



**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.

P/N: 098-006183-45 Rev.1  
Date: 980805  
Drawn: CW  
Checked: MAB 10-16-98  
Approved: MW 10-15-98

# Installation and Maintenance Instructions



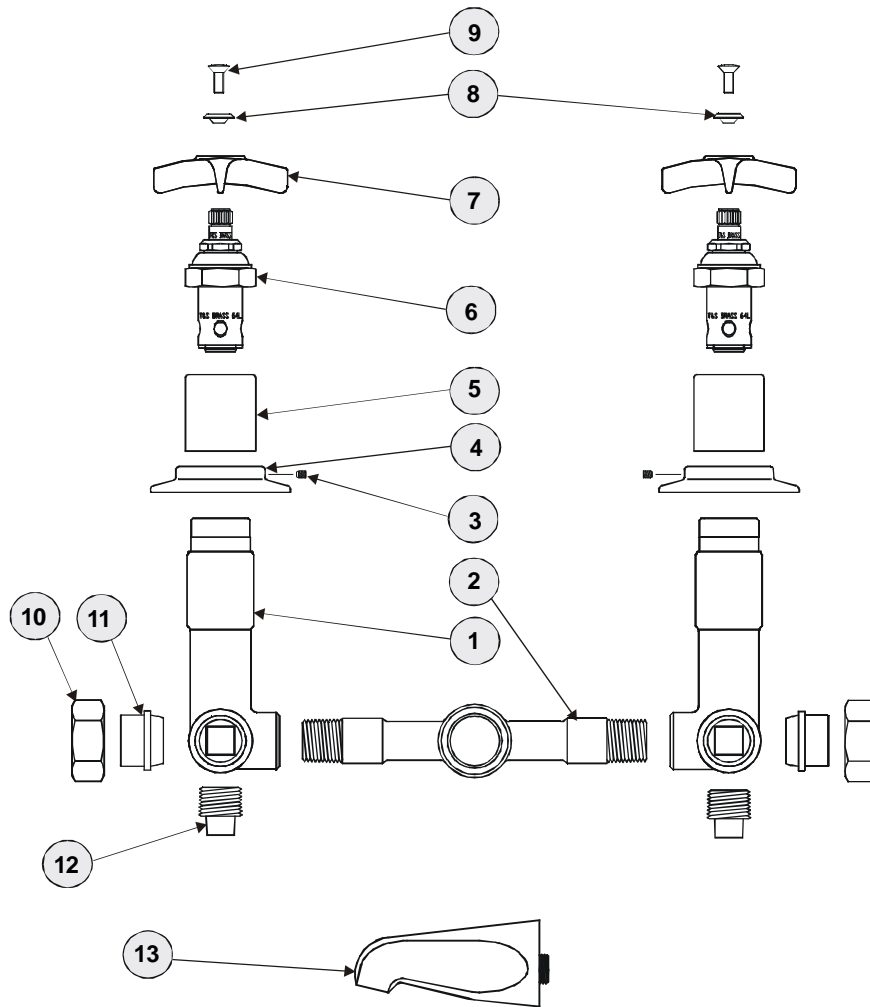
## B-1070 Concealed By-Pass Mixing Valve

**Deutsch: Installations- und  
Wartungsanleitungen**

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

**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

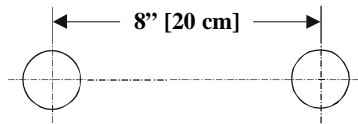
### ***Mixing Valve Assembly***

1	Asm, Concealed By-Pass Mixing Valve	B-1030
	Body, Valve	*
2	Chamber Mix, 8"	*
3	Set Screw, Escutcheon Flange	*
4	Escutcheon	*
5	Escutcheon Tube	*
6	Asm, Spindle Eterna - Hot	005960-40
7	Handle, 4-Arm Kitchen	002521-45
8	Index Button, Blue - Cold	001660-45
	Index Button, Red - Hot	001661-45
9	Screw, Lever Handle	000922-45
10	Nut, Flange Coupling	*
11	Union, 1/2 Female	*
12	Plug, Solid 1/2" Square Head	*
13	Spout, 1/2 NLT Bathtub	*

# General Instructions

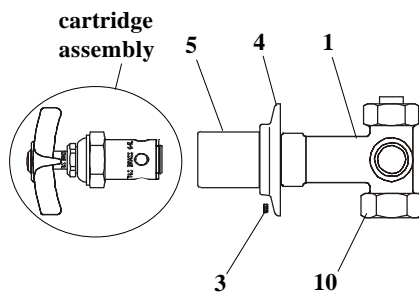
## Installation:

1. Shut off water supply and drain lines. Drill (2) two holes, approximately 1-3/8" [34 cm] diameter in wall with 8" [20 cm] center to center.

