



# Installation and Maintenance Instructions

## Limited One Year Warranty

T&S warrants to the original purchaser (other than for purposes of resale) that such product is free from defects in material and workmanship for a period of one (1) year from the date of purchase. During this one-year warranty period, if the product is found to be defective, T&S shall, at its options, repair and/or replace it. To obtain warranty service, products must be returned to...

*T&S Brass and Bronze Works, Inc.  
Attn: Warranty Repair Department  
2 Saddleback Cove  
Travelers Rest, SC 29690*

Shipping, freight, insurance, and other transportation charges of the product to T&S and the return of repaired or replaced product to the purchaser are the responsibility of the purchaser. Repair and/or replacement shall be made within a reasonable time after receipt by T&S of the returned product. This warranty does not cover items which have received secondary finishing or have been altered or modified after purchase, or for defects caused by physical abuse to or misuse of the product, or shipment of the products.

Any express warranty not provided herein, and any remedy for Breach of Contract which might arise, is hereby excluded and disclaimed. Any implied warranties of merchantability or fitness for a particular purpose are limited to one year in duration. Under no circumstances shall T&S be liable for loss of use or any special consequential costs, expenses or damages.

Some states do not allow limitations on how long and implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Specific rights under this warranty and other rights vary from state to state.



## BASE FAUCET B-0230, B-0231, B-0232 and B-0330

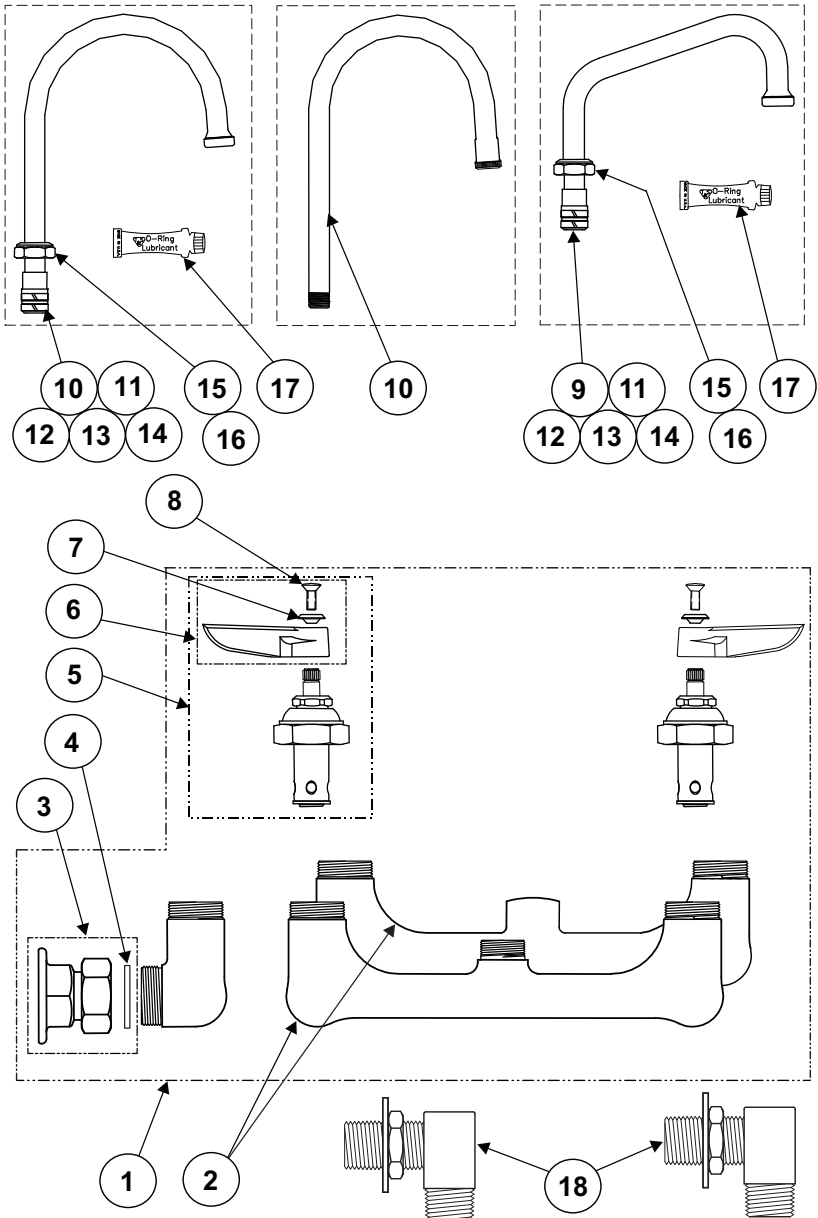
**Deutsch: Installations- und  
Wartungsanleitungen**

**Español: la Instalación y las  
Instrucciones de  
Mantenimiento**

**Français: les Instructions  
d'Installation et  
d'Entretien**

P/N: 098-003118-45 Rev.4  
Date: 07-28-11  
Drawn: TEH  
Checked: JRM 08-25-11  
Approved: JHB 08-25-11

