

Top Spud Urinal Installation Instructions

▲ WARNING: Any vitreous china can chip or break if the bolts or nuts are over-tightened or if mishandled. Personal injury can occur if product is mishandled.

BEFORE YOU START...

- Observe all local plumbing and building codes.
- Check for any damage to the new urinal before installation.
- Make sure the wall is strong enough to support the new urinal prior to installation. Reinforce or install a urinal carrier if necessary.
- Urinal complies to ASME Standard A112.19.2

WHAT YOU WILL NEED...

- Electric Drill (heavy duty 1/2" VSR hammer drill preferred if mounting to concrete wall)
- High Speed or carbide tipped masonry bits if mounting to concrete wall
- Putty knife or sharp scraper
- Screwdrivers (Phillips and flat head)
- Safety glasses
- Measuring tape and marker
- Level (24" minimum preferred)
- Caulking gun and caulk
- Channel lock pliers, adjustable wrench, and utility knife
- Manual or electric drain cleaner
- Additional materials and tools may be required for rough-in and reinforcing.

NOTE: Plumbing System Requirements
√ Minimum **Flowing** Pressure: 25 PSI

▲ WARNING: Hazardous gases can escape through the waste pipe if new urinal is not installed quickly. A temporary fix: place a rag in the waste pipe hole.

RETROFIT INSTALLATIONS

1. REMOVE EXISTING URINAL

- Turn off the water supply.
- Disconnect the flush valve.
- Cut caulk all around existing urinal using utility knife to release urinal from wall surface.
- Remove any attaching bolts that may be holding the urinal at the bottom.
- Remove urinal from wall.
- Remove existing hanger bracket.
- Using sharp scraper or putty knife, completely remove all remaining caulk from wall.
- Remove existing outlet flange and gasket and discard.

2. CHECK ROUGH-IN DIMENSIONS

- Check rough-in dimensions. Make any adjustments to water supply to accommodate flush valve as necessary.

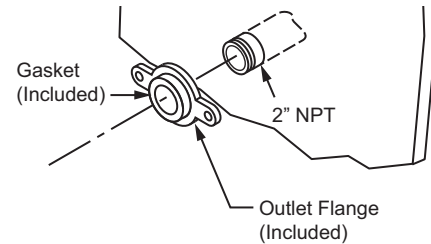
3. CLEAN DRAIN

- Clean out waste pipe using hand or power cleaner to be sure pipe is clear.
- Proceed to NEW INSTALLATIONS.

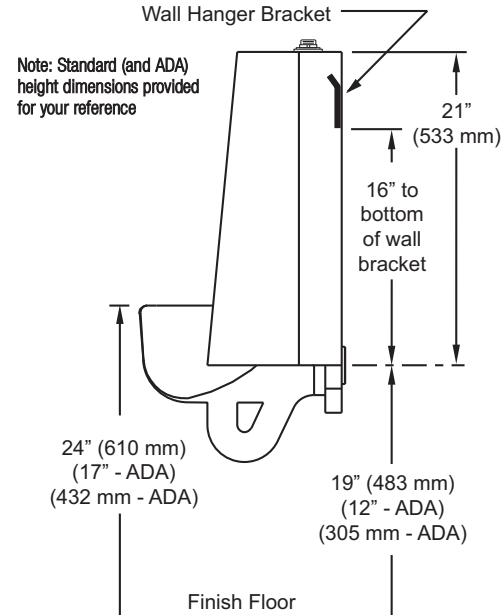
NEW INSTALLATIONS

1. INSTALL OUTLET FLANGE AND GASKET

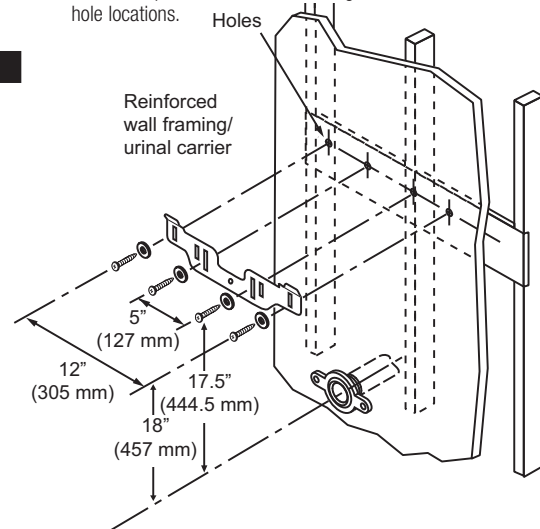
- Remove the temporary rag (if used) from the waste pipe hole.
- Apply thread sealant to waste pipe threads and install new outlet flange on pipe.



2. INSTALL NEW WALL HANGER BRACKET (INCLUDED)



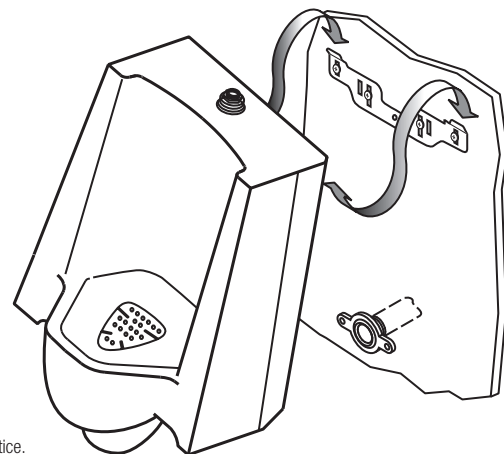
- Wall must be properly reinforced to support urinal.
- Determine position for new wall hanger bracket and mark hole locations.



- Drill holes in wall (use wall anchors if needed).
- Mount and level wall hanger bracket using mounting screws and washers (included).

3. INSTALL NEW URINAL

- Install urinal on wall hanger bracket and secure bottom of urinal with bolts.



Note: Check if urinal is level. If not, adjust bracket.

▲ CAUTION! Do not over-tighten the bolts. Breakage and chipping of vitreous china can occur.

Hand tighten hex end into acorn nut before carefully securing and tightening bolts

4. COMPLETING THE INSTALLATION

- Install flush valve to manufacturer's installation instructions.
- Turn on water supply valve.
- Flush urinal a few times and check all connections for water seepage.
- Caulk urinal perimeter where urinal meets the wall surface to provide a suitable hygienic seal.
- Drop in Urinal Fragrance pad (included).
- Recheck for leaks for a few days.
- Record model number for reference and fill out and send in warranty card.

CARE AND CLEANING OF VITREOUS CHINA

Clean urinals with a cleaner safe for vitreous china such as Sloan's Waterfree Urinal Cleaner/Deodorizer. Spray and wipe clean using soft cloth. Soft abrasive cleaners may be used to remove stains.

