# ☐ SFW-1.0

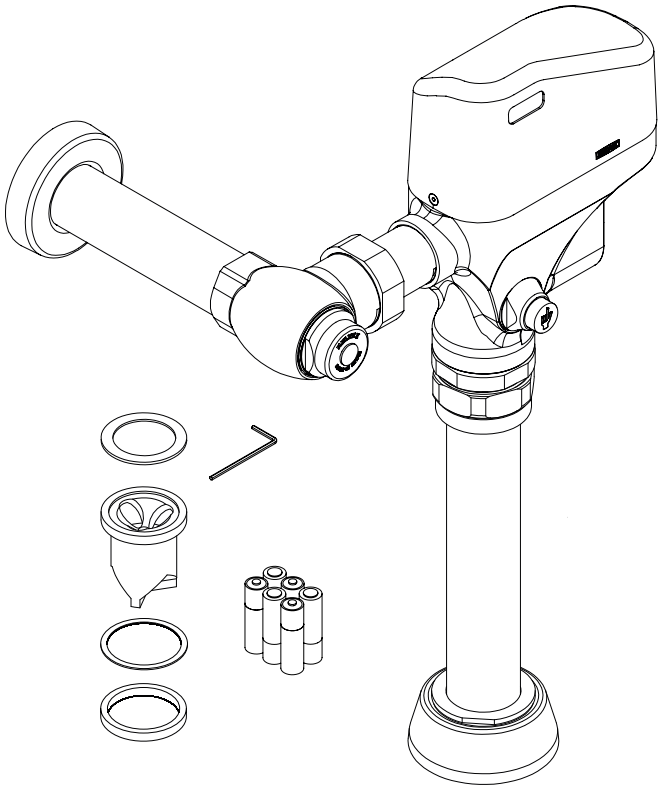
**Exposed Sensor WC Flushvalve, 1 1/2" Spud, 1,0 GPF**
**Fluxómetro de Sensor Electrónico de Baterías para Taza Flux, Spud de 38 mm, 3,8 LPD**

# ☐ SFW-1.28

**Exposed Sensor WC Flushvalve, 1 1/2" Spud, 1,28 GPF**
**Fluxómetro de Sensor Electrónico de Baterías para Taza Flux, Spud de 38 mm, 4,84 LPD**

# ☐ SFW-1.6

**Exposed Sensor WC Flushvalve, 1 1/2" Spud, 1,6 GPF**
**Fluxómetro de Sensor Electrónico de Baterías para Taza Flux, Spud de 38 mm, 6,0 LPD**



HELVEX™

Thank you for choosing HELVEX products.
We are confident that the product reliably will exceed your highest expectations. This product's functionality, aesthetics, durability, quality and support will grant you full satisfaction for years, thus reflecting Helvex's commitment to quality, innovation and the environment.

Agradecemos su elección por los productos HELVEX.
Estamos seguros de que su confiabilidad por el producto excederá sus más altas expectativas, cuya funcionalidad, estética, durabilidad, respaldo integral y alta calidad le otorgarán plena satisfacción por años, reflejando el compromiso con la calidad, innovación y el medio ambiente que forman parte de Helvex.

This Installation Guide Applies to the Product in any Finish.
Esta Guía de Instalación Aplica al Producto en Cualquier Acabado.

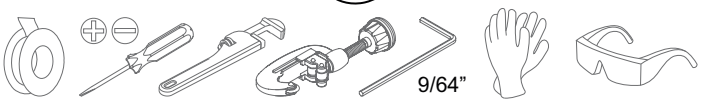
Technical Service and Support
*Asesoría y Servicio Técnico*
Toll free number
*Línea sin costo*
(210) 394-5686
technicalservice@helvexusa.com

Original Spare Parts
*Refacciones Originales*

Customer Service
Servicio al Cliente
Toll free number
*Línea sin costo*
(855) 267-2498
contact@helvexusa.com

**Compliance Certification**

**Required Tools and Materials (Not Included)** | **Herramientas y Materiales Requeridos (No Incluidos)**




**Information** | **Información**

| | | | |
|---|---|---|---|
| Open<br>Abrir | Purge<br>Purgar | Reassemble<br>Reensamblar | Warning<br>Advertencia |
| Close<br>Cerrar | Press<br>Presionar | No leakage<br>Sin fuga | Review<br>Revisar |

**Finishes:**
**PC** Polished Chrome

**Acabados:**
Cromo

## Installation Requirements Requerimientos de Instalación

For the correct functioning of these products, the recommended water pressures are:
Para el correcto funcionamiento de estos productos, se recomiendan las siguientes presiones:

| Model Modelo | Minimum Mínima | | | Maximum Máxima | | |
|---|---|---|---|---|---|---|
| | PSI | kg/cm² | kPa | PSI | kg/cm² | kPa |
| SFW-1.0<br>SFW-1.28<br>SFW-1.6 | 20 | 1,40 | 137,89 | 80 | 5,62 | 551,58 |
| | ⚠ Do not exceed this pressure:<br>No exceder la presión de: | | | 125 | 8,79 | 861,84 |

It is recommended to perform hydraulic tests at a maximum of 100 PSI (7,0 kg/cm²).
Se recomienda realizar pruebas hidráulicas a máximo 7,0 kg/cm² (100 PSI).

**California Proposition**
**⚠ 65 Warning ⚠**
**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer.
For more information: www.P65Warnings.ca.gov

**Propuesta de California**
**⚠ Advertencia 65 ⚠**
**ADVERTENCIA:** Este producto puede exponerlo a sustancias químicas, incluido el plomo, que es conocido por el estado de California como causante de cáncer.
Para obtener más información: www.P65Warnings.ca.gov

## Before of Installation Antes de Instalar

- To reduce the risk of injury or property damage, please follow all instructions before installing the product.
- Wear safety glasses.
- For any construction, installation, alteration, extension or repair, comply with your local building codes.
- The product's illustration may vary in appearance to the actual product as a result of our continuous improvement process.

- Para disminuir el riesgo de lesiones o daños a la propiedad, siga todas las instrucciones antes de instalar el producto.
- Utilice gafas de seguridad.
- En obras de construcción, instalación, modificación, ampliación y reparación deben cumplir con el reglamento de construcción y obras de su localidad.
- El producto ilustrado puede sufrir cambios de aspecto como resultado de la mejora continua a la que está sujeto.

## Troubleshooting Problemas, Posibles Causas y Soluciones

| Problem | Cause | Solution |
|---|---|---|
| The discharge is low or null. | The flush valve piston is not correct. | Verify that the piston is correct. |
| | The stop valve is partially open. | Open fully the stop valve. |
| | The stop valve is closed. | Open the stop valve. |
| | The operating pressure is not adequate. | Verify that the minimum operating preasure is correct. |
| | The general water supply system is obstructed. | Check for good water flow removing the piston and purging. |
| | The diameter of the pipe is not adequate. | Check that the tubes are as stated. |
| | The sensor range is set to a very short distance. | Adjust the detection distance. |
| | The batteries are discharged. | Replace the batteries. |
| There are leaks in the connections. | The connections are not tight. | Tighten firmly. |
| | The washers are bent or misplaced. | Verify that the washers are placed correctly. |
| The flow is not closed or takes time to close. | Accumulation of waste in the flush valve piston orifice. | Generate flush valve piston maintenance. |

| Problema | Causa | Solución |
|---|---|---|
| La descarga es poca o nula. | El émbolo del fluxómetro no es el correcto. | Verifique que el émbolo sea el correcto. |
| | La llave de retención está parcialmente abierta. | Abra totalmente la llave de retención. |
| | La llave de retención está cerrada. | Abra la llave de retención. |
| | La presión de operación no es la adecuada. | Verifique que la presión mínima de operación sea la correcta. |
| | El sistema general de suministro de agua está obstruido. | Verifique que haya un buen flujo de agua retirando el émbolo y purgando. |
| | El diámetro de la tubería no es la adecuada. | Verifique que la tubería sea la indicada. |
| | El sensor está ajustado a una distancia muy corta. | Ajuste la distancia de detección. |
| | Las baterías están descargadas. | Reemplace las baterías. |
| Hay fuga en las conexiones. | Las conexiones no están apretadas. | Apriete firmemente. |
| | Las rondanas están torcidas o mal colocadas. | Verifique que las rondanas estén colocadas correctamente. |
| No cierra el flujo o tarda en cerrar. | Acumulación de basura en el filtro de la electroválvula. | Realice el mantenimiento del émbolo. |

