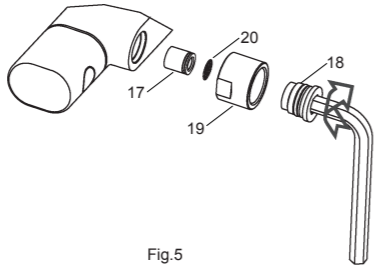## 维护与保养 / CARE AND MAINTENANCE

滤网垫片(20)可起保护龙头的作用，但长时间使用后水垢或杂质可能会堵塞滤网降低水流量。如果有类似情况发生，卸下水龙头，用六角扳手(12mm)将底座(18，顺时针)拧下，取下螺母(19)、滤网垫片(20)和单向阀(17)。用热醋清洗滤网。然后按照图示装回(**注意**：单向阀必须按原方向装回)。

The filters(20) protecting the faucet device may get obstructed and reduce water flow. When this happens, unscrew the bushes(18, left thread) by a wrench (12mm) and take out the nuts(19), filters (20) and the check valves(17) after removing the faucet. Clean the filters by soaking them in warm vinegar. Reinstall them as the figure.5(**Note:** Check valves should reinstall as original orientation).

Fig.5

如果供水的水质较硬或长时间使用，水垢或杂质会阻塞温控阀上的滤网，流量降低。需要清理请按照下列步骤进行：
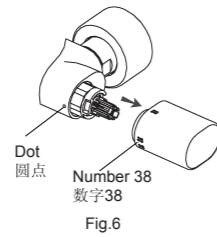
Very hard water can obstruct the filters protecting the thermostatic cartridge and reduce the flow of water. Please clean the cartridge as follows:

Dot 圆点 Number 38 数字38 Fig.6

关闭供水系统，使流量阀处于打开位置后进行温控阀的拆卸作业。温控阀是较敏感的配件，所以要十分小心。

Shut off the water supply of the faucet and open the water flow handle, then proceed to remove the cartridge. The cartridge is sens organ, please be careful.

拆卸前确保把手上的数字38标识同龙头上的圆点对齐。拔下把手组件(图Fig.6)，用扳手逆时针旋松螺母，取下螺母及限位(图Fig.7)。

Make sure number 38 is aligned with the dot on the body before your action. Pull out the handle kit(Fig.6), Unscrew the nut by turning counter-clockwise(Fig.7). Remove the nut and the stopper.

Fig.7

小心地卸下温控阀(图Fig.8)。

Removing the cartridge cautiously(Fig.8).

Cartridge 温控阀 Fig.8

用热醋进行清洗。清洗后，将限位和螺母(限位组件)装到温控阀上，使限位的定位柱嵌入温控阀的限位槽内(图Fig.9)。

Clean the themostatic cartridge by soaking it in warm vinegar. After cleaning, install the 'stop assembly' back to the cartridge, adjusting the stop pin into the notch(Fig.9).

Stop pin 定位柱 Cartridge 温控阀 Notch 限位槽 Fig.9

然后将限位的定位柱与龙头本体内孔凹槽对齐，装入温控阀并锁紧螺母(图Fig.10)。

Align the stop pin on stop assy with notch on the body to install the cartridge, tighten the nut(Fig.10).

Notch 限位槽 Stop pin 定位柱 Cartridge and stop assembly 阀体限位组件 Fig.10

注意：要确保拆卸、安装过程中，不要转动温控阀轴。如不小心转动了阀轴，要调整阀轴使黑色标识同相邻的塑壳上的长方形凸起标识对齐(图Fig.11)。

NOTE: It is not supposed to rotate the valve spindle. In case of turning, relocate the valve spindle to align the black mark on spline with rectangle heave on the shell of cartridge(Fig.11).