# Exploded View



# Part Number Guide

## ***Base Faucet Assemblies***

1	Asm, Faucet (Swivel)	B-0230-LN
	Asm, Faucet (Rigid)	B-0330-LN
2	Faucet Body (Swivel)	N/A
	Faucet Body (Rigid)	N/A
3	Asm, Coupling Flange	00AA
4	Washer	001019-45
5	Asm, Cartridge	
	Left Hand with Spring Checks	002711-40
	Right Hand with Spring Checks	002712-40
	Left Hand without Spring Checks	002713-40
	Right Hand without Spring Checks	002714-40
6	Handle, Lever - Hot w/ Index & Screw	001637-45
	Handle, Lever - Cold w/ Index & Screw	001636-45
7	Index, Button	
	Hot (Red)	001661-45
	Cold (Blue)	001660-45
8	Screw, Handle	000922-45
18	* Optional Supply Connector Kit	B-0230-K

\* Order separately

## ***Nozzle Assemblies***

9	Asm, Nozzle Swing	
	Nozzle, 6"	059X
	Nozzle, 12"	062X
	Nozzle, 18"	065X
10	Asm, Gooseneck Nozzle (Rigid)	120X
	Asm, Gooseneck Nozzle (Swivel)	133X
11	Swivel Piece	N/A
12	Washer, Swivel Piece	N/A
13	Repair Kit	011643-45
14	Sleeve, Swivel	N/A
15	O-Ring	N/A
16	Nut, Swivel	N/A
17	Grease Tube	010573-45

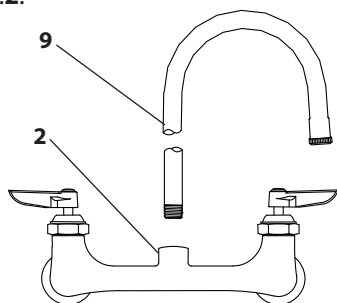
# General Instructions

## Nozzle Installation:

**Note:** Nozzles should be installed first.

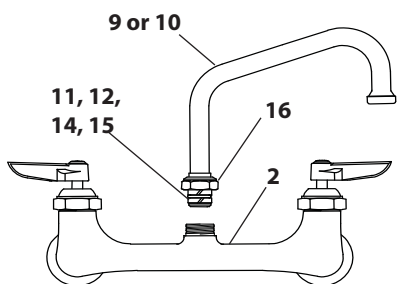
### If installing Rigid Gooseneck

1. Apply teflon tape or pipe joint compound to threaded end of no.9.
2. Tighten no.9 firmly by hand into no.2.



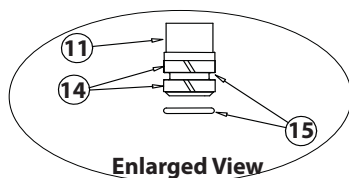
### If installing Swivel Nozzle:

3. Insert no.9 or no.10 into no.2 and rotate to front of sink.
4. Tighten no.16 firmly with a wrench.



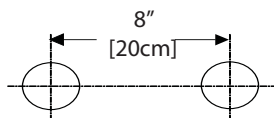
### For swivel repair or replacement of (o-ring) no.15 and (sleeves) no.14:

5. Insert one no.14 onto no.11. Install no.15 on no.11 and lubricate liberally with provided no.17. Install second no.14 onto no.11. (See Enlarged View)

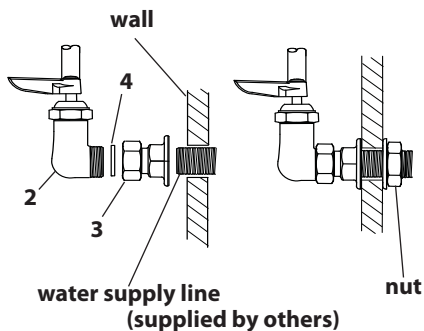


## Faucet Installation:

6. Shut off water supply and drain lines. Drill (2) two holes, approximately 1-1/4" [3 cm] diameter in wall with 8" [20 cm] centers, where you are installing no.1.



7. Apply teflon tape or pipe joint compound to water supply lines.
8. Connect no.2 to water supply lines by attaching no.3 with **eccentric centers** onto nipple **supplied by others** and tighten no.3 against wall. **Make sure no.4 is in place. Nut behind wall to be supplied by others.** Trim supply lines if necessary.



9. Turn on water supply and check for leaks.

# Instrucciones Generales

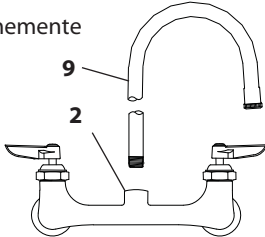
## Instalación de la boquilla:

**Nota:** Las boquillas deben de ser instaladas primero.

## Instalación de la boquilla rígida de cuello de cisne

1. Aplique al extremo con rosca de la parte No.9 cinta para rosca de tubería o compuesto de coyuntura.

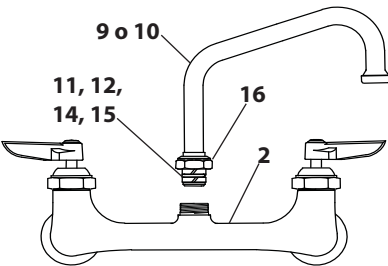
2. Apriete firmemente a mano la parte No.9 entre la parte No.2.



## Si esta instalando boquilla oscilar

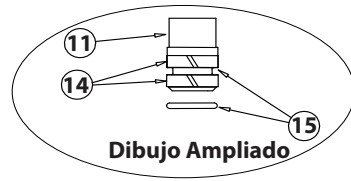
3. Inserte la parte No.9 ó No.10 dentro de la parte No.2 y gire hacia el frente del lavatorio.

