膜片密封圈脏污或者受损 | • 遵循此指南中的“清洁/更换膜片”章节进行操作。  
• 注意：在将膜片安装到阀体上之前，请将膜片放置到膜片座上。  
• 如果膜片受潮或老化，请订购新的膜片装置。 |
|        | C. 电磁阀损坏 | • 订购并安装新的电磁阀装置。  
• 遵循此指南中的“拆卸电磁阀”和“安装电磁阀”章节进行操作。 |
<table>
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<th>现象</th>
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<th>排除方法</th>
</tr>
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</table>
| 4. 间断性出水 | A. 管道受挤压或者受损 | - 拆除外壳。  
- 如果需要，定购新的电磁阀或新的感应器装置。  
- 在重新安装前，确认线缆位于外壳以内。 |
|      | B. 电量不足 | - 遵循此指南“更换电池”章节进行操作。 |
| 5. 真空破坏器和阀体之间连接部位漏水。 | A. 真空破坏器故障，老化或受损 | - 关闭供水系统。  
- 检查阀体。  
- 断开真空破坏器与阀体的连接。  
- 更换橡胶真空破坏器。  
- 重新将阀体安装到真空破坏器上。 |
|      | B. 进水管的密封件老化或受损 | - 关闭供水系统。  
- 检查阀体。  
- 断开止水阀与阀体之间的连接。  
- 检查止水阀与进水口连接处的O形圈。  
- 清除碎屑。  
- 如O形圈老化或受损，更换O形圈。重新安装此装置，特别注意将止水阀上的螺母拧紧。 |
| 6. 阀体入口漏水 | A. 进水管的密封件老化或受损 | - 电量不足。  
- 遵循此指南“更换电池”章节进行操作。 |
|      | B. 感应器的指示灯信号 | - 电量不足。  
- 遵循此指南“更换电池”章节进行操作。 |
| 7. 感应器的指示灯信号 | A. 当感应范围内有物体时感应器指示灯每秒闪烁一次，有开阀动作 | - 电量不足。  
- 遵循此指南“更换电池”章节进行操作。 |
|      | B. 当感应范围内有物体时感应器指示灯每秒闪烁一次，无开阀动作 | - 电池耗尽。  
- 遵循此指南“更换电池”章节进行操作。 |
| 8. 水流过快 | A. 止水阀未打开到合适位置 | - 拆下止水阀末端的止水阀螺杆。  
- 顺时针旋转止水阀螺杆，直至获得合适水流。  
- 装上螺杆。 |
|      | B. 水压过高 | - 测量进水水压，最大压力为80 psi (5.5 bar) |
Finish/Color code must be specified when ordering.

- 1055665** Cover Kit
  外壳组件

- 1055627 Setscrew
  定位螺丝

- 1059460 O-Ring
  O形圈

- 1056934 Sensor Clip
  卡夹

- 1055626 [1.28 gpf (4.85 lpf)]
  电磁阀

- 1055628 Solenoid
  电磁阀

- 1055637 Diaphragm
  膜片

- 1059461 O-Ring
  O形圈

- 1055666 Solenoid Kit
  电磁阀

- 1060056 Piston Cover
  活塞盖

- 1055650** Push Button
  冲水按钮

- 1055659 O-Ring
  O形圈

- 1056906 O-Ring
  O形圈

- 1055611[1.28 gpf (4.85 lpf)]
  活塞

- 1056873[1.6 gpf (6 lpf)]
  活塞

- Not Available as a Service Part
  不可作为维修部件单独获得

- 1059515 Vacuum Breaker
  真空破坏器

- 1055679** Vacuum Breaker
  真空破坏器

- 1056879** Vacuum Breaker
  真空破坏器

- 1055647** Stop Valve
  止水阀

- 1055644** Escutcheon
  装饰罩

- 1060053 Spud Seal
  逆水接头密封圈

- 1055649** Sleeve
  套管

- 1055648 Adapter
  接头

- 1055660** Escutcheon
  装饰罩

- 1055661** Accessory Kit
  配件包

**Finish/Color code must be specified when ordering.
** Finish/Color code must be specified when ordering.

1055665**
Cover Kit
外壳组件

105627
Setscrew
定位螺丝

1059460
O-Ring
O形圈

1056934
Sensor Clip
卡夹

1065220
0.5 gpf (1.9 lpf)
Electronic Unit
e电信盒

1055628
Solenoid
电磁阀

1055637
Diaphragm
膜片

1059461
O-Ring
O形圈

1055666
Solenoid Kit
电磁阀

1060056
Piston Cover
活塞盖

1055650**
Push Button
冲水按钮

1056875[0.5 gpf (1.9 lpf)]
Piston
活塞

1056870**
Accessory Kit
配件包

1059515
Vacuum Breaker
真空破坏器

1056934
Sensor Clip
卡夹

1056891**
Escutcheon
装饰罩

1056892**
Sleeve
套管

1056893**
Stop Valve
止水阀

1056894**
Adapter
接头

1056895
Piston Cover
活塞盖

1059461
O-Ring
O形圈

1055659
O-Ring
O形圈

1056890**
Nut
螺母

1056891**
Escutcheon
装饰罩

1060056
Piston Cover
活塞盖

1056893**
Stop Valve
止水阀

1056894**
Adapter
接头

1056895
Piston Cover
活塞盖

1059461
O-Ring
O形圈

1055659
O-Ring
O形圈

1056890**
Nut
螺母

** Not Available as a Service Part
不可作为维修部件单独获得