Black mark 黑色标识 Heave 凸起 Fig.11

使把手上的数字38对齐龙头本体上的圆点，将把手装到温控阀柄上(图Fig.12)。

Install the temperature selector(without turning the spindle) and make sure dot on the body lining the number 38 with the reference mark(Fig.12).
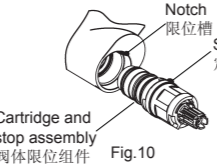

Temperature Selector 温控把手 Fig.12

测量温度，如38℃位的温度超出规定的范围，须进行调整。具体步骤见前面的操作使用说明。

Measure the temperature. And adjust if it out of 38ºC setting range. The process as mentioned in operation instruction before.
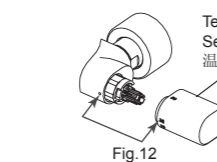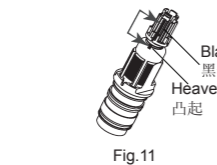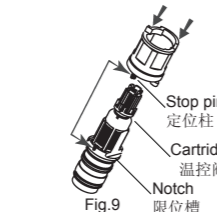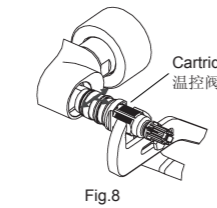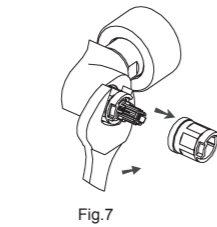
KOHLER®
欧宝 OBLO

INSTALLATION INSTRUCTIONS
安装说明书

Wall-Mount Thermostatic

| 10089T | 72646T | 挂墙式恒温浴缸花洒龙头 |
| 10091T | 72647T | 挂墙式恒温花洒龙头 |

安装之前 / BEFORE YOU BEGIN

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。

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.

使用环境 / OPERATION CONDITION

1. 最小供水压力：0.5bar(0.05MPa)。
2. 推荐冷热供水的静态压力：3bar(0.3MPa)。
3. 如果供水压力大于5bar(0.5MPa)，安装减压阀。
4. 冷热供水压力差不大于2bar(0.2MPa)。
5. 热供水温度最低：50℃；最高：70℃。
6. 推荐的热供水温度：60℃。
7. 温度的设定基本范围为：20℃到50℃。
8. 安全限位温度：38℃。
9. 花洒最高使用环境温度：60℃。请特别注意花洒同花洒连接的臂管必须远离加热器，否则可能损坏花洒及其密封件，甚至对使用者造成伤害。

1. Minimum supply pressures: 0.5bar(0.05MPa).
2. Recommended supply static pressures: 3bar(0.3MPa) on hot and cold water.
3. Supply pressure greater than 5bar(0.5MPa) : install a pressure reducer.
4. Pressure difference between hot and cold supply: 2bar(0.2MPa) maximum.
5. Hot supply water temperatures, minimum: 50℃, maximum: 70℃.
6. Recommended hot water supply temperature: 60℃ (energy-saving).
7. Setting range, approximately: 20℃ to 50℃.
8. Safety stop at: 38℃.
9. The highest environment temperature for handspray & showerhead is 60℃. Please keep handspray, showerhead and the shower arm away from heater, or it may become damaged and cause injury to the user.