LIMITED WARRANTY

Sloan Valve Company warrants its Flushometer Products to be made of first class materials, free from defects of material or workmanship under normal use and to perform the service for which they are intended in a thoroughly reliable and efficient manner when properly installed and serviced, for a period of three years from date of purchase. During this period, Sloan Valve Company will, at its option, repair or replace any part or parts which prove to be thus defective if returned to Sloan Valve Company, at customer's cost, and this shall be the sole remedy available under this warranty. No claims will be allowed for labor, transportation or other incidental costs. This warranty extends only to persons or organizations who purchase Sloan Valve Company's products directly from Sloan Valve Company for purpose of resale.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. IN NO EVENT IS SLOAN VALVE COMPANY RESPONSIBLE FOR ANY CONSEQUENTIAL DAMAGES OF ANY MEASURE WHATSOEVER.

NOTE: IN NO EVENT SHALL THE SLOAN VALVE COMPANY BE LIABLE FOR INCIDENTAL DAMAGES, RESULTING FROM IMPROPER INSTALLATION, OR FOR DAMAGES CAUSED BY NEGLIGENCE, ABUSE OR ALTERATION.

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The information contained in this document is subject to change without notice.

Instalación de Mingitorio

▲ ADVERTENCIA: Cualquier porcelana puede astillarse o romperse si los pernos o las tuercas se aprietan de más o si se maltratan. Pueden ocurrir lesiones personales si el producto se maneja erróneamente.

ANTES DE COMENZAR...

- Observe todos los códigos locales de plomería y construcción.
- Revise si el nuevo mingitorio presenta daños antes de su instalación.
- Asegúrese que la pared sea suficientemente fuerte para soportar el nuevo mingitorio antes de instalarlo. Refuerce o instale un portador de mingitorio de ser necesario.
- Las dimensiones cumplen con el estándar ASME A112.19.2

USTED NECESITA...

- Taladro eléctrico (preferible un martillo perforador 1/2" VSR de uso pesado si se monta en pared de concreto)
- Brocas para mampostería de alta velocidad o punta de carburo si se monta en pared de concreto.
- Espátula para masilla o raspador filoso
- Destornilladores (Phillips y plano)
- Lentes de seguridad
- Cinta de medir y marcador
- Nivel (mínimo preferido 24")
- Pistola para calafatear y masilla
- Pinzas regulables, llave ajustable y cuchillo multiusos.
- Limpiador de desagüe manual o eléctrico
- Pueden requerirse materiales y herramientas adicionales para preparación y refuerzo.

Nota: Requisitos del sistema de plomería
Presión mínima de flujo: 25 PSI

▲ ADVERTENCIA: Pueden escapar gases peligrosos por la tubería de drenaje si no se instala rápidamente el mingitorio nuevo. Revise sus códigos locales de plomería. Arreglo temporal: coloque un trapo en el agujero de tubo de drenaje.

INSTALACIONES DE REPUESTO

1. REMUEVA EL MINGITORIO EXISTENTE

- Cierre el suministro de agua.
- Desconecte la válvula de descarga.
- Corte la masilla por todo el perímetro del mingitorio existente usando el cuchillo multiusos para soltar el mingitorio de la superficie de la pared.
- Remueva cualesquier pernos de sujeción que puedan estar soportando el mingitorio en la parte inferior.
- Remueva el mingitorio de la pared.
- Remueva el soporte de colgar existente.
- Usando el raspador filoso o la espátula para masilla, remueva por completo la masilla restante de la pared.
- Remueva la brida y el empaque de salida existentes y elimínelos.

2. REVISE LAS DIMENSIONES DE PREPARACIÓN

- Revise las dimensiones de preparación. Haga los ajustes que se requieran a la alimentación de agua para acomodar la válvula de descarga.

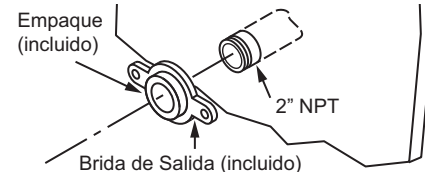
3. LIMPIE EL DESAGÜE

- Limpie el tubo de drenaje usando un limpiador manual o mecánico para asegurarse que el tubo esté despejado.
- Proceda a INSTALACIONES NUEVAS.

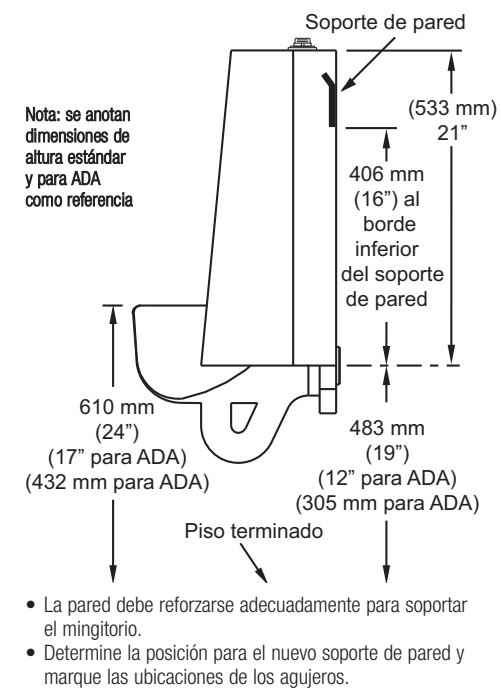
INSTALACIONES NUEVAS

1. INSTALE LA BRIDA Y EL EMPAQUE DE SALIDA

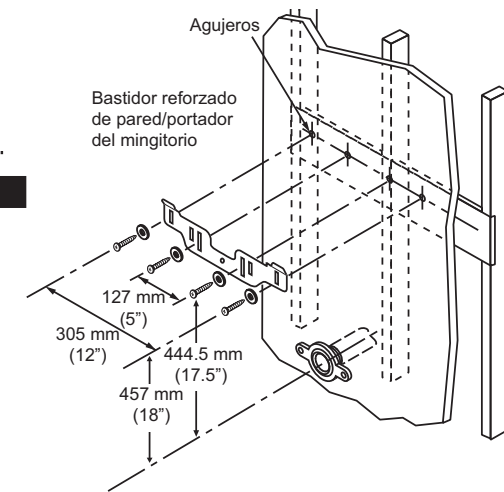
- Remueva el trapo temporal (si se utilizó) del agujero del tubo de drenaje.
- Aplique sellador de rosca a las rosas del tubo de drenaje e instale la nueva brida de salida en el tubo. Ponga el empaque en la brida de salida.



2. INSTALE EL NUEVO SOPORTE (INCLUIDO)



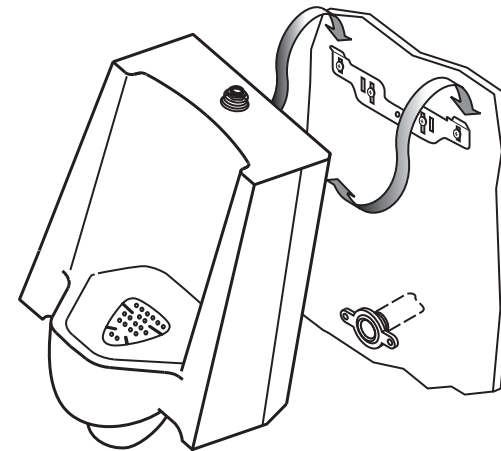
- La pared debe reforzarse adecuadamente para soportar el mingitorio.
- Determine la posición para el nuevo soporte de pared y marque las ubicaciones de los agujeros.