## Technical Specs Especificaciones Técnicas

6 AA Alkaline Batteries
Voltage: 9 VDC
Power Consumption: 3 W

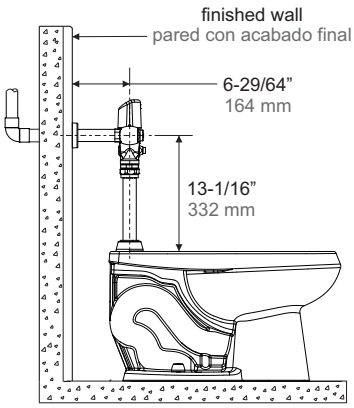
6 Baterías Alcalinas Tamaño AA
Tensión de Alimentación: 9 Vcc
Potencia: 3 W

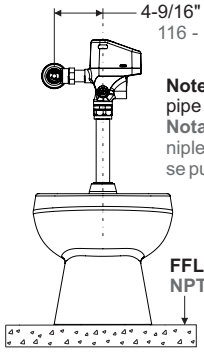
## Cleaning Recommendations Recomendaciones de Limpieza

It is very important to follow the instructions below to preserve HELVEX products finishes shiny and in perfect conditions:
1. Use only water and a clean cloth.
2. Do not use fibers, powders, abrasives or chemicals.
3. Do not use sharp objects to clean the finishes.
4. It is recommended to clean your device daily.
Visit our website **www.helvexusa.com**

Es muy importante seguir las siguientes instrucciones para conservar los acabados de los productos HELVEX con brillo y en perfecto estado:
1. Utilice únicamente agua y un paño limpio.
2. No utilice fibras, polvos, abrasivos, ni productos químicos.
3. No utilice objetos punzo-cortantes para limpiar los acabados.
4. Se recomienda realizar la limpieza de su producto diariamente.
Visite nuestra página **www.helvexusa.com**

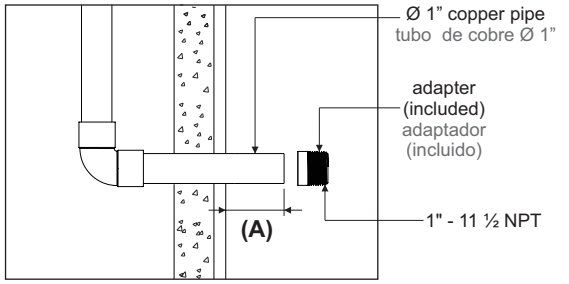
## Installation Dimensions — Medidas de Instalación



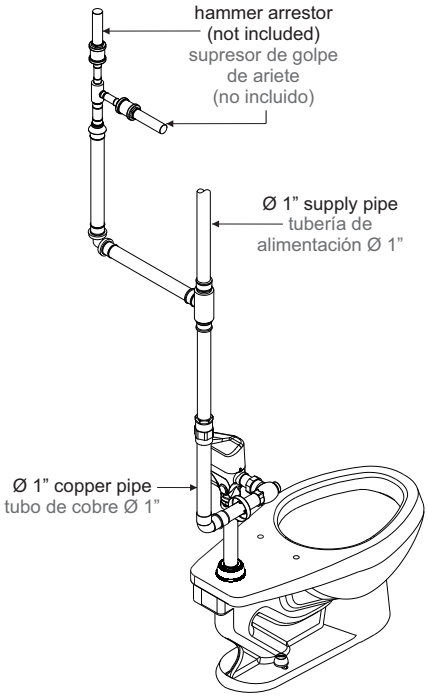

**Note:** The length of the outlet pipe is 8,79" and can be cut.
**Nota:** El tubo de descarga o niple mide 22,3 cm de largo y se puede recortar.

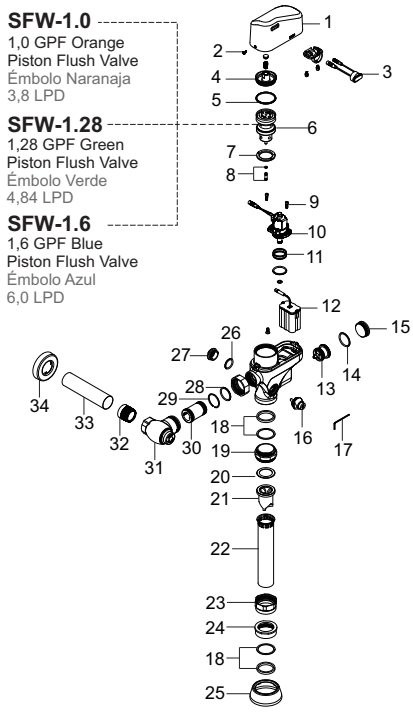
**FFL** Finished Floor Level
**NPT** Nivel de Piso Terminado




**(A)** Check the dimension according to the location of the WC.
**(A)** Verificar la dimensión de acuerdo a la ubicación del inodoro.

## Components — Componentes

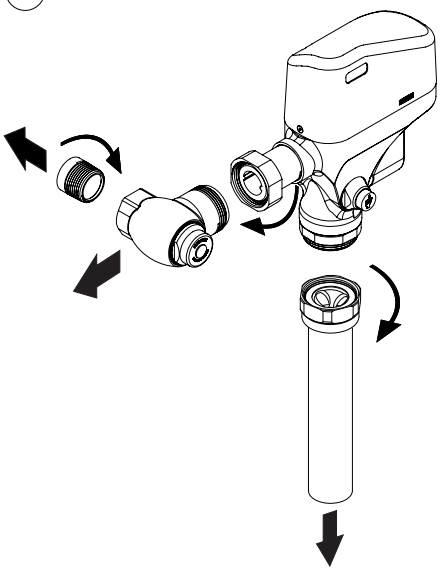



| | | |
|---|---|---|
| 1 | Housing | Carcasa |
| 2 | Allen Screw | Tornillo Allen |
| 3 | Sensor | Sensor |
| 4 | Piston Cover | Cubierta Pistón |
| 5 | O'ring | O'ring |
| 6 | Flush Valve Piston | Émbolo |
| 7 | Vulcanized Washer | Rondana Vulcanizada |
| 8 | Dual Plug Security System with O´ring | Tapón Dual Sistema de Seguridad con O´ring |
| 9 | Allen Screw | Tornillo Allen |
| 10 | Solenoid Valve | Electroválvula |
| 11 | Filter | Filtro |
| 12 | Battery Holder | Porta Baterías |
| 13 | Internal Coupling | Cople Interno |
| 14 | O'ring | O'ring |
| 15 | Flushometer Plug Nut | Tuerca Tapón Fluxómetro |
| 16 | Manual Push Button | Botón de Accionamiento Manual |
| 17 | Allen Wrench | Llave Allen |
| 18 | Washers and Gaskets | Rondanas y Empaques |
| 19 | Adapter | Adaptador |
| 20 | Vacuum Breaker Washer | Rondana del Rompe Vacío |
| 21 | Vacuum Breaker | Rompe Vacío |
| 22 | 1 ½" Vacuum Breaker Outlet Pipe | Tubo de Descarga de 38 mm |
| 23 | Vacuum Breaker Tube Nut | Tuerca del Tubo |
| 24 | 1 ½" Spud Nut | Tuerca Spud de 38 mm |
| 25 | Spud Escutcheon | Chapetón Spud |
| 26 | O'ring | O'ring |
| 27 | Cap | Cubierta |
| 28 | O'ring | O'ring |
| 29 | Locking Ring | Anillo Presión |
| 30 | Tailpiece | Niple |
| 31 | Stop Valve | Llave de Retención Armada |
| 32 | Adapter | Adaptador |
| 33 | Cover Tube | Tubo Camisa |
| 34 | Stop Valve Escutcheon | Chapetón Llave de Retención |