4. Con una llave apriete firmemente la parte No.16.



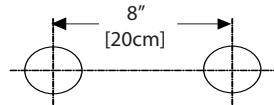
**Para el reparo del eje giratorio o reemplazo de (argolla de goma) partes No.15 y (manga) No.14.**

5. Inserte la parte No.14 en la parte No.11. Instale la parte No.15 en la parte No.11 y lubrique liberalmente con la parte No.17 surtida. Instale la segunda parte No.14 en la parte No.11. (Vea el dibujo ampliado)



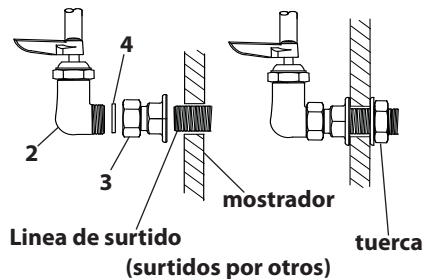
## Instalación de la canilla:

6. Cierre la fuente principal de agua y desagüe las tuberías. Perfore (2) dos huecos aproximadamente de 3 cm de diámetro en la pared, con centros de 20 cm, donde la parte No.1 será instalada.



7. Aplique cintas para rosca de tubería o compuesto de coyuntura a las líneas del surtido de agua.

8. Conecte la parte No.2 a las líneas del surtido de agua juntando la parte No.3 (con los lados excéntricos) en los tubos (surtidos por otros) y apriete la parte No.3 contra el pared. **Asegúrese que la parte No.4 este situada.** (La tuerca en el otro lado de la pared esta surtida por otros). Si es necesario corte las líneas de surtido.



9. Abra la fuente de agua e inspeccione por filtraciones.

# Instructions Générales

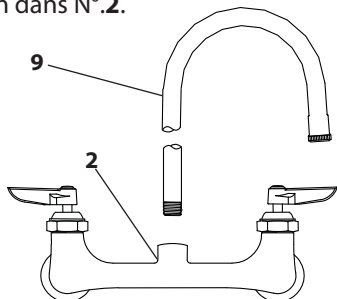
## L'Installation De L'Ajutage:

**Noter: Les ajutage doivent être installés au début.**

### Si vous installer l'ajutage col-de-cygne

1. Appliquer le ruban en Téflon ou le composé pour les tuyaux à l'extrémité de N°.9.

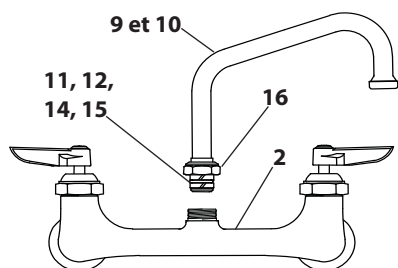
2. Resserrer N°.9 fermement par le main dans N°.2.



### Si vous installer l'ajutage pivotant

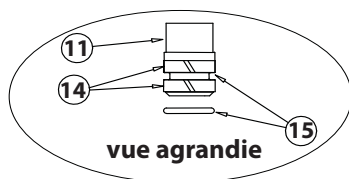
3. Insérer N°.9 ou N°.10 dans N°.2 et le tourner jusqu'à la face de l'évier.

4. Resserrer N°.11 fermement avec une clef.



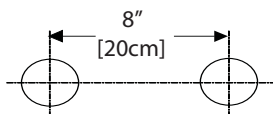
**Pour la réparation de l'ajutage pivotant ou le remplacement de (l'anneau) N°.15 et (les manches) N°.14.**

5. Insérer un N°.14 sur N°.11. Installer N°. 15 sur N°. 11 et lubrifier libéralement avec le N°.17 fourni. Installer l'autre N°.14 sur N°.11. (Voir la vue agrandie).



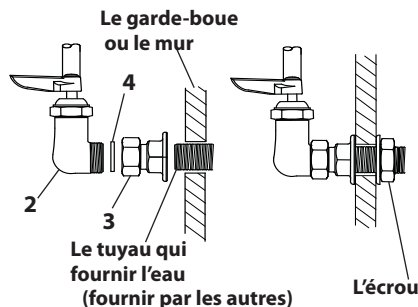
## L'Installation Du Robinet:

6. Fermer la réserve de l'eau et égoutter la tuyauterie. Percer deux trous, avec un diamètre environs 3 cm dans le mur avec les centres de 20 cm où vous installer N°.1.



7. Appliquer le ruban en Téflon ou le composé pour les joints des tuyaux les tuyaux qui fournir l'eau.

8. Brancher N°.2 aux tuyaux qui fournir l'eau en vissant N°.3 avec les **centres excentriques** sur le raccord (fournir par les autres) et resserrer N°.3 contre le mur. **Soyez certain que N°.4 être à sa place. L'écrou en arrière le mur, fournir par les autres.** Couper un peu les tuyaux qui fournir l'eau si nécessaire.



9. Recommencer l'eau et vérifier s'il y a des fuites.

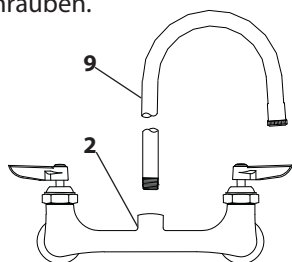
# Allgemeine Anleitungen

## Installation des Schwenkarms:

**Hinweis:** Schwenkarme sind als erstes zu installieren.

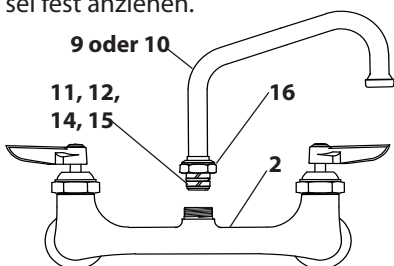
### Falls der feststehende Gußauslauf installiert wird

1. Auf das Gewindeteil von Nr. 9 Teflonband oder Rohrkitt auftragen.
2. Nr. 9 fest mit der Hand in Nr. 2 einschrauben.



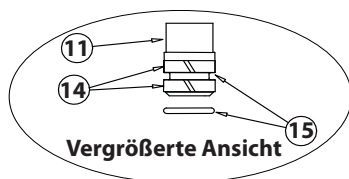
### Falls Schwenkarm installiert wird

3. Nr. 9 oder Nr. 10 in Nr. 2 einfügen und auf dem Spültisch nach vorne drehen.
4. Nr. 16 mit einem Schraubenschlüssel fest anziehen.