- Taladre agujeros en la pared (use taquetes si se requiere)
- Monte y nivele el soporte de pared usando los tornillos y arandelas de montaje (incluidos).

3. INSTALE EL NUEVO MINGITORIO

- Instale el mingitorio en el soporte de pared y asegúrelo en la parte inferior con pernos.



Nota: Revise si el mingitorio está nivelado. Si no lo está, ajuste el soporte.

▲ PRECAUCIÓN! No apriete los pernos en exceso. La porcelana puede romperse y astillarse.

4. COMPLETE LA INSTALACIÓN

- Instale la válvula de descarga de acuerdo con las instrucciones del fabricante.
- Abra la válvula de alimentación de agua.
- Descargue el mingitorio varias veces y revise todas las conexiones para verificar si presentan fugas.
- Ponga masilla en el perímetro del mingitorio donde éste se une a la superficie de la pared para aportar un sello higiénico adecuado.
- Coloque la plantilla de fragancia (incluida).
- Siga revisando si hay fugas por varios días.
- Registre el número de modelo como referencia y llene y envíe la tarjeta de garantía.

CUIDADO Y LIMPIEZA DE LA PORCELANA

Limpie los mingitorios con un limpiador que sea seguro para porcelana, como el Desodorante/Limpiador para Mingitorios Sloan Waterfree. Rocíe y talle con un trapo suave. Se pueden utilizar limpiadores abrasivos suaves para remover manchas.

GARANTÍA LIMITADA

Sloan Valve Company garantiza que sus Productos de Fluxómetro están hechos con materiales de primera clase, libres de defectos en material o mano de obra bajo uso normal y que prestan el servicio para el que fueron fabricados en una forma totalmente eficiente y confiable siempre que se instalen adecuadamente y se les dé el servicio adecuado, por un periodo de tres años a partir de la fecha de compra. Durante este periodo Sloan, a su discreción, reparará o reemplazará cualquier parte o partes que se comprueben que estén defectuosas si se devuelven a Sloan a costo del cliente, y éste será el único recurso correctivo que se ofrece con esta garantía. No se aceptan reclamos por mano de obra, transporte u otros costos incidentales. La presente garantía se extiende únicamente a personas u organizaciones que compren los productos de Sloan Valve Company directamente de Sloan Valve Company con fines de reventa.

NO EXISTEN MÁS GARANTÍAS QUE SE EXTIENDAN MÁS ALLÁ DE LA QUE SE DESCRIBIÓ ANTERIORMENTE. EN NINGÚN CASO SLOAN VALVE COMPANY ES RESPONSABLE POR CUALQUIER DAÑO CONSECUENTE DE CUALQUIER CLASE

NOTA: EN NINGÚN CASO SLOAN VALVE COMPANY SERÁ RESPONSABLE POR DAÑOS INCIDENTALES QUE RESULTEN DE INSTALACIÓN INADECUADA O POR DAÑOS CAUSADOS POR NEGLIGENCIA, ABUSO O ALTERACIONES.

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Rear Spud Urinal Installation Instructions

▲ WARNING: Any vitreous china can chip or break if the bolts or nuts are over-tightened or if mishandled. Personal injury can occur if product is mishandled.

BEFORE YOU START...

- Observe all local plumbing and building codes.
- Check for any damage to the new urinal before installation.
- Make sure the wall is strong enough to support the new urinal prior to installation. Reinforce or install a urinal carrier if necessary.
- Urinal complies to ASME Standard A112.19.2

WHAT YOU WILL NEED...

- Electric Drill (heavy duty 1/2" VSR hammer drill preferred if mounting to concrete wall)
- High Speed or carbide tipped masonry bits if mounting to concrete wall
- Putty knife or sharp scraper
- Screwdrivers (Phillips and flat head)
- Safety glasses
- Measuring tape and marker
- Level (24" minimum preferred)
- Caulking gun and caulk
- Channel lock pliers, adjustable wrench, and utility knife
- Manual or electric drain cleaner
- Additional materials and tools may be required for rough-in and reinforcing.

NOTE: Plumbing System Requirements
√ Minimum **Flowing** Pressure: 25 PSI

▲ WARNING: Hazardous gases can escape through the waste pipe if new urinal is not installed quickly. A temporary fix: place a rag in the waste pipe hole.

RETROFIT INSTALLATIONS

1. REMOVE EXISTING URINAL

- Turn off the water supply.
- Disconnect the flush valve.
- Cut caulk all around existing urinal using utility knife to release urinal from wall surface.
- Remove any attaching bolts that may be holding the urinal at the bottom.
- Remove urinal from wall.
- Remove existing hanger bracket.
- Using sharp scraper or putty knife, completely remove all remaining caulk from wall.
- Remove existing outlet flange and gasket and discard.

2. CHECK ROUGH-IN DIMENSIONS

- Check rough-in dimensions. Make any adjustments to water supply to accommodate flush valve as necessary.

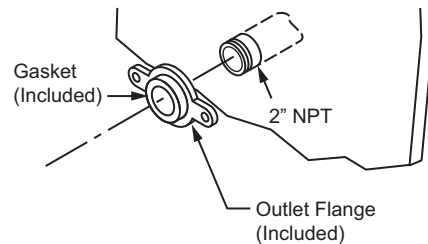
3. CLEAN DRAIN

- Clean out waste pipe using hand or power cleaner to be sure pipe is clear.
- Proceed to NEW INSTALLATIONS.

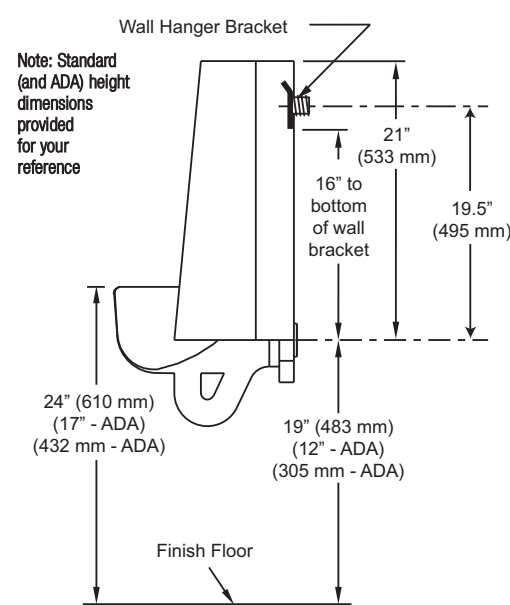
NEW INSTALLATIONS

1. INSTALL OUTLET FLANGE AND GASKET

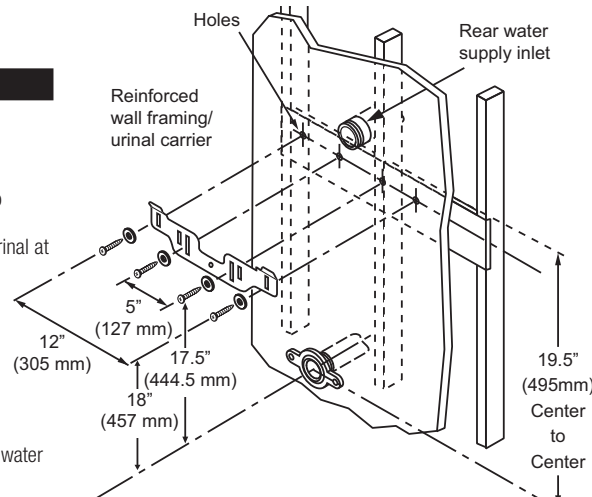
- Remove the temporary rag (if used) from the waste pipe hole.
- Apply thread sealant to waste pipe threads and install new outlet flange on pipe.