## Installation — Instalación

1



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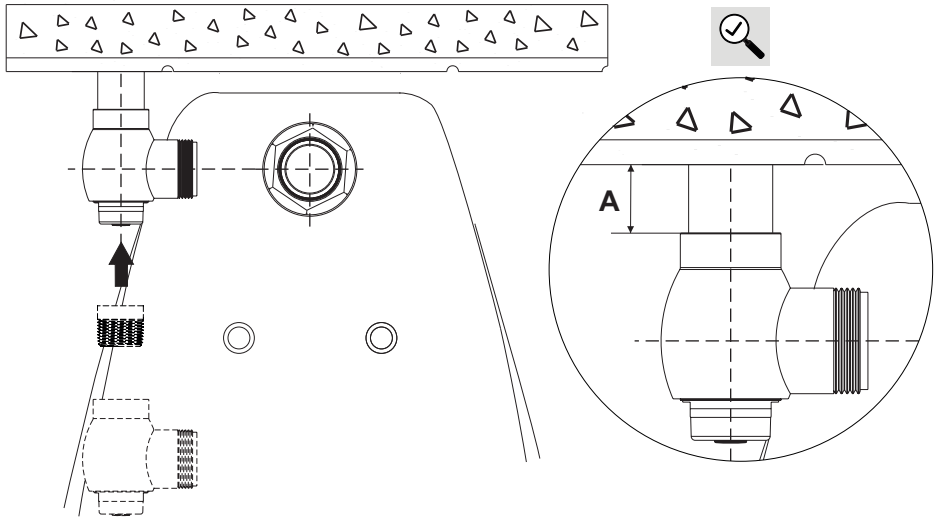
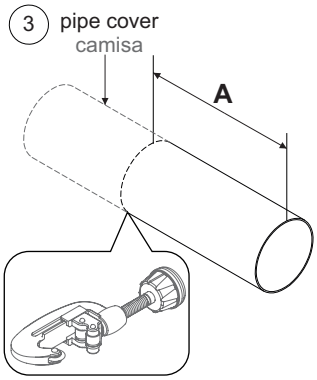
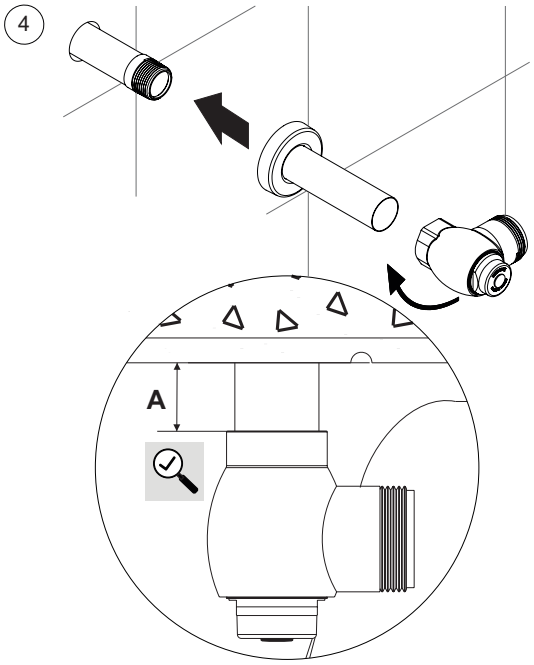



3
pipe cover
camisa
A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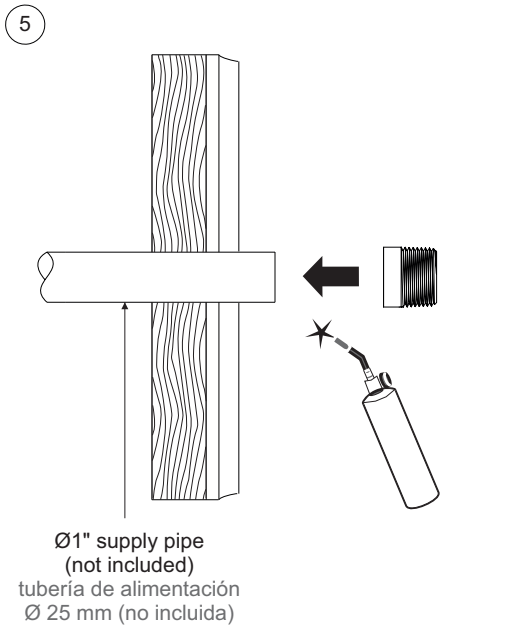
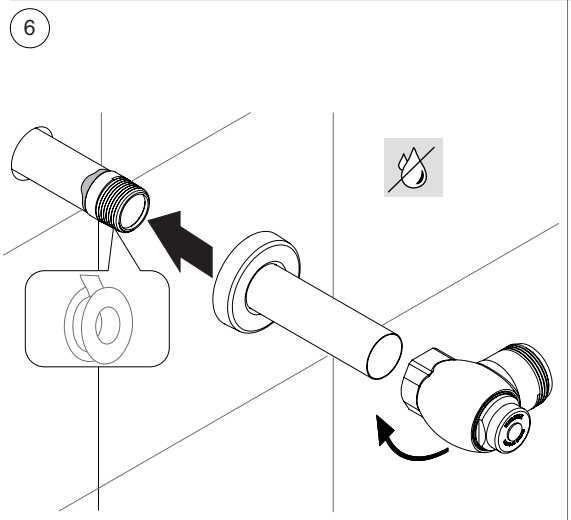
A