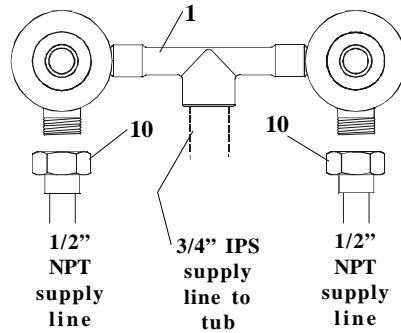


**Note:** The unit is also available with 6" [15 cm] center to center inlets.

2. After unpacking unit, remove **cartridge assembly** from no. 1. (Loosen and remove no. 3 at base of no. 4, slide no. 4 off no. 1.)



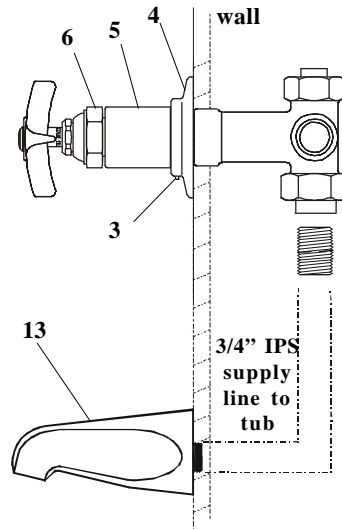
3. Remove no. 10 from no. 1 and attach to roughed-in piping (1/2" Iron Pipe Size female inlets) using Teflon Tape or pipe joint compound.



4. Attach no. 1 onto no. 10 and supply pipes; tighten with a wrench.

5. Replace no. 5, then no. 4 and make sure no. 4 is flush against wall.

6. Replace no. 6, attach no. 7, no. 8 and no. 9.



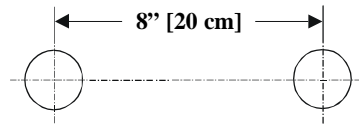
7. Attach no. 13 to outlet pipe using Teflon Tape or pipe joint compound. Make sure no. 13 is flush against wall.

8. Turn on water and check for leaks.

# Instrucciones Generales

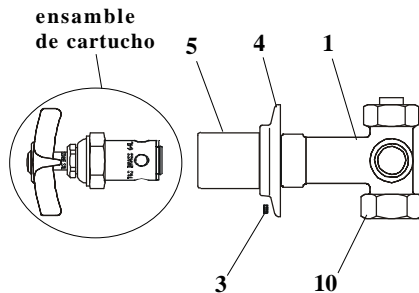
## Instalación:

1. Cierre la fuente de agua y desagüe las tuberías. Perfore (2) dos huecos, aproximadamente de 1-3/8" [34 cm] de diámetro en la pared con distancia de 8" [20 cm] de centro a centro.

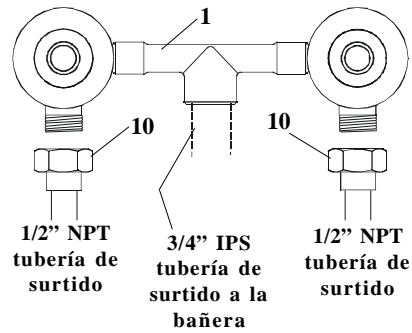


*Nota: Esta unidad también está disponible con entradas de 6" [15 cm] de centro a centro.*

2. Después de desempacar la unidad, remuévala el ensamble de cartucho de la parte No.1. (Afloje y remuévala la parte No.3 a la base de la parte No.4, deslice la parte No.4 de la parte No.1.



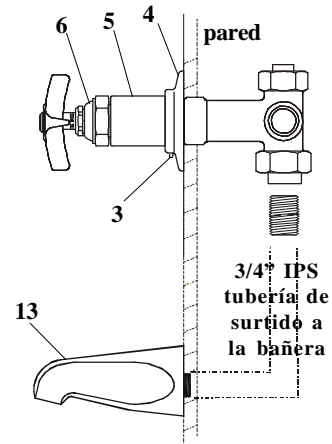
3. Remuévala la parte No.10 de la parte No.1 y júntelo a la tubería aproximada (1/2" Tamaño De Tubería De Hierro entradas femeninas) usando cintas de Teflon ó compuesto de coyuntura.



4. Junte la parte No.1 a la parte No.10 y a la tubería de surtido; aprete con una llave.

5. Coloque de nuevo la parte No.5, luego la parte No.4 y asegúrese que la parte No.4 este a rás con la pared.

6. Coloque de nuevo la parte No.6, junte las partes No.7, No.8 y No.9.



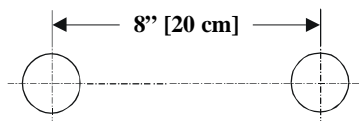
7. Junte la parte No.13 al tubo de desagüe usando cinta de Teflon ó compuesto de coyuntura. Asegúrese que la parte No.13 este a rás con la pared.