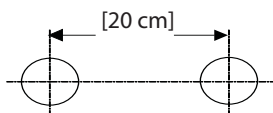
### Zum Reparieren des Schwenkarms oder Ersetzen von Nr. 15 (O-Ring) und Nr. 14 (Muffen):

5. Eine Nr. 14 auf Nr. 11 aufschieben. Nr. 15 auf Nr. 11 installieren und mit mitgelieferter Nr. 17 gut schmieren. Die zweite Nr. 14 auf Nr. 11 installieren. (Siehe vergrößerte Ansicht)



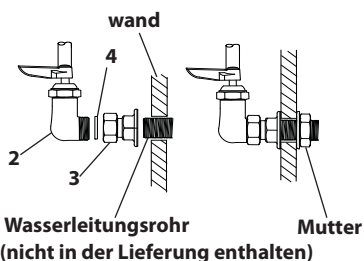
## Installation des Wasserhahns:

6. Wasser abdrehen und Wasserleitungen entleeren. Zwei Löcher mit einem Durchmesser von 3 cm und einem Abstand von 20 cm in die Deckplatte bohren, in die Nr. 2 installiert wird.



7. Teflonband oder Rohrkitt auf Wasserleitungsrohre auftragen.

8. Nr. 2 an Wasserleitung anschließen, indem Nr. 3 mit versetzer **Mitte** auf den Nippel. (**nicht in der Lieferung enthalten**) aufgeschraubt und gegen die Deckplatte festgezogen wird. (**Mutter auf der gegenüberliegenden Deckplatte nicht in der Lieferung enthalten.**) Falls erforderlich, Wasserleitungen entsprechend kürzen.



9. Wasser andrehen und auf Dichtigkeit prüfen.

## RELATED T&S BRASS PRODUCT LINE



**B-0352-04**  
Surgical Sink Faucet with  
Built-in Stops



**B-0355-04**  
Surgical Sink Faucet  
with Adjustable Inlet and  
Loose Key Stops

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## T&S BRASS AND BRONZE WORKS, INC.

A firm commitment to application-engineered plumbing products

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Travelers Rest, SC 29690  
Phone: (864) 834-4102  
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T & S Brass-Europe  
'De Veenhoeve'  
Oude Nieuwveenseweg 84  
2441 CW Nieuwveen  
The Netherlands



RELIABILITY BUILT IN™





#### Limited One Year Warranty

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P/N: 098-009549-45 Rev.6  
Date: 01-08-08  
Drawn: TEH  
Checked: GEF 01-08-08  
Approved: JHB 01-08-08

# Installation and Maintenance Instructions



## ATMOSPHERIC VACUUM BREAKERS

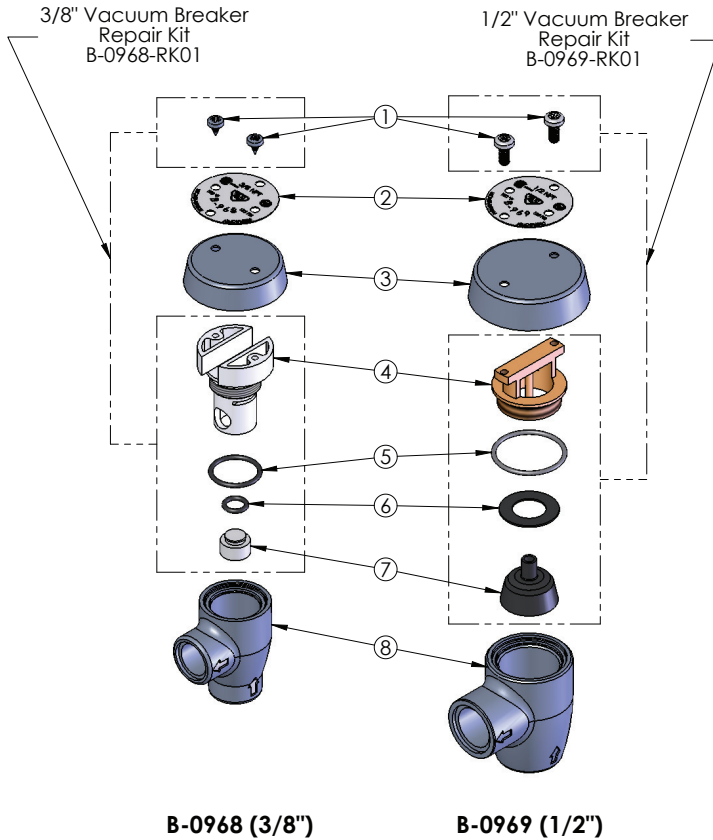
**B-0968 & B-0968-RK01 (3/8")**  
**B-0969 & B-0969-RK01 (1/2")**

**Deutsch: Installations- und  
Wartungsanleitungen**

**Español: la Instalación y las In-  
strucciones de Man-  
tenimiento**

**Français: les Instructions  
d'Installation et  
d'Entretien**

# Exploded View



\* Some items are listed for instructional purposes and may not be sold as separate parts.