安装尺寸 / ROUGH-IN DIMENSIONS

10089T
72646T

10091T
72647T
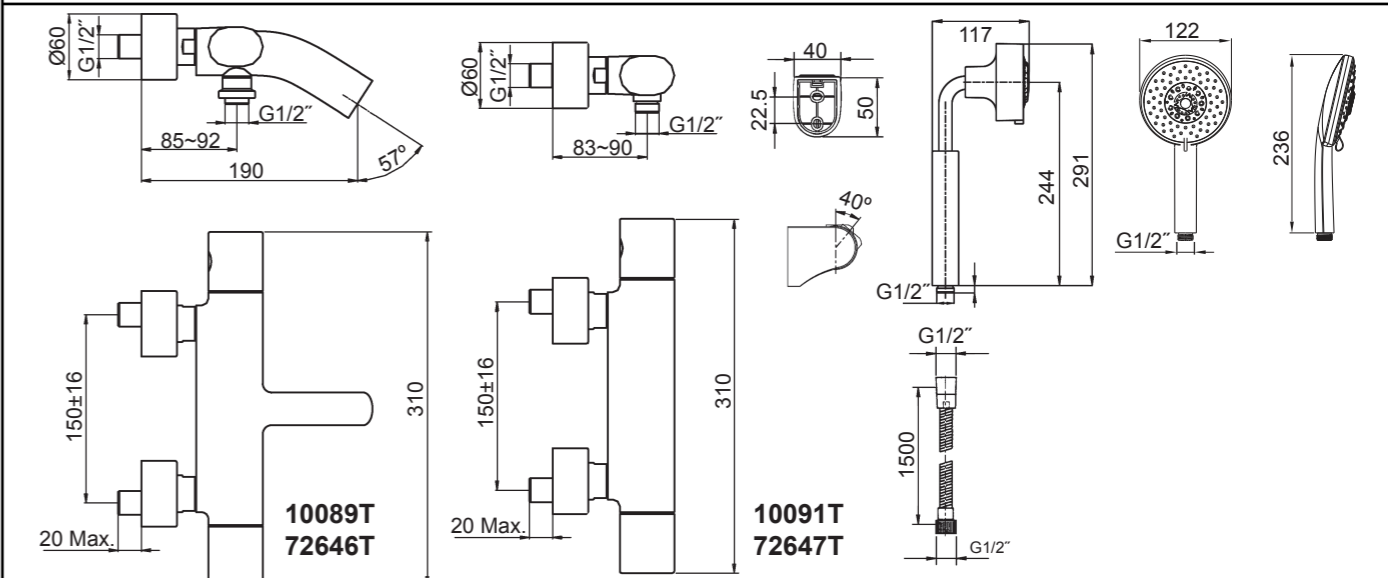
安装步骤

如何安装水龙头

为使安装顺利，G1/2″内螺纹管道配件应已安装好。预留150mm的间距，保持水平，并且垂直墙面，不要凸出墙面。热供水管装在左边。

在两个接头(1)涂上螺纹密封膏或缠绕足以密封的密封胶带，旋入冷热供水管中。

调节两个接头，使其中心距为150mm并保持同一水平。他们凸出墙面的尺寸应该在40到47mm之间。将装饰罩(2)旋入接头，紧贴墙壁。

将垫片(3)放入水龙头螺母(4)中，将螺母旋到接头(1)上，并用辅助扳手(5)拧紧。

在锁紧螺母时，须用带状扳手或用软布垫在普通扳手和螺母之间，以保护镀层表面。

对于72646T和72647T，将垫片(6)装于软管(8)两端，将限流器(7)装于花洒(11)进水端。用软管连接花洒和龙头出水口(9)。对于10089T和10091T，将垫片(6-1，厚3mm)安装在软管与出水口(9)之间。垫片(6-2，厚5mm)安装在花洒与软管之间。

Fig.1

Fig.2

安装结果检查

确保所有衔接螺母都已锁紧。确保把手处于关闭的位置。开启主水源，检查是否有漏水。如有漏水，修理之。

浴缸花洒龙头：

取下花洒，用工具(12)卸下起泡器(10)。将流量把手旋转到开的位置，慢慢旋转温控把手。让水流出约一分钟，以清除杂质。关闭龙头，并装回花洒和起泡器。

花洒龙头：

取下花洒，打开水流把手，慢慢旋转温控把手。让水流出约一分钟，以清除杂质。关闭龙头，并装回花洒。

INSTALLATION

How To Install The Faucet

To perform installation, installer must provide G1/2″ female supply fittings, spaced 150mm apart, level, vertical, and not extending beyond the finished wall surface. Hot supply pipe must be located on the left.

Install the two offset connectors(1) into the hot and cold supply pipes.　Use appropriate thread sealants or thread tape on to the threads.

Adjust the center-to-center distance between the connectors to 150mm and level. They should extend 40 to 47mm beyond the finished wall. Thread the escutcheons(2) onto the connectors until they are against the finished wall.