5
Ø1" supply pipe
(not included)
tubería de alimentación
Ø 25 mm (no incluida)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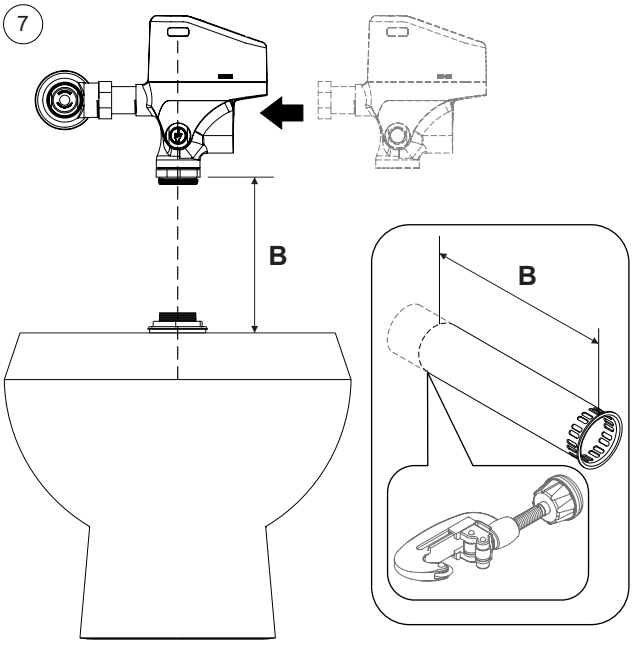
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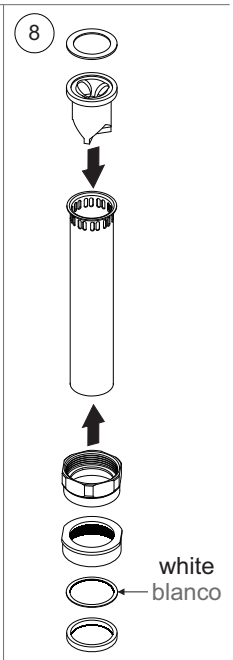
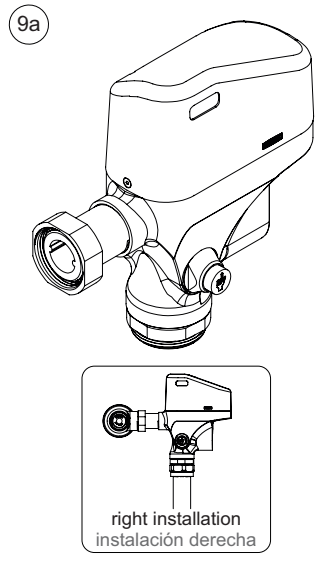
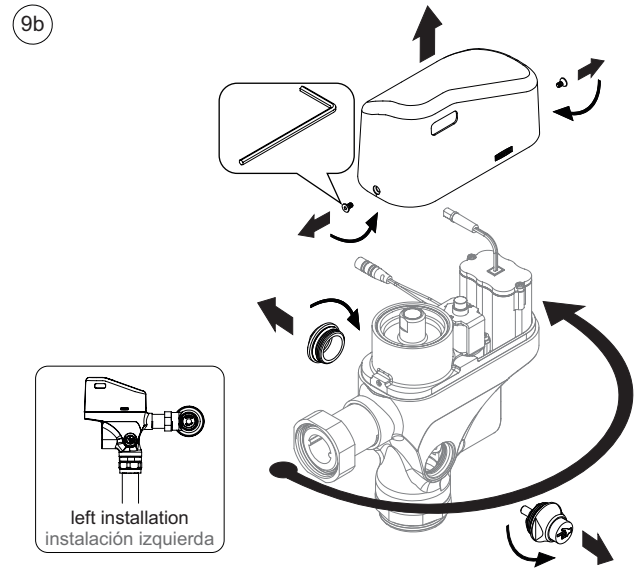
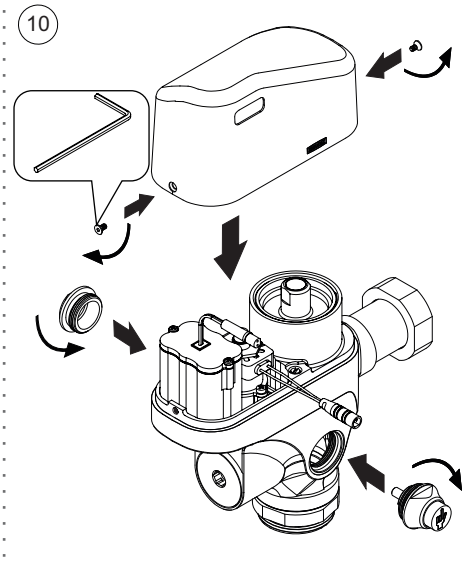
B
B