# Part Number Guide

## ***B-0968 Vacuum Breaker Assemblies & Kit***

1	(*) Screws	*
2	Nameplate	*
3	Coverplate	*
4	(*) Insert	*
5	(*) Large O-Ring	*
6	(*) Small O-Ring	*
7	(*) Piston	*
8	Body, Vacuum Breaker 3/8"	*

(\*) Indicates those items that are included in the **B-0968-RK01** Vacuum Breaker Repair Kit

## ***B-0969 Vacuum Breaker Assemblies & Kit***

1	(*) Screws	*
2	Nameplate	*
3	Coverplate	*
4	(*) Insert	*
5	(*) O-Ring	*
6	(*) Sealing Disk	*
7	(*) Piston	*
8	Body, Vacuum Breaker 1/2"	*

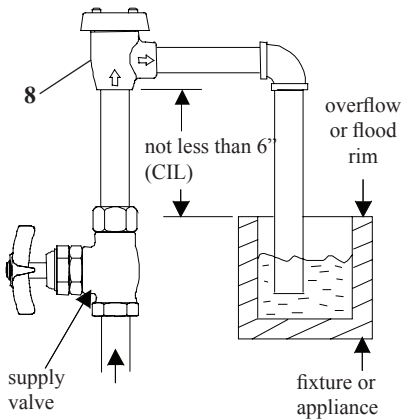
(\*) Indicates those items that are included in the **B-0969-RK01** Vacuum Breaker Repair Kit

# General Instructions

## Typical Installation:

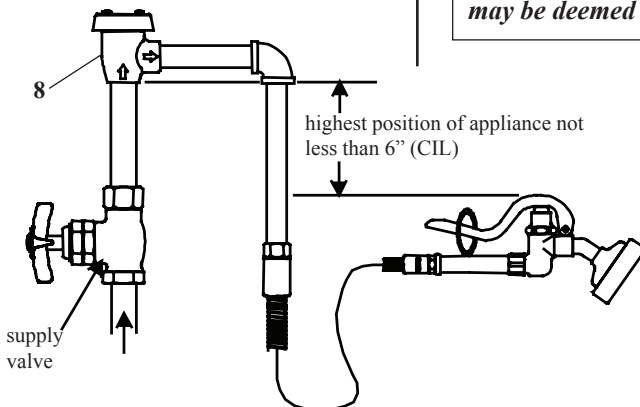
### Single Vacuum Breaker

1. Vacuum breaker must be installed with the supply connected to the bottom and the outlet connected to the appliance, as shown below:



2. The bottom of the no.8 should be at least 6" above the flood rim of the fixture or appliance.

3. When using a portable appliance, no.8 should be installed at least 6" above the highest point to which the outlet can be raised, as shown:



*Note: Where the device is a separate unit, in the absence of a Critical Installation Level (CIL) mark, the extreme bottom of the no.8 casting should be used to determine its installed position. Where the device is incorporated in an outlet tube furnished by the manufacturer, the extreme bottom of the internal unit should be noted on the outside of the tube by a CIL line, for use in determining its installed position.*

4. The water supply valve must be installed on the supply side (ahead) of the vacuum breaker, and no shut-off valve should be installed on the outlet side (downstream).

5. The vacuum breaker should not be subjected to continuous pressure for more than twelve (12) hours.

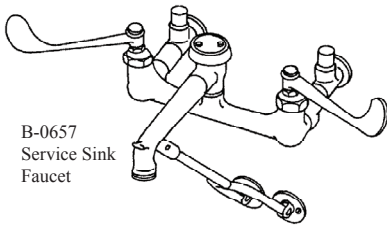
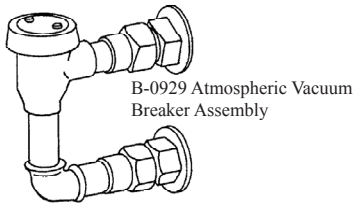
*Note: This device should not be installed in a concealed or inaccessible location, nor where the venting water from the device during its normal functioning may be deemed objectionable.*

# General Instructions

## Typical Installation:

Follow the instructions in the Single Vacuum Breaker section, step 1 thru step 5.

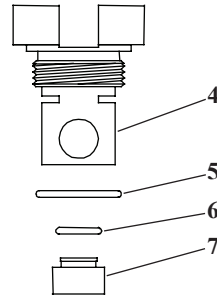
Two typical T&S unit installations will look as follows:



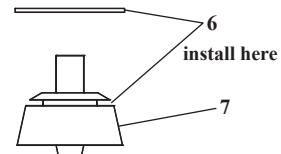
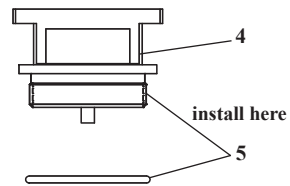
## Repair Kit:

1. For replacement parts, reorder complete unit, or replace internal parts with a Vacuum Breaker repair kit.
2. (See exploded view on sheet 2) Remove the two no.1 from top of no.2, and lift off no.2 and no.3.
3. Unscrew and remove no.4, no.5, no.6 and no.7 from inside no.8.
4. Replace parts with new parts from kit.