Put washer(3) into nut(4) and tighten the nut with tool(5).

When tighten the nut, use strap wrench or soft cloth between product and regular wrench to protect the finish.

For 72646T & 72647T, Washers(6) provided with hose(8) must be installed in each end. Put the restrictor(7) into the handspray(11) inlet. Connect shower hose to faucet shower outlet(9) and handspray. For 10089T & 10091T, Put the washer(6-1, thickness 3mm) between hose(8) and faucet shower outlet(9). Provide the washer(6-2, thickness 5mm) between hose and handspray.

INSTALLATION CHECKOUT

Ensure that all coupling nuts are tight and the water flow handle is in the close position. Turn on the main water supply, and check for leaks. Repair as needed.

Bath & Shower Faucet

Remove the handspray, and aerator(10) by tool(12). Turn the water flow handle to the 'open' position, and slowly turn the temperature selector. Run water through the faucet for about one minute to remove any debris. Close the faucet. Reinstall the handspray and aerator.

Shower Faucet

Remove the handspray. Turn the water flow handle to the 'open' position, and slowly turn the temperature selector. Run water through the faucet for about a minute to remove any debris. Close the faucet, and reinstall the hand spray.
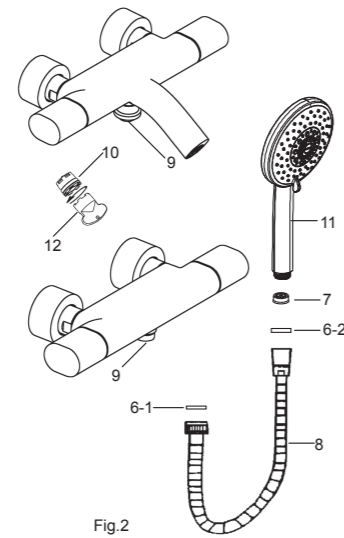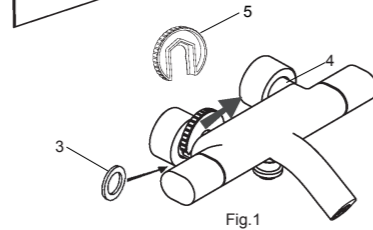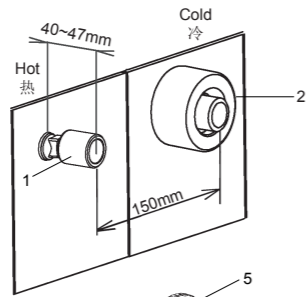

如何安装托架

在垂直面的墙壁，选一合适的高度，来安装托架。

根据孔距在墙面标记位置，依据胀塞(13)直径打孔，安装胀塞。旋紧螺钉(16)，使底座(14，平面朝上)固定紧贴墙壁。将托架(15)扣在底座上，使凸台嵌入豁口。将花洒挂在托架上。

Fig.3

使用说明

慢慢旋转温控把手即右把手，调整温度，安全限位温度为38度。如果想得到更高的温度，按住按钮继续旋转。

水流量是通过左把手来控制的。

温度测试与调整

在温度测试前，应该确保供水系统充分，并且热水具有推荐的温度范围内的较高的温度。温控把手在38度位置时，打开水龙头让水流出。进行温度测量，出厂时温度设定在37~39度范围内。如超出这个范围，要进行调整。调整的步骤如下：