2. INSTALL NEW WALL HANGER BRACKET (INCLUDED)



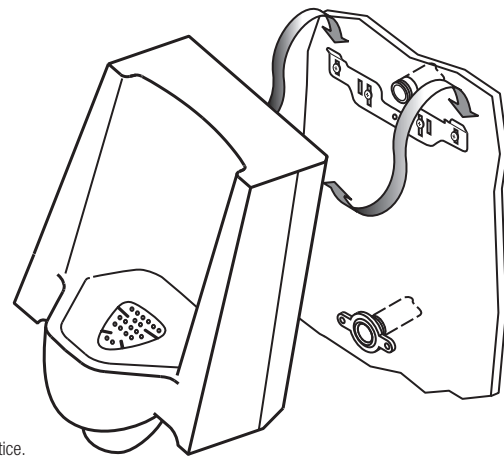
- Wall must be properly reinforced to support urinal.
- Determine position for new wall hanger bracket and mark hole locations.



- Drill holes in wall (use wall anchors if needed).
- Mount and level wall hanger bracket using mounting screws and washers (included).

3. INSTALL NEW URINAL

- Install urinal on wall hanger bracket and secure bottom of urinal with bolts.



Note: Check if urinal is level. If not, adjust bracket.

▲ CAUTION! Do not overtighten the bolts. Breakage and chipping of vitreous china can occur.

Hand tighten hex end into acorn nut before carefully securing and tightening bolts

4. COMPLETING THE INSTALLATION

- Install flush valve to manufacturer's installation instructions.
- Turn on water supply valve.
- Flush urinal a few times and check all connections for water seepage.
- Caulk urinal perimeter where urinal meets the wall surface to provide a suitable hygienic seal.
- Drop in Urinal Fragrance pad (included).
- Recheck for leaks for a few days.
- Record model number for reference and fill out and send in warranty card.

CARE AND CLEANING OF VITREOUS CHINA

Clean urinals with a cleaner safe for vitreous china such as Sloan's Waterfree Urinal Cleaner/Deodorizer. Spray and wipe clean using soft cloth. Soft abrasive cleaners may be used to remove stains.

LIMITED WARRANTY

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Instalación de Mingitorio con Spud Trasero

▲ ADVERTENCIA: Cualquier porcelana puede astillarse o romperse si los pernos o las tuercas se aprietan de más o si se maltratan. Pueden ocurrir lesiones personales si el producto se maneja erróneamente.

ANTES DE COMENZAR...

- Observe todos los códigos locales de plomería y construcción.
- Revise si el nuevo mingitorio presenta daños antes de su instalación.
- Asegúrese que la pared sea suficientemente fuerte para soportar el nuevo mingitorio antes de instalarlo. Refuerce o instale un portador de mingitorio de ser necesario.
- Las dimensiones cumplen con el estándar ASME A112.19.2.

USTED NECESITA...

- Taladro eléctrico (preferible un martillo perforador 1/2" VSR de uso pesado si se monta en pared de concreto)
- Brocas para mampostería de alta velocidad o punta de carburo si se monta en pared de concreto.
- Espátula para masilla o raspador filoso
- Destornilladores (Phillips y plano)
- Lentes de seguridad
- Cinta de medir y marcador
- Nivel (mínimo preferido 24")
- Pistola para calafatear y masilla
- Pinzas regulables, llave ajustable y cuchillo multiusos.
- Limpiador de desagüe manual o eléctrico
- Pueden requerirse materiales y herramientas adicionales para preparación y refuerzo.

Nota: Requisitos del sistema de plomería
Presión mínima de flujo: 25 PSI

▲ ADVERTENCIA: Pueden escapar gases peligrosos por la tubería de drenaje si no se instala rápidamente el mingitorio nuevo. Revise sus códigos locales de plomería. Arreglo temporal: coloque un trapo en el agujero de tubo de drenaje.

INSTALACIONES DE REPUESTO

1. REMUEVA EL MINGITORIO EXISTENTE

- Cierre el suministro de agua.
- Desconecte la válvula de descarga.
- Corte la masilla por todo el perímetro del mingitorio existente usando el cuchillo multiusos para soltar el mingitorio de la superficie de la pared.
- Remueva cualesquier pernos de sujeción que puedan estar soportando el mingitorio en la parte inferior.
- Remueva el mingitorio de la pared.
- Remueva el soporte de colgar existente.
- Usando el raspador filoso o la espátula para masilla, remueva por completo la masilla restante de la pared.
- Remueva la brida y el empaque de salida existentes y elimínelos.

2. REVISE LAS DIMENSIONES DE PREPARACIÓN

- Revise las dimensiones de preparación. Haga los ajustes que se requieran a la alimentación de agua para acomodar la válvula de descarga.

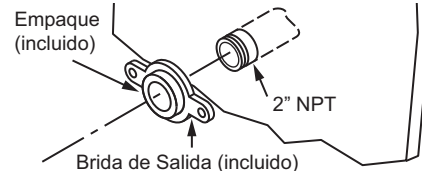
3. LIMPIE EL DESAGÜE

- Limpie el tubo de drenaje usando un limpiador manual o mecánico para asegurarse que el tubo esté despejado.
- Proceda a INSTALACIONES NUEVAS.