8
white
blanco


9a
right installation
instalación derecha


9b
left installation
instalación izquierda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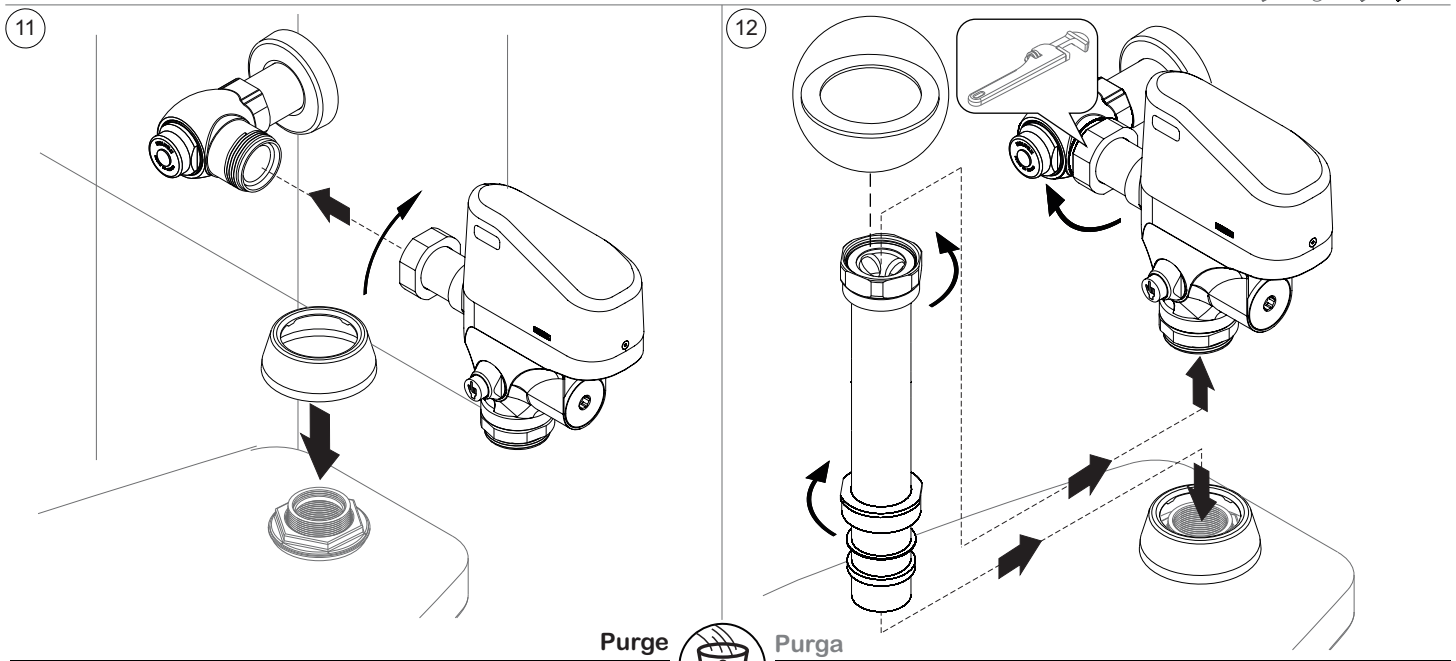
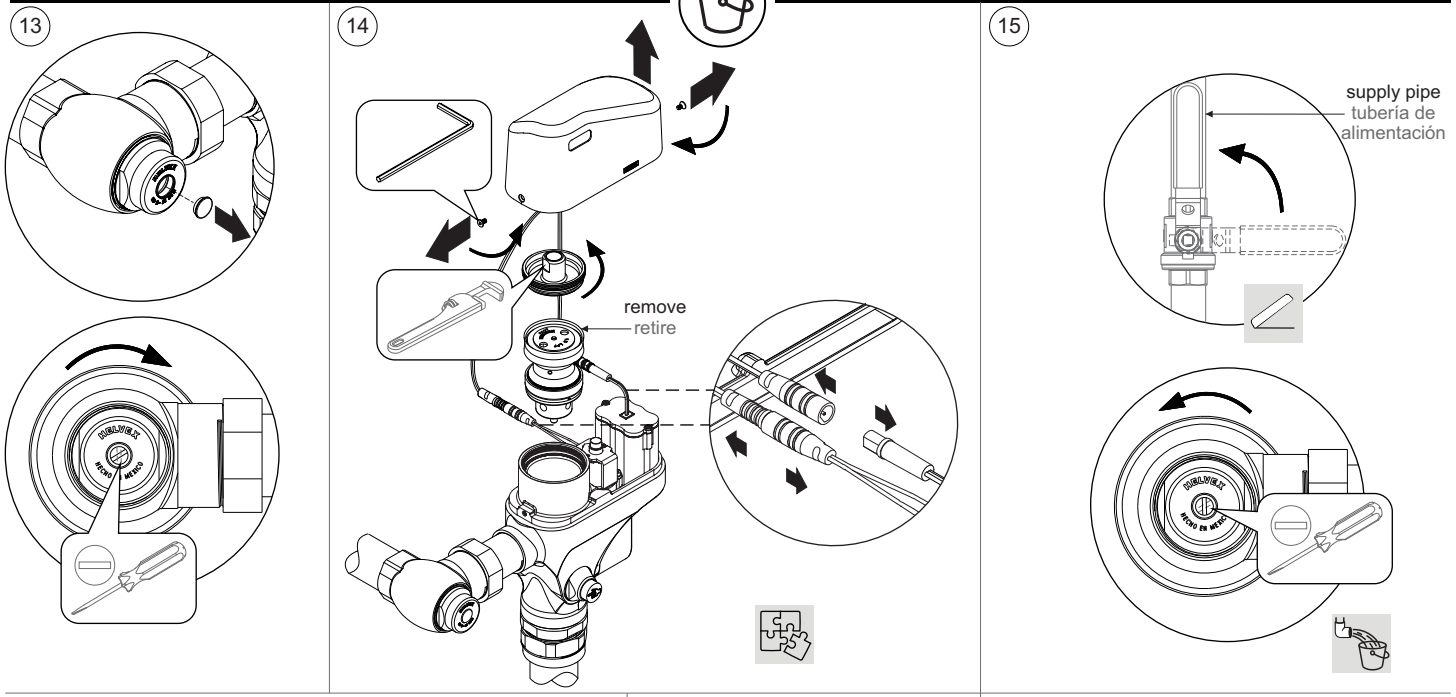
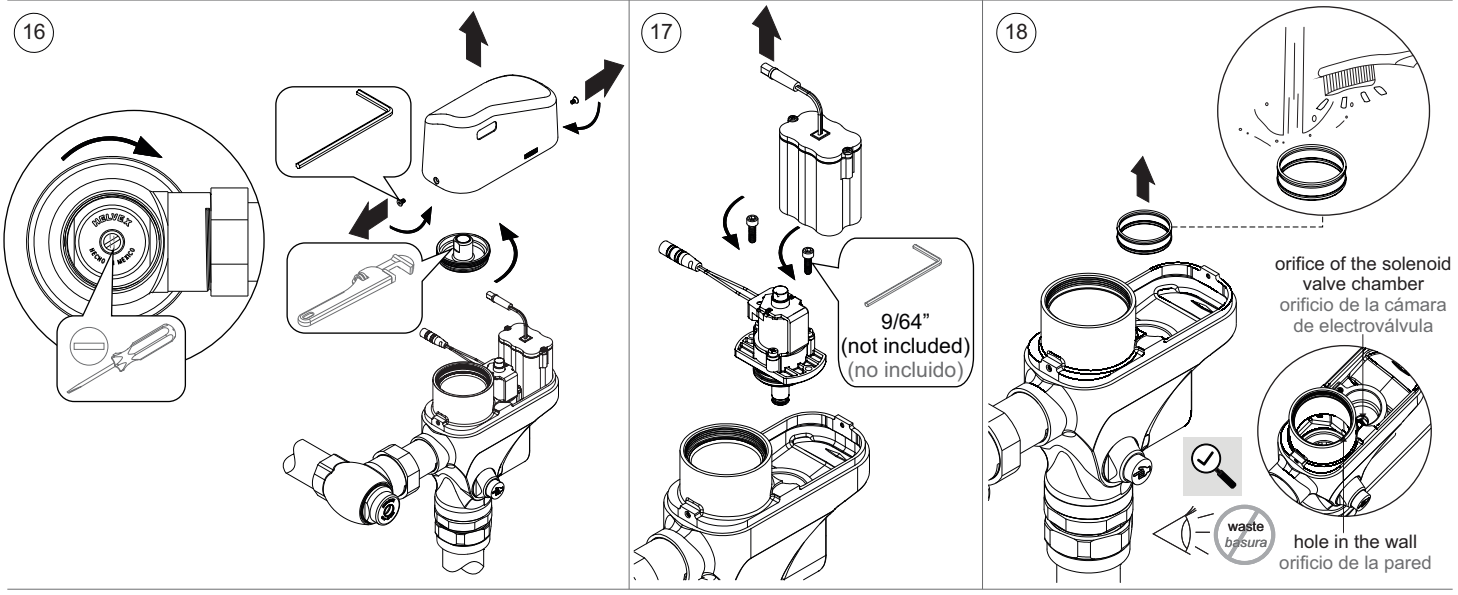
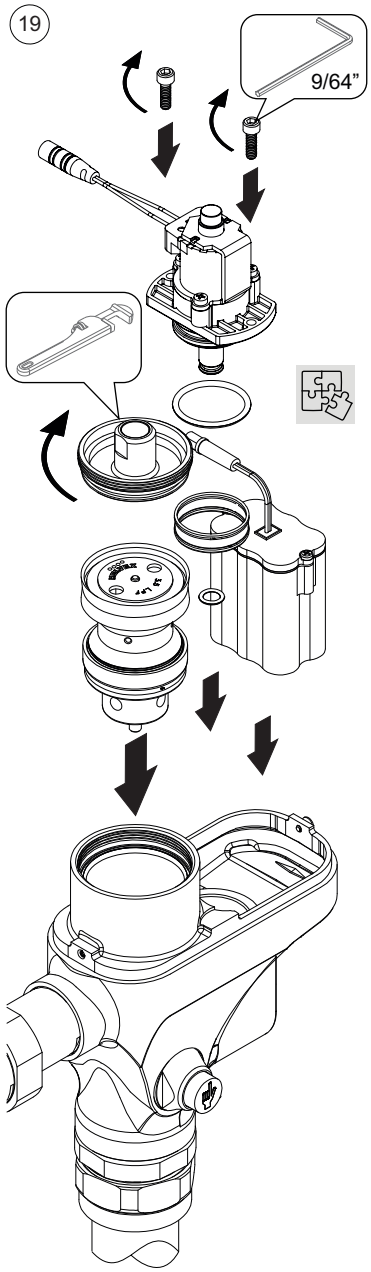

11
12

**Purge** **Purga**


13
14
remove
retire
15
supply pipe
tubería de
alimentación


16
17
9/64"
(not included)
(no incluido)
18
orifice of the solenoid
valve chamber
orificio de la cámara
de electroválvula
waste
basura
hole in the wall
orificio de la pared