**B-0968-RK01 (Kit)**  
3/8" Vacuum Breaker



**B-0969-RK01 (Kit)**  
1/2" Vacuum Breaker



5. Reassemble in reverse order.

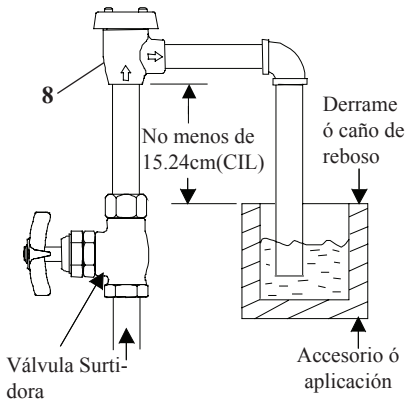
**Note: Make sure surface inside the body is clean, and then tighten no.4 until it is firmly seated against the inside shoulder of no.8.**

# Instruccione Generales

## Instalación Típica:

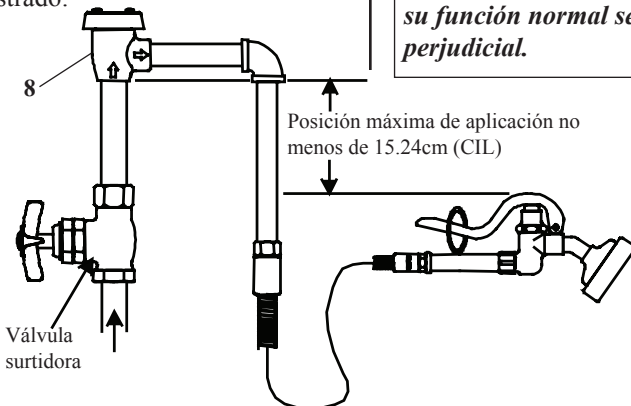
### Anti-sifón singular

1. La válvula anti-sifón tiene que ser instalada, con la fuente surtidora en la parte posterior y la salida conectada a la aplicación, como se muestra abajo:



2. El lado posterior de la parte No.8 debe ser por lo mínimo 15.24cm sobre el caño de reboso del accesorio ó aplicación.

3. Cuando esta utilizando una aplicación portable, No.8 debe ser instalada por lo mínimo 15.24cm sobre el punto más alto en que se pueda levantar la salida, como esta demostrado:



*Nota: Donde el aparato sea una unidad separada, en la ausencia de la marca (CIL) que significa nivel crítico de instalación, el lado extremo posterior de la parte No.8 debe ser utilizado para determinar la posición de instalación. Donde el aparato sea incorporado en un tubo de salida surtido por la factoría, el lado extremo posterior de la unidad interna debe ser señalada en la parte de afuera del tubo por una línea de CIL, para uso en determinar su posición de instalación.*

4. La válvula de surtido tiene que estar instalada en el lado del surtido (adelante) de la válvula anti-sifón y ninguna válvula de detención debe ser instalada en el lado de salida (abajo de la corriente).

5. La válvula anti-sifón no debe ser sometida a presión continua por más de doce (12) horas.

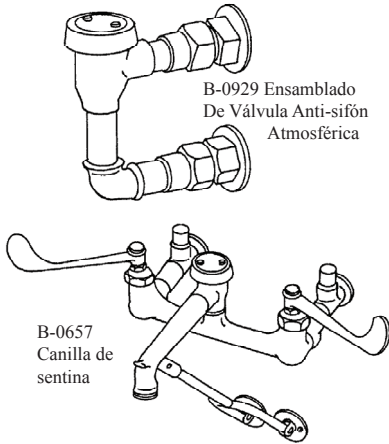
*Nota: Este aparato no debe ser instalado en un sitio escondido o inaccesible, tampoco donde la salida de agua del aparato durante su función normal sea juzgado perjudicial.*

# Instruccione Generales

## Instalación Típica:

Siga las instrucciones en la sección de anti-sifón singular, los pasos del 1 al 5.

Dos instalaciones de unidades típicas de T&S se verán como lo siguiente:



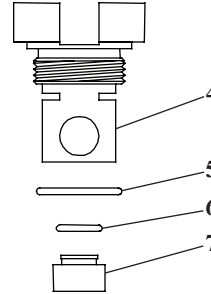
## Instrucciones Para Estuches De Reparación:

1. Para reposito, ordene una unidad completa ó reemplace partes internas con un estuche de reparos anti-sifón.
2. (Mire el dibujo amplificado). Remueva las dos partes, No.1 de la parte de encima de la parte No.2, y alze las partes No.2 y No.3.

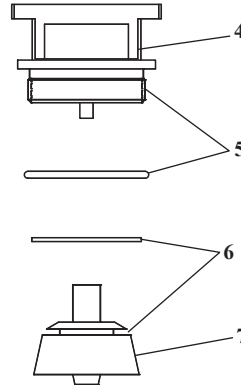
3. Destornille y remueva las partes No.4, No.5, No.6 y No.7 del interior de la parte No.8.

4. Reemplace con partes nuevas del estuche de reparo.

B-0968-RK01 3/8"



B-0969-RK01 1/2"



5. Arme de nuevo en orden reversa.

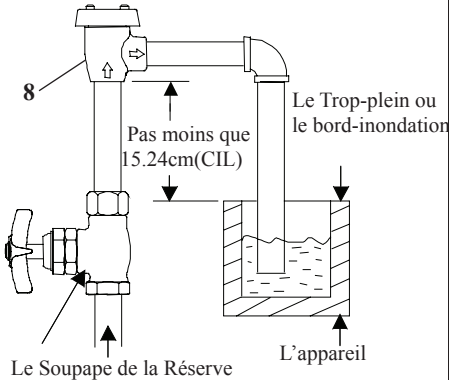
**Nota:** Asegúrese que la superficie dentro del cuerpo esté limpia y aprete la parte No.4 hasta que aciente firmemente contra el sostén interno de la parte No.8.