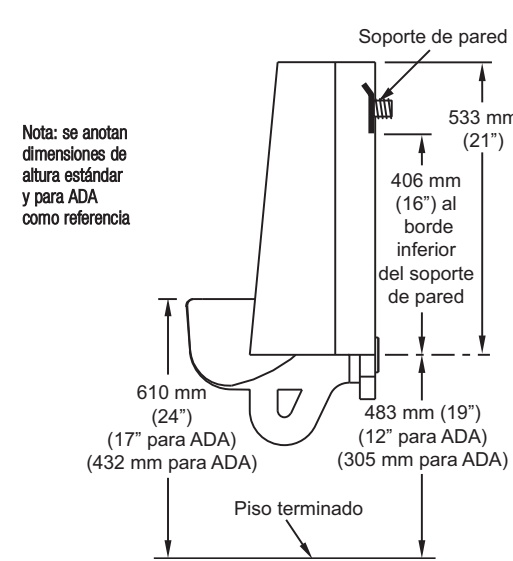
INSTALACIONES NUEVAS

1. INSTALE LA BRIDA Y EL EMPAQUE DE SALIDA

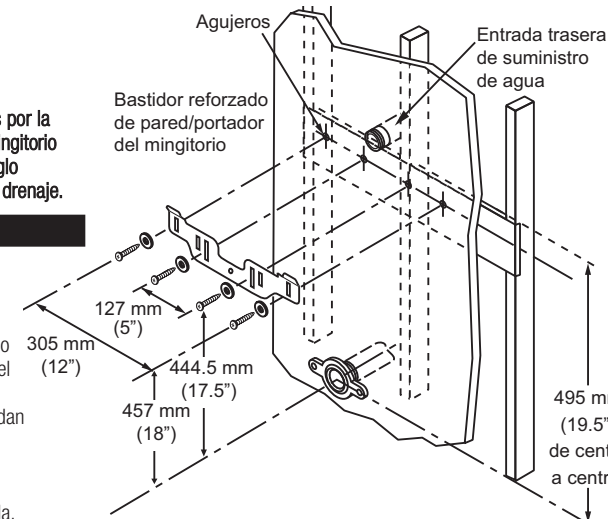
- Remueva el trapo temporal (si se utilizó) del agujero del tubo de drenaje.
- Aplique sellador de rosca a las rosas del tubo de drenaje e instale la nueva brida de salida en el tubo. Ponga el empaque en la brida de salida.



2. INSTALE EL NUEVO SOPORTE DE PARED (INCLUIDO)



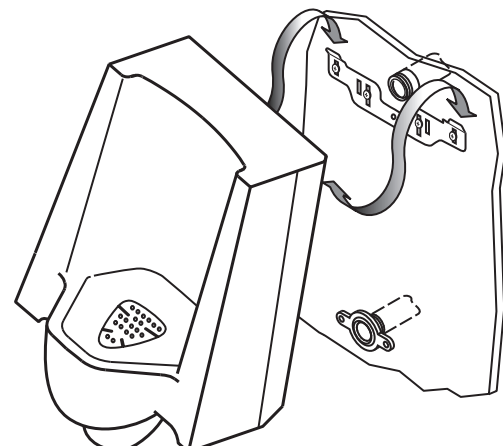
- La pared debe reforzarse adecuadamente para soportar el mingitorio.
- Determine la posición para el nuevo soporte de pared y marque las ubicaciones de los agujeros.



- Taladre agujeros en la pared (use taquetes si se requiere)
- Monte y nivele el soporte de pared usando los tornillos y arandelas de montaje (incluidos)

3. INSTALE EL NUEVO MINGITORIO

- Instale el mingitorio en el soporte de pared y asegúrelo en la parte inferior con pernos.



Nota: Revise si el mingitorio está nivelado. Si no lo está, ajuste el soporte.

PRECAUCION! No apriete los pernos en exceso. La porcelana puede romperse y astillarse.

4. COMPLETE LA INSTALACIÓN

- Instale la válvula de descarga de acuerdo con las instrucciones del fabricante.
- Abra la válvula de alimentación de agua.
- Descargue el mingitorio varias veces y revise todas las conexiones para verificar si presentan fugas.
- Ponga masilla en el perímetro del mingitorio donde éste se une a la superficie de la pared para aportar un sello higiénico adecuado.
- Coloque la plantilla de fragancia (incluida).
- Siga revisando si hay fugas por varios días.
- Registre el número de modelo como referencia y llene y envíe la tarjeta de garantía.

CUIDADO Y LIMPIEZA DE LA PORCELANA

Limpie los mingitorios con un limpiador que sea seguro para porcelana, como el Desodorante/Limpiador para Mingitorios Sloan Waterfree. Rocíe y talle con un trapo suave. Se pueden utilizar limpiadores abrasivos suaves para remover manchas.

GARANTÍA LIMITADA

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NOTA: EN NINGÚN CASO SLOAN VALVE COMPANY SERÁ RESPONSABLE POR DAÑOS INCIDENTALES QUE RESULTEN DE INSTALACIÓN INADECUADA O POR DAÑOS CAUSADOS POR NEGLIGENCIA, ABUSO O ALTERACIONES.

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HEU I.I. No. Código 0816421

INSTALLATION INSTRUCTIONS FOR EXPOSED SLOAN WATER CLOSET AND URINAL FLUSHOMETERS



Closet Flushometer for 1½” Top Spud

- MODELS 110/111, 113, 114, 115 & 116

Service Sink Flushometer for 1½” Top Spud

- MODEL 117



Urinal Flushometer for ¼” Top Spud

- MODEL 180

Urinal Flushometer for ¾” Top Spud

- MODEL 186



Closet Flushometer for 1½” Back Spud

- MODELS 120, 121 & 122

LIMITED WARRANTY

Unless otherwise noted, Sloan Valve Company warrants this product, manufactured and sold for commercial or industrial uses, to be free from defects in material and workmanship for a period of three (3) years (one (1) year for special finishes, SF faucets, PWT electronics and 30 days for PWT software) from date of first purchase. During this period, Sloan Valve Company will, at its option, repair, replace, or refund the purchase price of any product which fails to conform with this warranty under normal use and service. This shall be the sole and exclusive remedy under this warranty. Products must be returned to Sloan Valve Company, at customer's cost. No claims will be allowed for labor, transportation or other costs. This warranty extends only to persons or organizations who purchase Sloan Valve Company's products directly from Sloan Valve Company for purpose of resale. This warranty does not cover the life of the batteries.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. IN NO EVENT IS SLOAN VALVE COMPANY RESPONSIBLE FOR ANY CONSEQUENTIAL DAMAGES OF ANY MEASURE WHATSOEVER.

PRIOR TO INSTALLATION

Before you install the Sloan Flushometer, be sure the items listed below are installed. Also, refer to the rough-in diagram below.

- Closet fixture
- Drain line
- Water supply line

IMPORTANT:

- **ALL PLUMBING SHOULD BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODES AND REGULATIONS.**
- **WATER SUPPLY LINES MUST BE SIZED TO PROVIDE AN ADEQUATE VOLUME OF WATER FOR EACH FIXTURE.**
- **FLUSH ALL WATER LINES PRIOR TO MAKING CONNECTIONS.**

The Sloan Flushometer is designed to operate with 15 to 80 psi (103 to 552 kPa) of water pressure. **THE MINIMUM PRESSURE REQUIRED TO THE VALVE IS DETERMINED BY THE TYPE OF FIXTURE SELECTED.** Consult fixture manufacturer for minimum pressure requirements. Most High Efficiency water closets require a minimum flowing pressure of 25 psi (172 kPa). Many building codes and the ASME A112.19.2 fixture standard list Maximum static water pressure as 80 PSI (552 kPa).