19

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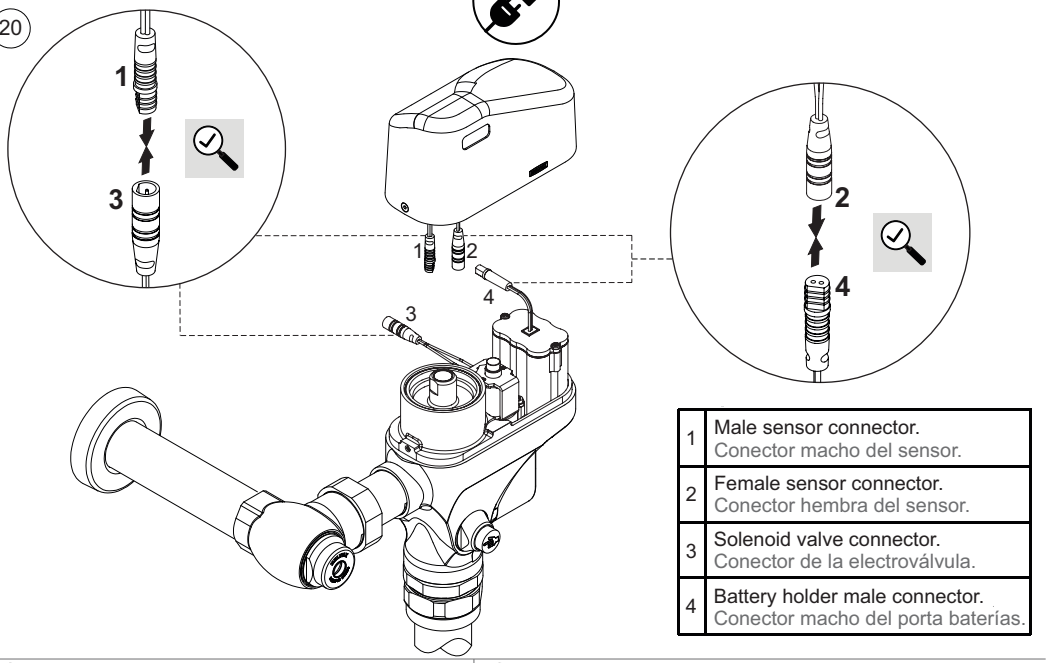
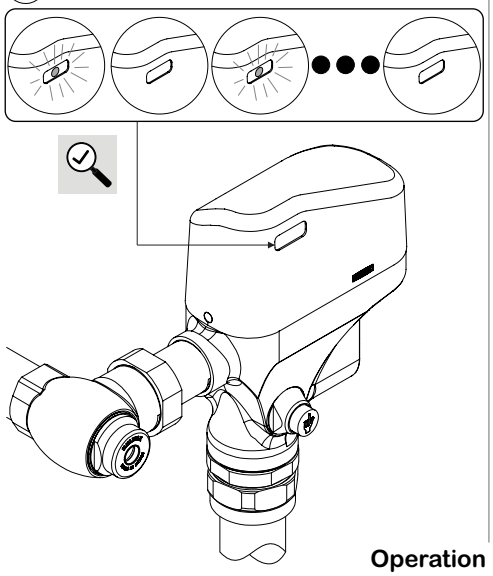



| | |
|---|---|
| 1 | Male sensor connector.<br>Conector macho del sensor. |
| 2 | Female sensor connector.<br>Conector hembra del sensor. |
| 3 | Solenoid valve connector.<br>Conector de la electroválvula. |
| 4 | Battery holder male connector.<br>Conector macho del porta baterías. |

21



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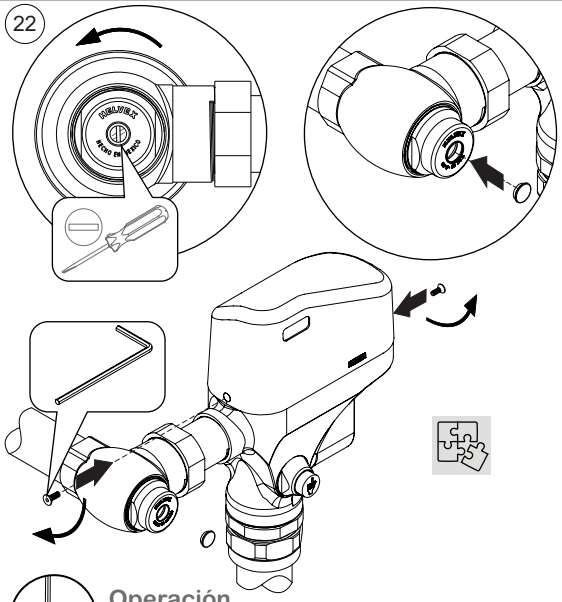
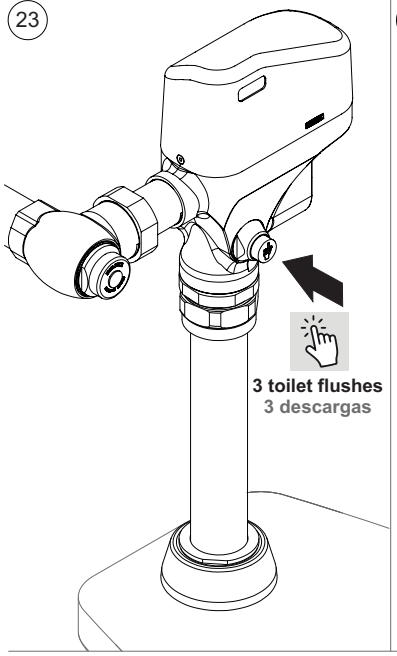


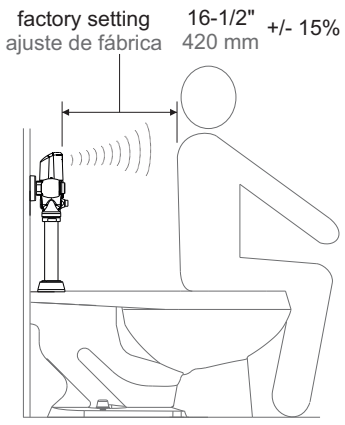
## Operation | Operación

23



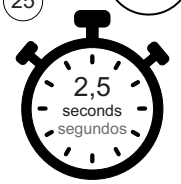
**3 toilet flushes**
**3 descargas**

24




**Minimum detection time 5 s.**
**Tiempo mínimo de detección 5 s.**

25

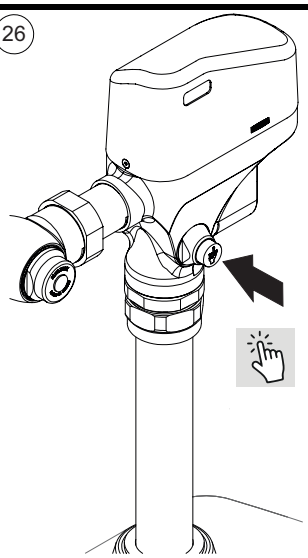



**SFW-1.0**
1,0 GPF
3,8 LPD

**SFW-1.28**
1,28 GPF
4,8 LPD

**SFW-1.6**
1,6 GPF
6,0 LPD

26

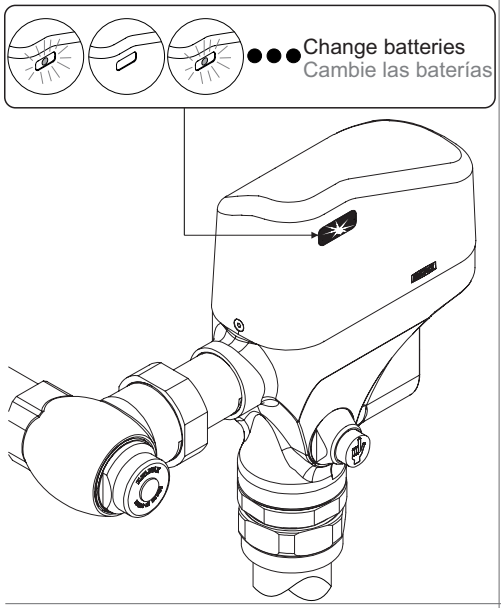


**The flushometer has a manual activation button in case the detection system is not operative.**
**El fluxómetro cuenta con un sistema de activación manual en caso de que el sistema de detección no esté operativo.**