# Instructions Générales

## L'Installation Typique:

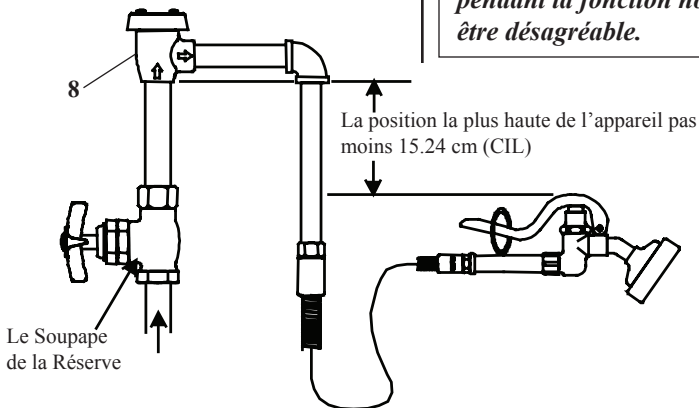
### La Vanne-Caisse-Vide

1. La vanne-caisse-vide devoir être installer avec l'alimentation brancher au fond et la sortie brancher à l'appareil comme indiqué au-dessous:



2. Le fond de N°. 8 devoir être au moins 15.24 cm au-dessus le bord-inondation de l'appareil.

3. Quand on utiliser un appareil portatif, N°. 8 devoir être installer au moins 15.24 cm au-dessus le point le plus haut qu'on pouvoir lever la sortie, comme indiqué.



*Noter: Si le dispositif être un élément séparé, avec l'absence d'une ligne du Niveau de L'Installation Critique (CIL), le fond extrême de la coulée de N°.8 devoir être utiliser pour déterminer sa position installée. Si le dispositif être incorporer dans un tube de sortie fourni par le fabricant, le fond extrême de l'élément interne devoir être noter a l'extérieur du tube par une ligne CIL, pour déterminer sa position installée.*

4. Le soupape de la réserve de l'eau devoir être installer au côté d'alimentation (juste devant de) la vanne-caisse-vide, et aucun soupape de sureté devoir être installer au côté de la sortie (en aval).

5. La vanne-caisse-vide ne devoir pas être soumis à la pression continue plus de douze (12) heures.

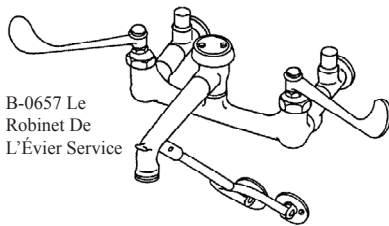
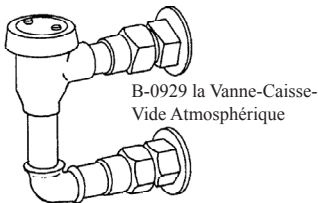
*Noter: Le dispositif ne devoir pas être installer ni dans un emplacement caché ou inaccessible, ni où le déchargement de l'eau du dispositif pendant la fonction normale aller être désagréable.*



# Instructions Générales

## L'Installation Typique:

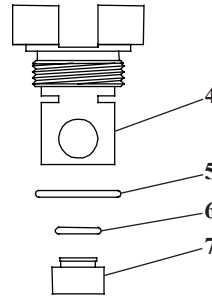
Suivre les instructions dans la section de la vanne-caisse-vide, de l'étape 1 jusqu'à l'étape 5. Deux installations typiques des éléments de T&S aller avoir l'aspect comme indiqué au-dessous:



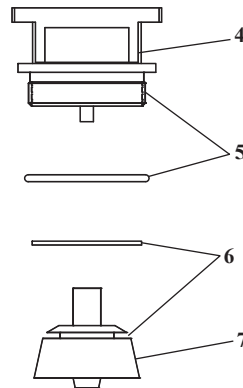
## La Trousse À Outils:

1. Pour des pièces de remplacement, commander à nouveau l'unité complète ou remplacez les pièces internes par le kit de réparation de briseur de vide.
2. (Voir la vue-explosé indiqué au-dessous.) Enlever les deux N°.1 du haut de N°.2, et lever N°.2 et N°.3.
3. Dévisser et enlever N°.4 N°.5, N°.6 et N°.7 de l'intérieur de N°.8.
4. Remplacer les parties avec les parties nouvelles de la trousses.