TOOLS REQUIRED FOR INSTALLATION

- Straight blade screwdriver
- Sloan A-50 Super-Wrench™, Sloan A-109 Plier Wrench or smooth jawed spud wrench

!!! IMPORTANT !!!

PROTECT THE FINISH OF SLOAN FLUSHOMETERS – DO NOT USE TOOTHED TOOLS TO INSTALL OR SERVICE THESE VALVES. USE A SLOAN A-50 SUPER-WRENCH™, SLOAN A-109 PLIER WRENCH OR SMOOTH JAWED SPUD WRENCH TO SECURE ALL COUPLINGS. ALSO SEE “CARE AND CLEANING” SECTION OF THIS MANUAL.

!!! IMPORTANT !!!

WITH THE EXCEPTION OF CONTROL STOP INLET, DO NOT USE PIPE SEALANT OR PLUMBING GREASE ON ANY VALVE COMPONENT OR COUPLING!

!!! IMPORTANT !!!

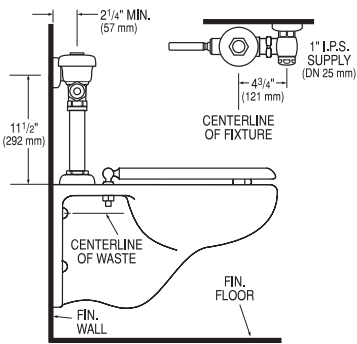
THIS PRODUCT CONTAINS MECHANICAL AND/OR ELECTRICAL COMPONENTS THAT ARE SUBJECT TO NORMAL WEAR. THESE COMPONENTS SHOULD BE CHECKED ON A REGULAR BASIS AND REPLACED AS NEEDED TO MAINTAIN THE VALVE'S PERFORMANCE.

If you have questions about how to install your Sloan flushometer, consult your local Sloan Representative or call Sloan Technical Support at:

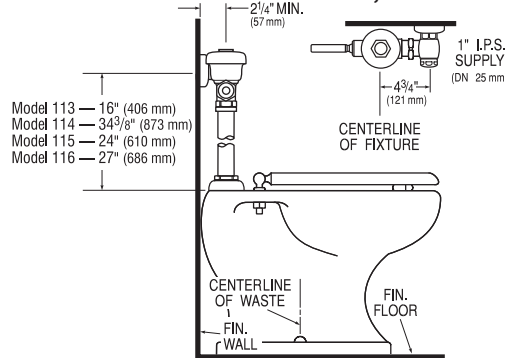
1-888-SLOAN-14 (1-888-756-2614)

ROUGH-IN

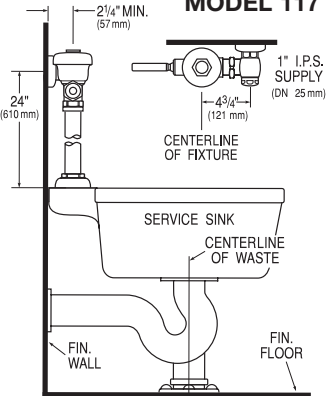
MODEL 110/111



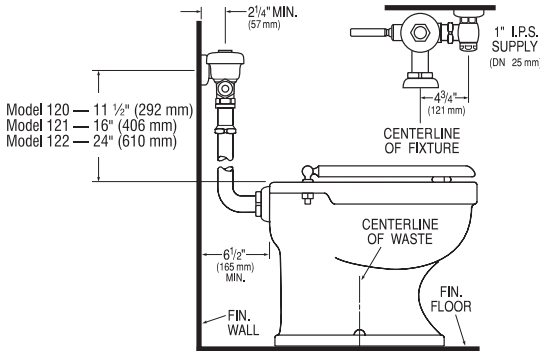
MODELS 113, 114, 115 & 116



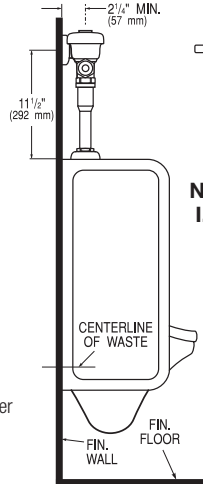
MODEL 117



MODELS 120, 121, & 122

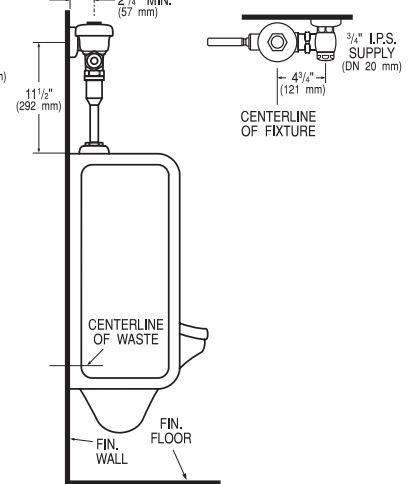


MODEL 180



NOTE: Requires 1" I.P.S. (DN 25 mm) Supply.

MODEL 186



IMPORTANT NOTES:

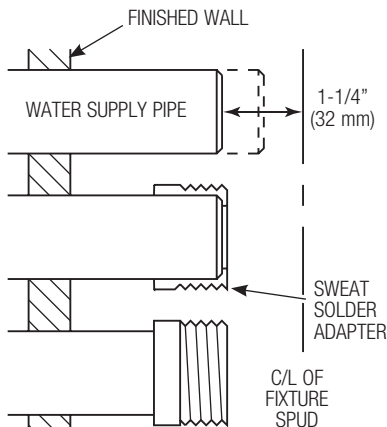
- When mounted on an ADA accessible bowl, the rough-in to the supply inlet should be no higher than 37 1/2" or the handle will exceed maximum height allowances under ADA guidelines.
- New ADAAG Guidelines allow for Split or Offset Grab Bars, check with local authorities or reference section 604.5.2 of ADAAG.

1 - INSTALL OPTIONAL SWEAT SOLDER ADAPTER (ONLY IF YOUR SUPPLY PIPE DOES NOT HAVE A MALE THREAD)

A Measure from finished wall to C/L of fixture spud. Cut pipe 1" (32 mm) shorter than this measurement. Chamfer O.D. and I.D. of water supply pipe.

B Slide threaded adapter fully onto pipe.

C Sweat solder the adapter to pipe.

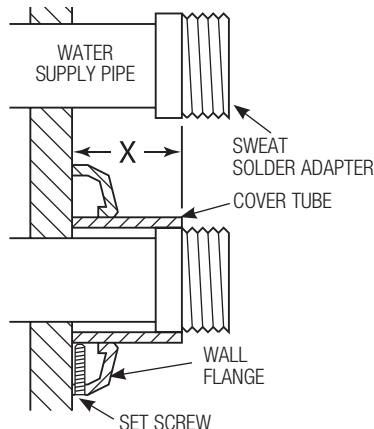


!!! IMPORTANT !!!
WITH THE EXCEPTION OF CONTROL STOP INLET, DO NOT USE PIPE SEALANT OR PLUMBING GREASE ON ANY VALVE COMPONENT OR COUPLING!