拔下温控把手组件。在正常水流状态下，由冷水位置开始慢慢转动温控阀轴(保持同一方向)直至获得38度的水流。如果温度超过39度，回到冷水位置重新调整。

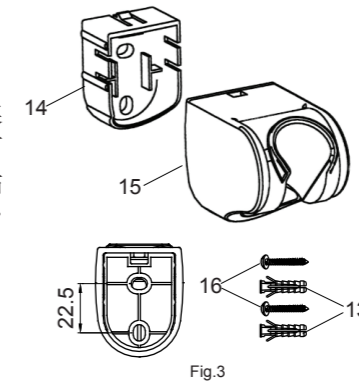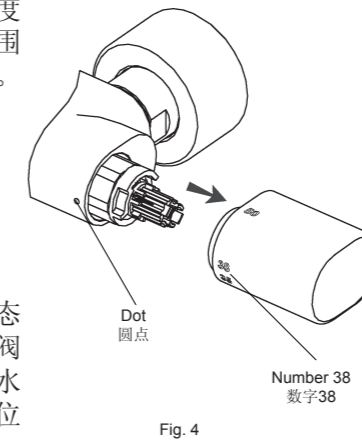温度稳定后，不要转动温控阀轴，安装温控把手，使温控把手的参考标识与数字38对齐。(图Fig.4)。

Dot
圆点

Number 38
数字38

Fig. 4

How To Install The Shower Bracket

Select a location in vertical wall within reach of the shower hose.

Mark bracket base mounting hole locations on the wall accoring to the dimension. Drill two holes in the finished wall, the holes should match the anchors(13). Install the anchors. Tighten screws(16) to secure bracket base(14) to the finished wall. Put the bracket(15) onto the bracket base and lock by stopper. Hang the handspray on the shower bracket.

OPERATION INSTRUCTIONS

The temperature is set by slowly turning the temperature selector(right-hand handle). For safety reasons, there is a stop that limits temperature to 38ºC. To get a higher temperature, push the button and continue turning the temperature selector.

Water flow is set by turning the left-hand handle.

Verification And Setting

Make sure that the water feeds of the faucet have reached their highest temperature but within the recommended range by letting the water run sufficiently. With the selector in position 38ºC, the temperature of the water coming out of the faucet must be within a range of 37ºC and 39ºC, as measured by a thermometer. If the temperature out of the range, the installer can adjust the setting. Proceed with the setting as follows:

Pull out the temperature handle kit. With the faucet on 'cold' normal water flow, slowly turn the temperature selector(always in the same direction) until water at 38ºC is obtained. If the temperature goes over 39ºC, go back to the 'cold' setting and set again.

When the temperature is stabilized, without turning the cartridge spindle, make sure the dot on the body aligned with the number 38 on the handle(Fig.4).