B-0968-RK01  
(Trousse) 0,96 cm



B-0969-RK01 1/2"



5. Réassembler a l'inverse.

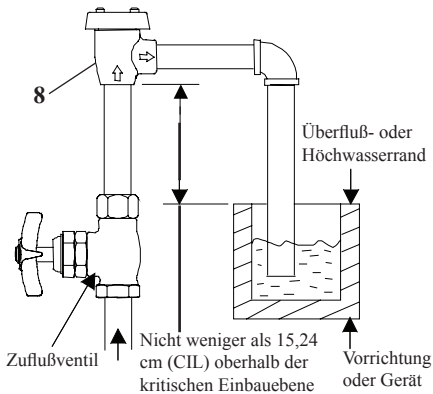
*Noter: Soyez certain que la surface de l'intérieur être propre, et puis resserrer N°.4 jusqu' il est fermement contre l'épaule de l'intérieur de N°.8.*

# Allgemeine Anleitungen

## Normale Installation:

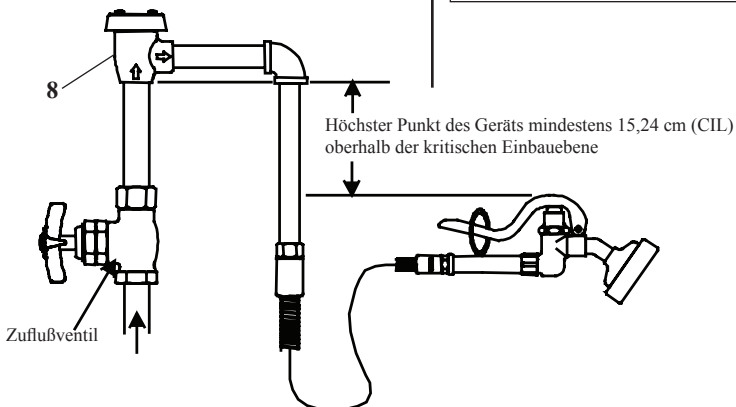
### Einfacher Vakuumschalter

1. Bei der Installation des Vakuumschalters muß die Zuführung wie gezeigt mit dem unteren Ende, und das Ausflußrohr wie gezeigt mit dem Gerät verbunden werden:



2. Das untere Ende von Nr.8 sollte mindestens 15,24 cm über dem Überflußrand der Vorrichtung oder des Geräts liegen.

3. Wenn ein tragbares Gerät verwendet wird, sollte Nr.8 wie gezeigt mindestens 15,24 cm über dem höchsten Punkt, auf den das Ausflußrohr angehoben werden kann, installiert werden.



*Anmerkung: Falls das Gerät eine separate Einheit ist, ist, falls eine kritische Einbauebene fehlt (CIL), nach der Installation der äußerste untere Rand des Gußstückens Nr.8 zur Festlegung seiner Lage zu verwenden. Falls das Gerät Teil eines Ausflußrohrs, das vom Hersteller geliefert wird, ist, ist der äußerste untere Teil der internen Einheit auf der Außenseite des Rohrs durch eine Linie für die kritische Einbauebene zur Bestimmung seiner Lage nach der Installation anzugeben.*

4. Das Wasserzulaufventil muß an der Zulaufseite vor dem Vakuumschalter installiert werden und auf der Ausflußseite (abwärts) sollte kein Absperrventil installiert werden.

5. Der Vakuumschalter darf keinem Dauerdruck von mehr als zwölf (12) Stunden ausgesetzt werden.

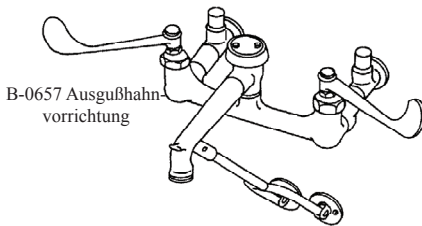
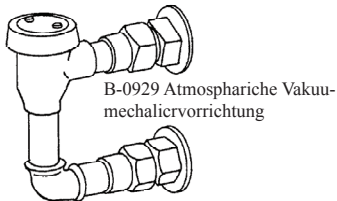
*Anmerkung: Dieses Gerät darf nicht an einer versteckten oder unzugänglichen Stelle oder an einer Stelle, wo das Abfließen von Wasser aus dem Gerät während des normalen Betriebs beanstandet werden könnte, installiert werden.*

# Allgemeine Anleitungen

## Normale Installation:

Die Anleitungen für den einfachen Vakuumschalter, Schritt 1 bis 5, befolgen.

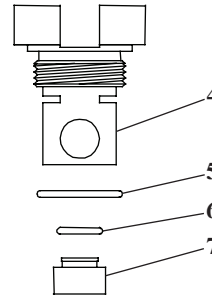
Die Installation von zwei typischen T&S Einheiten sieht wie folgt aus:



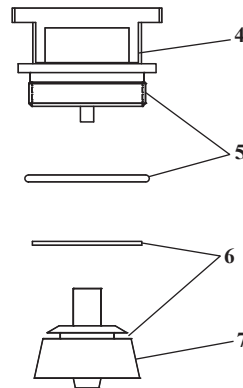
## Instandsetzungssatz:

1. Wenn Ersatzteile benötigt werden, muss die ganze Einheit nachbestellt werden. Alternativ kann auch ein Vakuumschalter Ersatzset bestellt werden, um interne Teile zu ersetzen.
2. (Siehe Darstellung in auseinandergezogener Anordnung oben.) Die beiden Teile Nr.1 von der Oberseite von Nr.2 entfernen und Nr.2 und 3 abheben.
3. Nr.4, 5, 6 und 7 von der Innenseite von Nr.8 losschrauben und entfernen.
4. Teile durch neue Teile des Instandsetzungssatzes ersetzen.

B-0968-RK01 0,96 cm  
(Instandsetzungssatz)



B-0969-RK01 1/2"



5. In umgekehrter Anordnung wieder zusammensetzen.

**Anmerkung:** Sicherstellen, daß die Oberfläche innerhalb des Gehäuses sauber ist, und dann Nr.4 festdrehen, bis der Teil fest gegen die innere Schulter von Nr.8 ansitzt.

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**Assembly**

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