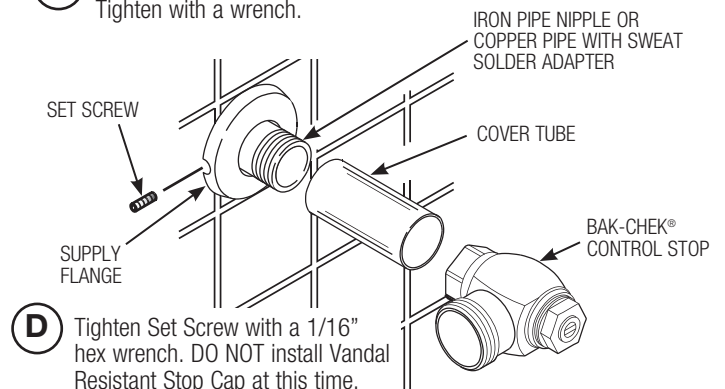
2 - INSTALL COVER TUBE, WALL FLANGE AND CONTROL STOP TO SUPPLY PIPE

A Measure from finished wall to first thread of adapter or threaded supply pipe (dimension "X"). Cut cover tube to this length.

B Slide cover tube over pipe. Slide wall flange over cover tube until against wall.



C Thread control stop onto pipe. Tighten with a wrench.

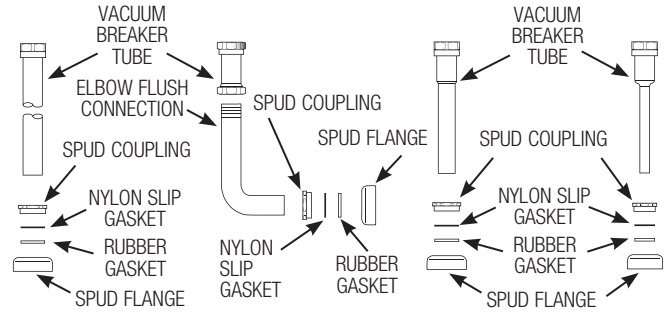


D Tighten Set Screw with a 1/16" hex wrench. DO NOT install Vandal Resistant Stop Cap at this time.

3 - INSTALL VACUUM BREAKER FLUSH CONNECTION

MODELS 110/111, 113, 114, 115, 116, 117 MODELS 120, 121, 122 MODEL 180 MODEL 186

- A** Slide spud coupling, nylon slip gasket, rubber gasket and spud flange over vacuum breaker tube.
- B** Insert tube into fixture spud.
- C** Hand tighten spud coupling onto fixture spud.



4 - INSTALL FLUSHOMETER

NOTE

For high efficiency urinal flushometers (0.5, 0.25 and 0.125 gpf), it is necessary to first insert the flow control component into the tailpiece assembly. See the H1015A flow control kit and separate instructions for details on how to install.

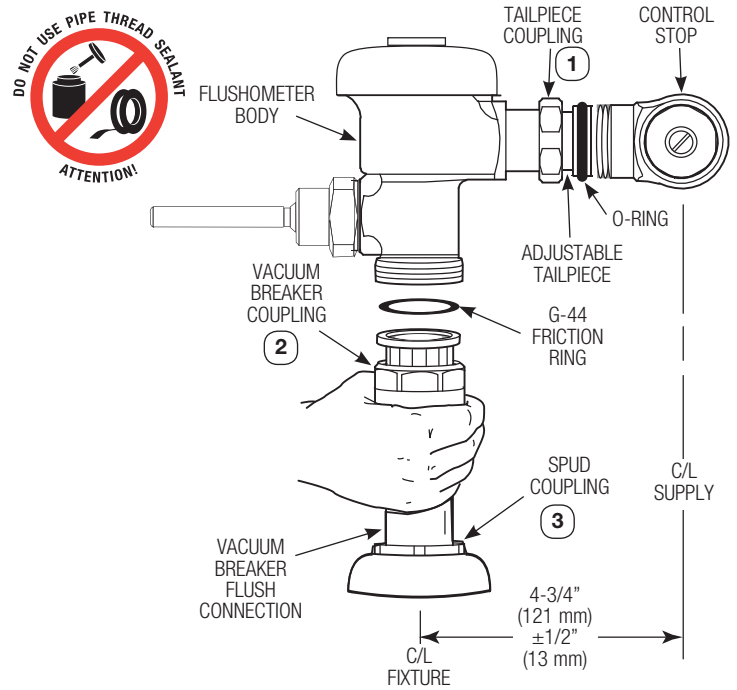
- A** Lubricate tailpiece o-ring with water. Insert adjustable tailpiece into control stop. Tighten tailpiece coupling by hand.
- B** Align flushometer directly above the vacuum breaker flush connection by sliding the flushometer Body IN or OUT as needed. Tighten vacuum breaker coupling by hand.

NOTE

Maximum adjustment of the Sloan Adjustable Tailpiece is 1/2" (13 mm) IN or OUT from the standard 4-3/4" (121 mm) (centerline of Flushometer to centerline of Control Stop).

If roughing-in measurement exceeds 5-1/4" (133 mm), consult factory for longer tailpiece.

- C** Align flushometer body and securely tighten first the tailpiece coupling (1), then the vacuum breaker coupling (2), and finally the spud coupling (3). Use a wrench to tighten these couplings in the order shown.



5 - FLUSH OUT SUPPLY LINE

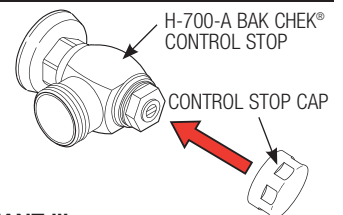
- A** Make sure control stop is CLOSED and remove flushometer outer cover.
- B** Remove inside cover and lift out inside parts assembly.

- C** Reinstall outside and inside cover wrench tight. Open control stop to flush supply line. Close control stop and remove outside and inside cover.
- D** Reinstall inside parts assembly, inside cover and outside cover wrench tight.

6 - ADJUST CONTROL STOP AND INSTALL VANDAL RESISTANT STOP CAP

- A** Open control stop COUNTERCLOCKWISE one FULL turn from closed position.
- B** Activate flushometer.

- C** Adjust control stop after each flush until the rate of flow delivered properly cleanses the fixture.
- D** Install vandal resistant control stop cap onto control stop.



!!! IMPORTANT !!!

Sloan's flushometers are engineered for quiet operation. Excessive water flow creates noise, while too little water flow may not satisfy the needs of the fixture. Proper adjustment is made when plumbing fixture is cleansed after each flush without splashing water out from the lip AND a quiet flushing cycle is achieved.

TROUBLESHOOTING

1. Valve does not function (no flush).

- A. Control stop or main valve is closed. Open control stop or main valve.
- B. Handle assembly is worn or damaged. Install handle repair kit or replace handle assembly.
- C. Relief valve is worn or damaged. Replace inside parts kit.