清洗说明

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。

有磨损性的清洁用具或清洁剂也不可使用于科勒牌的水龙头及其配件上。
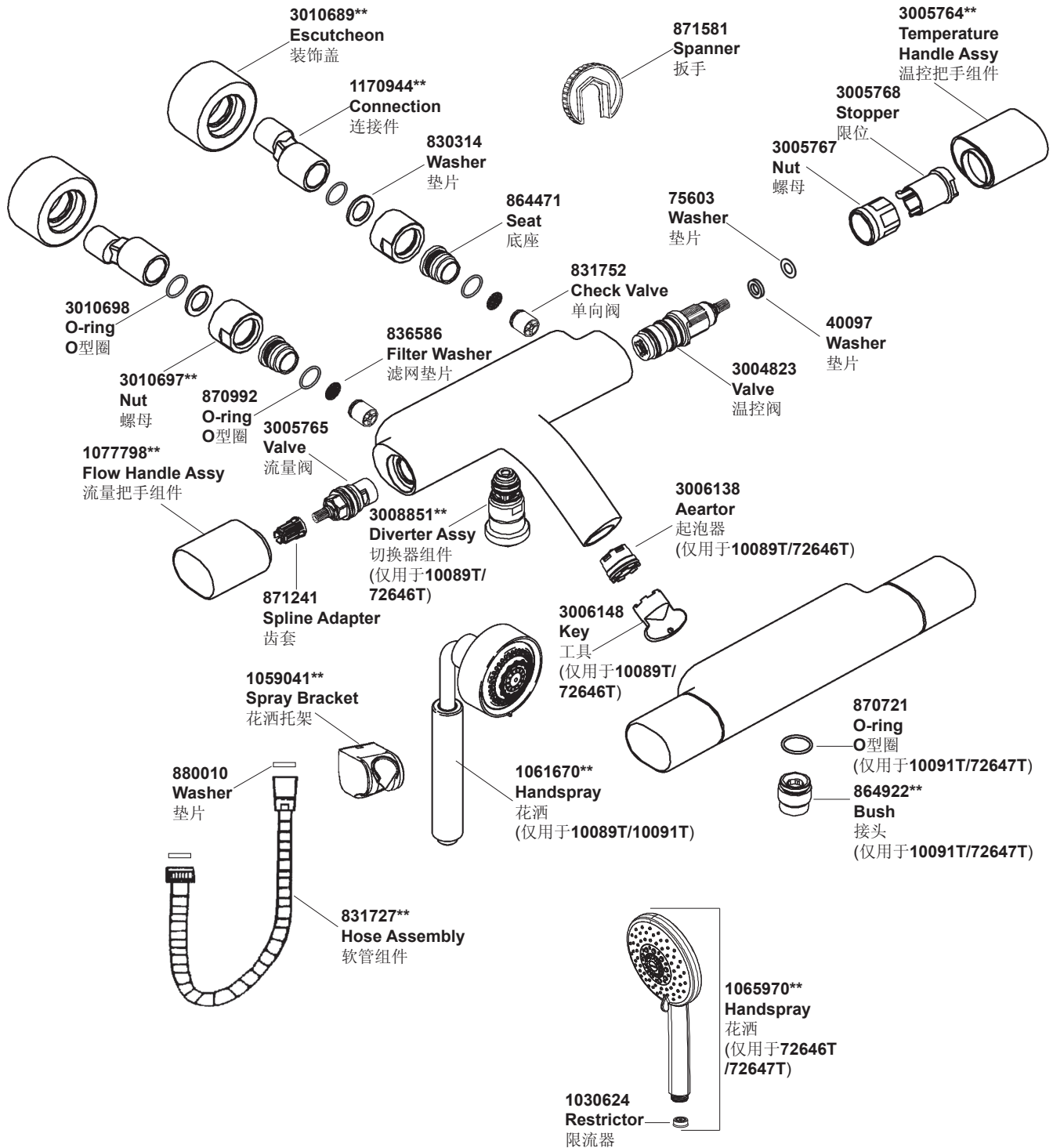
CLEANING INSTRUCTIONS

All Finishes: Clean the finish with mild soap and warm water. Wipe entire surface completely dry with 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.

10089T   72646T   挂墙式恒温浴缸花洒龙头
10091T   72647T   挂墙式恒温花洒龙头

3010689**
Escutcheon
装饰盖

1170944**
Connection
连接件

830314
Washer
垫片

871581
Spanner
扳手

3005764**
Temperature
Handle Assy
温控把手组件

3005768
Stopper
限位

3005767
Nut
螺母

864471
Seat
底座

75603
Washer
垫片

831752
Check Valve
单向阀

40097
Washer
垫片

3010698
O-ring
O型圈

836586
Filter Washer
滤网垫片

3004823
Valve
温控阀

3010697**
Nut
螺母

870992
O-ring
O型圈

3005765
Valve
流量阀

1077798**
Flow Handle Assy
流量把手组件

3008851**
Diverter Assy
切换器组件
(仅用于**10089T/**
72646T)

3006138
Aeartor
起泡器
(仅用于**10089T/72646T**)

871241
Spline Adapter
齿套

3006148
Key
工具
(仅用于**10089T/**
72646T)

1059041**
Spray Bracket
花洒托架

870721
O-ring
O型圈
(仅用于**10091T/72647T**)

880010
Washer
垫片

864922**
Bush
接头
(仅用于**10091T/72647T**)

1061670**
Handspray
花洒
(仅用于**10089T/10091T**)

831727**
Hose Assembly
软管组件

1065970**
Handspray
花洒
(仅用于**72646T**
/72647T)

1030624
Restrictor
限流器

**订购时请说明颜色编号
**Color code must be specified when ordering