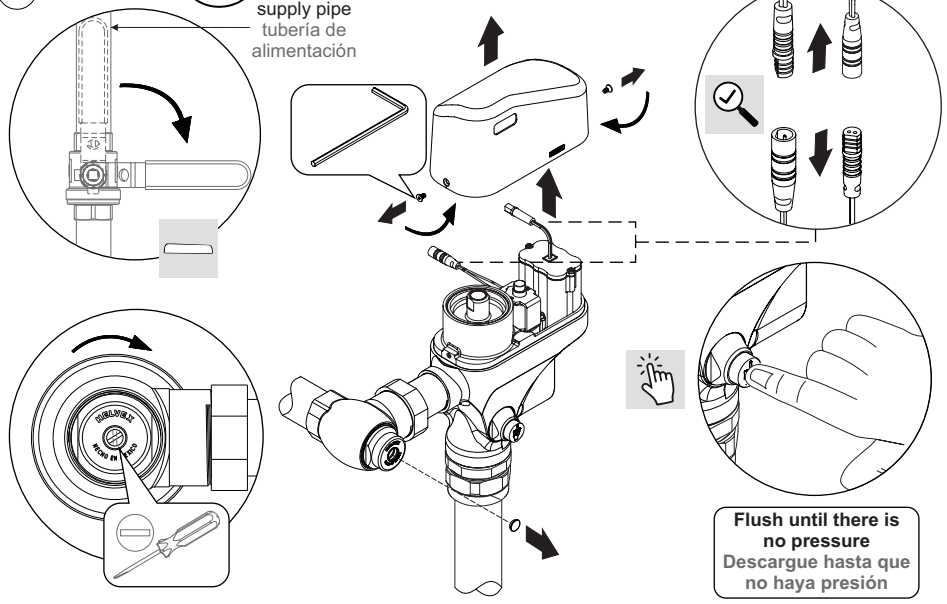
## Batteries Replacement

## Cambio de Baterías

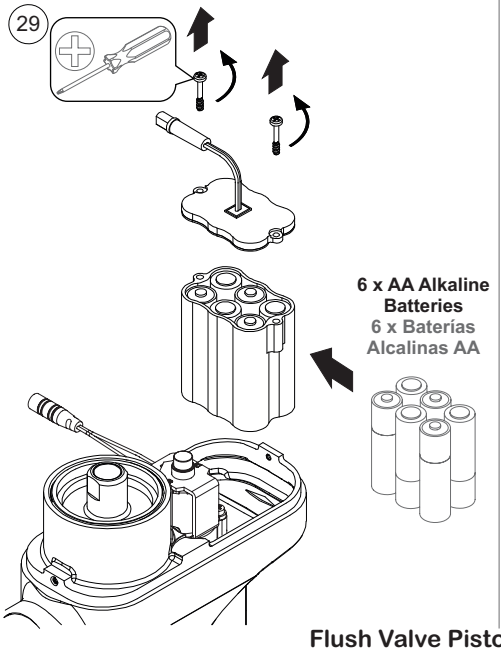
27



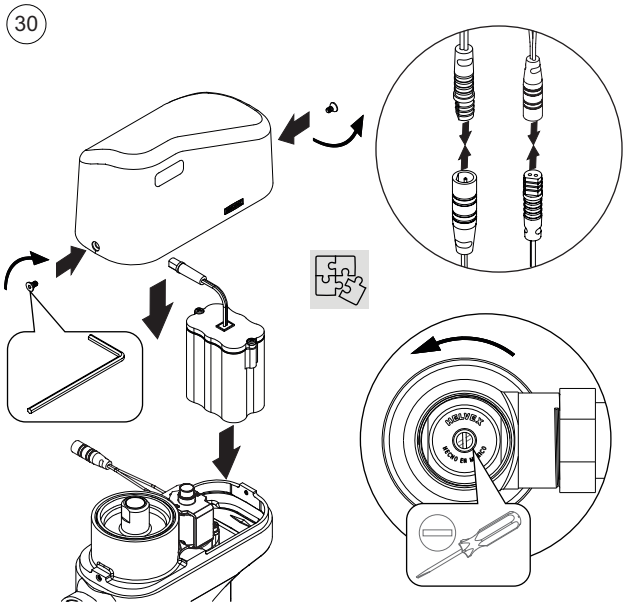

28



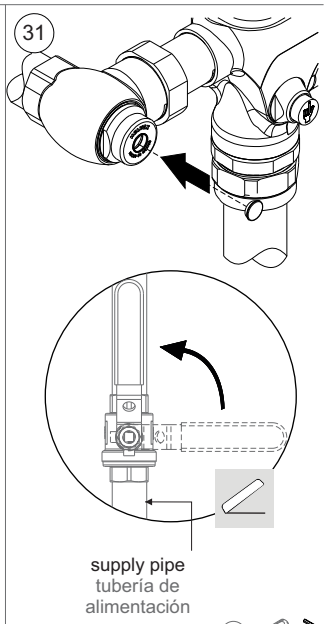

29




30



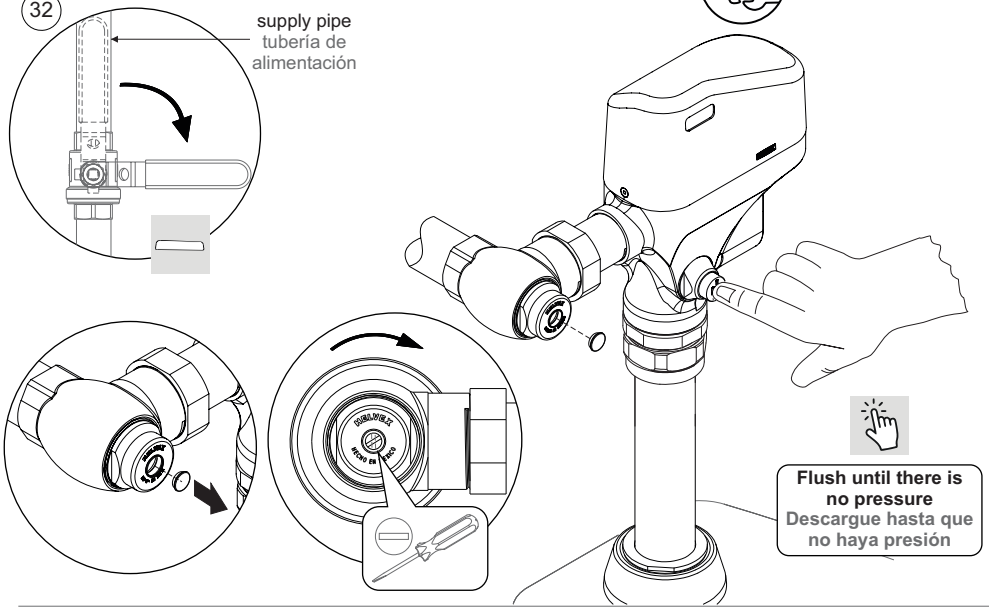
31



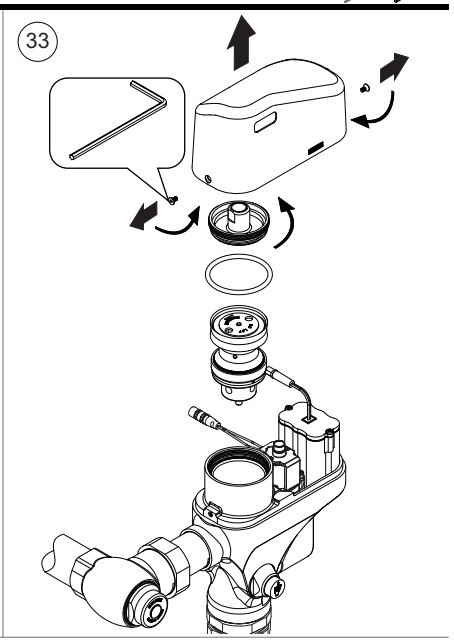

## Flush Valve Piston Maintenance

## Mantenimiento del Émbolo

32




33

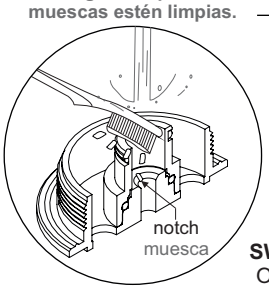


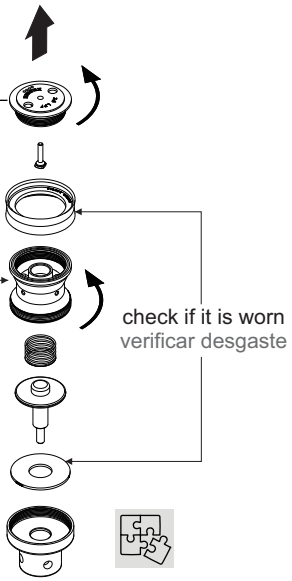
## Vacuum Breaker Maintenance

## Mantenimiento del Rompe-Vacío

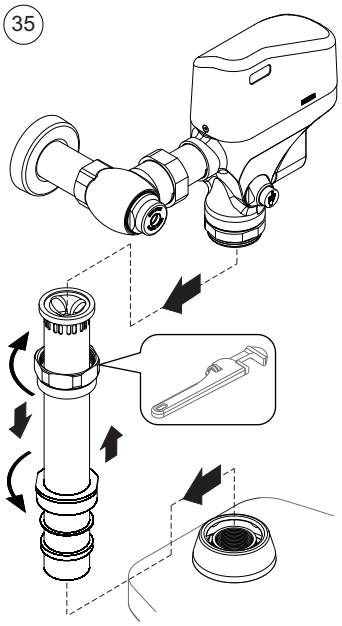
34