2. Volume of water is not sufficient to siphon fixture.

- A. Control stop is not open wide enough. Adjust control stop for desired delivery of water volume.
- B. Urinal flushometer parts inside a closet flushometer. Replace inside urinal Parts with proper closet flushometer parts.
- C. Low consumption flushometer installed on a higher consumption fixture. Replace inside parts kit with water saver kit.
- D. Water saver kit installed in old non-water saver bowl. Position refill head so that SIDE 1 is in the UP position.
- E. Water supply volume or pressure is inadequate. If no gauges are available to properly measure supply pressure or volume of water at the flushometer, then remove the relief valve from the inside parts kit, reassemble the flushometer and completely open the control stop.
 - If the fixture siphons, more water volume is required. If a 3.5 gpf inside parts kit is installed in the flushometer, then first flip the refill head (under the diaphragm) to obtain a 4.5 gpf volume. If this volume is still inadequate, remove the flow ring from the guide to obtain a 6.5 gpf kit. If additional flow is required, try a low pressure guide kit. **IMPORTANT – LAWS AND REGULATIONS PROHIBIT THE USE OF HIGHER FLUSHING VOLUMES THAN LISTED ON FIXTURE OR FLUSHOMETER.**
 - If the fixture does not siphon or if a low consumption fixture is installed, or if the above steps do not prove satisfactory, steps must be taken to increase the water supply pressure and/or volume. Contact the fixture manufacturer for minimum water supply requirements of the fixture.

3. Flushometer closes off immediately.

- A. Ruptured or damaged diaphragm. Replace inside parts kit.
- B. Enlarged by-pass orifice from corrosion or damage. Replace inside parts kit.

4. Length of flush is too short (short flush).

- A. Diaphragm assembly and guide assembly are not hand-tight. Screw the two assemblies hand-tight.
- B. Enlarged by-pass orifice from corrosion or damage. Replace inside parts kit.

- C. Urinal flushometer parts inside a closet flushometer. Replace inside urinal parts with proper closet flushometer parts.
- D. Low consumption flushometer installed on a higher consumption fixture. Replace inside parts kit with water saver kit.
- E. Handle assembly is damaged. Replace Handle

5. Length of flush is too long (long flush) or continuous.

- A. Relief valve is not seating properly or by-pass orifice is clogged because of foreign material, or by-pass orifice is closed by an invisible gelatinous film from "over-treated" water. Disassemble the working parts and wash thoroughly. **NOTE: Size of the orifice in the by-pass is of utmost importance for the proper metering of water into the upper chamber of the flushometer. Do not enlarge or damage this orifice.** Replace inside kit if cleaning does not correct problem.
- B. Supply line water pressure has dropped and is not sufficient to close the valve. Close control stop until pressure is restored.
- C. Closet flushometer parts inside a urinal flushometer. Replace inside closet parts with proper urinal flushometer parts.
- D. Inside cover is damaged. Replace inside cover.

6. Chattering noise is heard during flush.

- A. The segment diaphragm is installed upside-down. Replace the segment diaphragm to the proper position as instructed by markings on the diaphragm.
- A. Inside cover is damaged. Replace inside cover.

7. Handle Leaks.

- A. Handle gasket, seal or assembly is damaged. Replace as required.

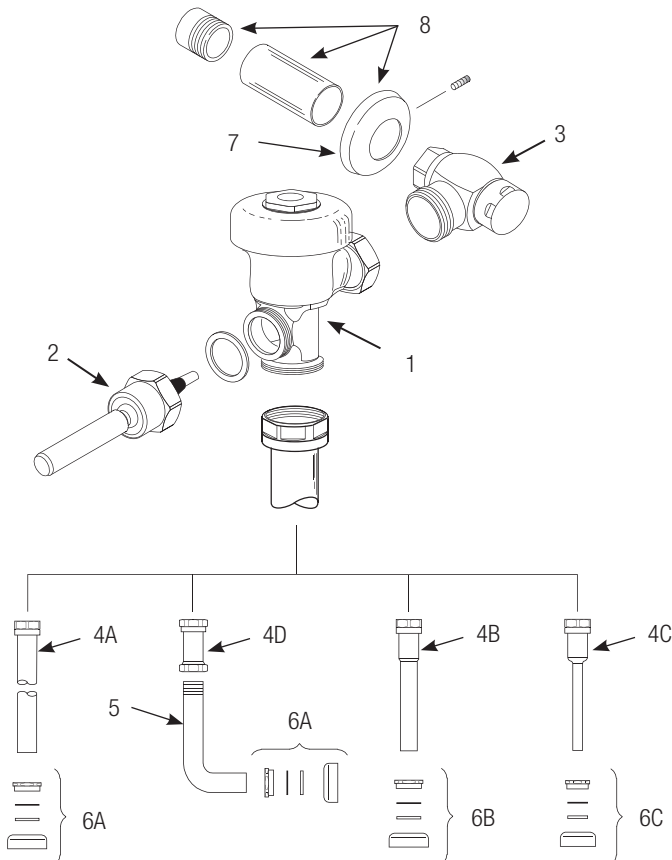
**If assistance is required, please contact
Sloan Technical Support at:
1-888-SLOAN-14 (1-888-756-2614)**

CARE AND CLEANING

DO NOT use abrasive or chemical cleaners (including chlorine bleach) to clean flushometers that may dull the luster and attack the chrome or special decorative finishes. Use ONLY mild soap and water, then wipe dry with clean cloth or towel.

While cleaning the bathroom tile, protect the flushometer from any splattering of cleaner. Acids and cleaning fluids will discolor or remove chrome plating.

PARTS LIST



Item No.	Part No.	Description
1	†	Valve Assembly
2	B-73-A	ADA Compliant Handle Assembly
3	H-710-A	Bak-Chek® Control Stop
4A	V-500-AA	1½" (38 mm) x 9" (229 mm) Vacuum Breaker Assembly ‡
4B	V-500-AA	1¼" (32 mm) x 9" (229 mm) Vacuum Breaker Assembly
4C	V-500-AA	¾" (19 mm) x 9" (229 mm) Vacuum Breaker Assembly
4D	V-500-A	Vacuum Breaker Assembly
5	F-109	1½" (38 mm) Elbow Flush Connection
6A	F-56-A	1½" (38 mm) Spud Coupling Assembly
6B	F-57-A	1¼" (32 mm) Spud Coupling Assembly
6C	F-58-A	¾" (19 mm) Spud Coupling Assembly
7	F-7	Supply Flange (Supplied when Valve is not Ordered with Sweat Solder Kit)
8	H-633-AA	1" (25 mm) Sweat Solder Kit with Cast Set Screw Flange
	H-636-AA	¾" (19 mm) Sweat Solder Kit with Cast Set Screw Flange

† Part number varies with valve model variation; consult factory.
‡ Length varies with valve model variation; consult factory.

For optimum water conservation and flushometer performance, use only Genuine Sloan Parts.

NOTE: The information contained in this document is subject to change without notice.

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