**Make sure the notches are clean.**
**Asegúrese que las muescas estén limpias.**

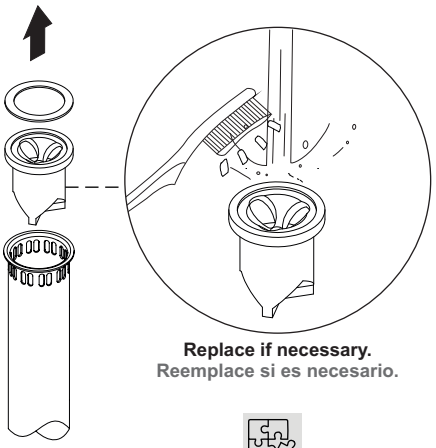



35



36

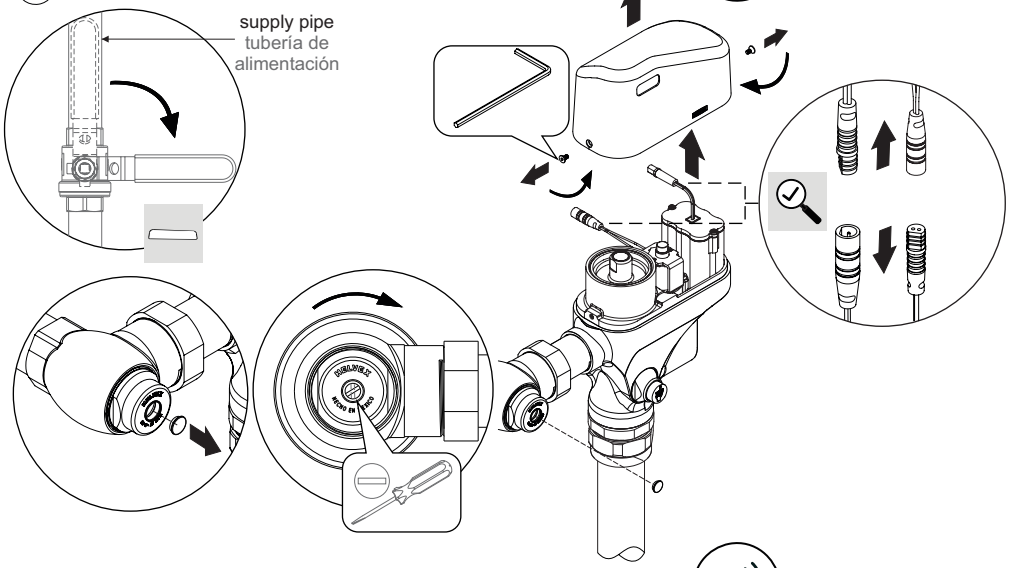


**Replace if necessary.**
**Reemplace si es necesario.**

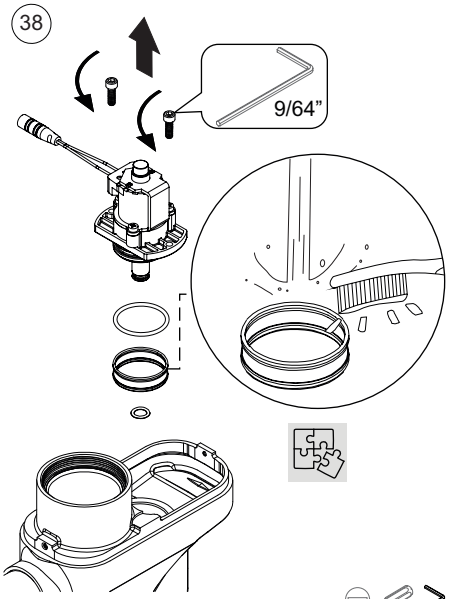
## Solenoid Valve Maintenance

## Mantenimiento de la Válvula Solenoide

37



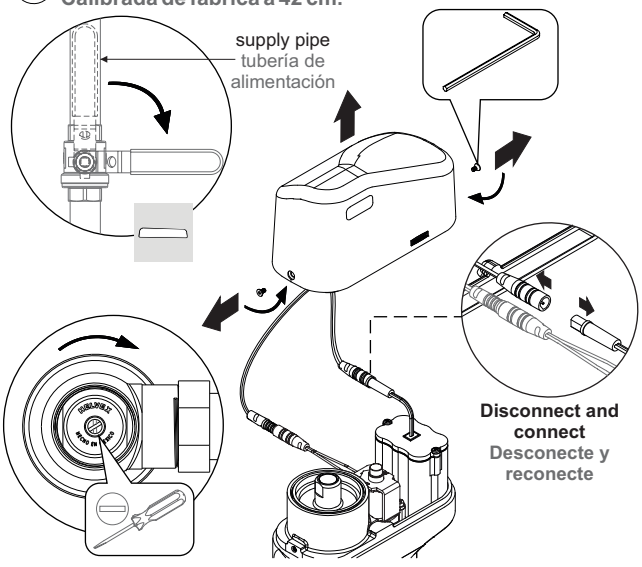

38



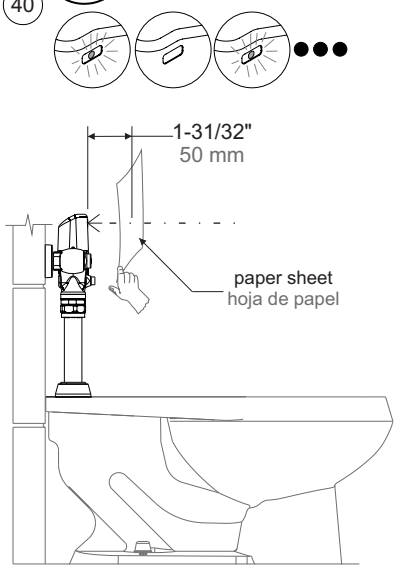

## Change of Detection Level

## Ajuste de detección

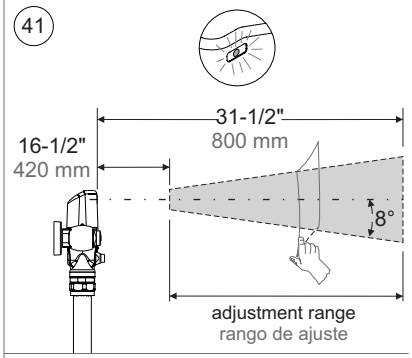
39 **Factory calibrated at 16-1/2”.**
**Calibrada de fábrica a 42 cm.**

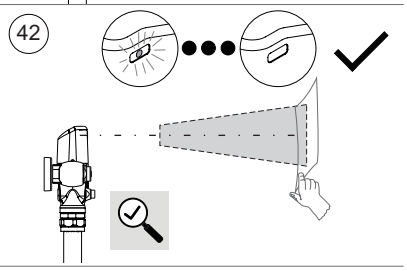



40




41




42