8. Abra el agua e inspeccione por filtraciones.

# Instructions Générales

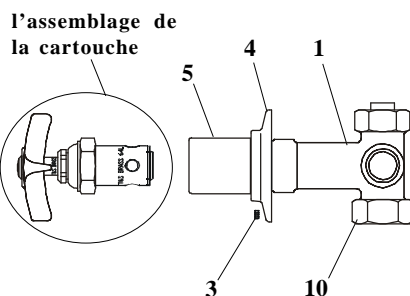
## Installation:

1. Fermer la réserve de l'eau et égoutter la tuyauterie. Percer deux (2) trous avec un diamètre environ 34 cm. avec 20cm. de centre à centre.

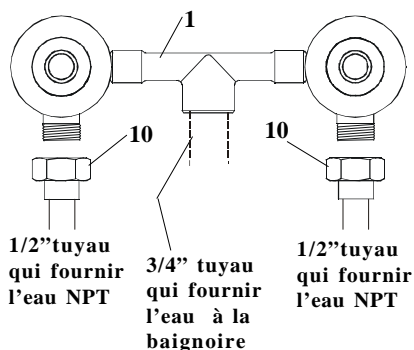


Noter: L'élément être disponible aussi avec les arrivées 15cm. centre à centre.

2. Après vous vider l'élément de la boîte, enlever l'assemblage de la cartouche de N°.1. (Desserrer et enlever N°.3 à la base de N°.4, faire glisser N°.4 de N°.1).



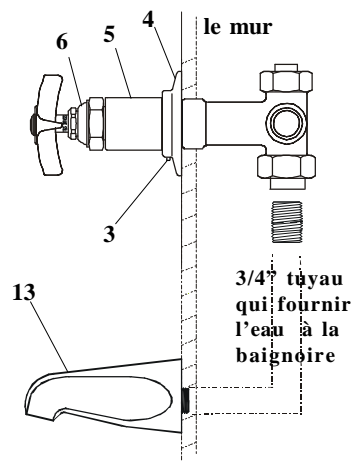
3. Enlever N°.10 de N°.1 et attacher à la tuyauterie (des arrivées féminines des tuyaux en fer 1/2") en utilisant le ruban en Téflon ou le composé pour les tuyaux.



4. Attacher N°. 1 sur N°.10 et les tuyaux qui fournir l'eau, resserrer avec une clef.

5. Remplacer N°.5 puis N°.4 et soyez certain que N°.4 être au même niveau que le mur.

6. Remplacer N°.6, attacher N°.7, N°.8 et N°.9.



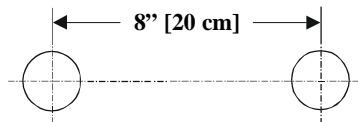
7. Attacher N°.13 à la sortie en utilisant le ruban en Téflon ou le composé pour les tuyaux. Soyez certain que N°.13 être au même niveau que le mur.

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

# Allgemeine Anleitungen

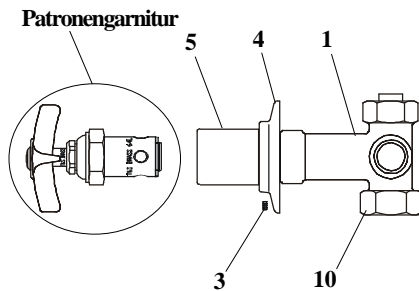
## Installation:

1. Wasserzulauf absperrn und Leitungen entleeren. Zwei ungefähr 3,4 cm große Löcher mit einem Mittenabstand von 20cm in die Wand bohren.

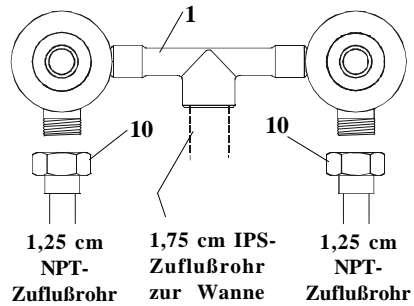


**Anmerkung: Die Einheit ist auch mit einem Mittenabstand der Zuleitungen von 15 cm erhältlich.**

2. Nach Auspacken der Einheit Patronengarnitur Nr. 1 entfernen. (Nr. 3 von Nr. 4 unten lösen und entfernen, Nr. 4 von Nr. 1 herunterschieben).



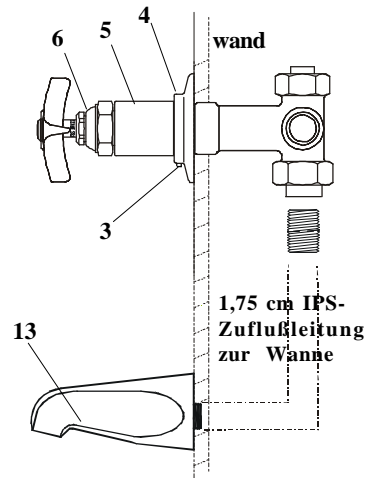
3. Nr. 10 von Nr. 1 entfernen und mit innen aufgerauhtem Rohr (1,25 cm Eisenrohr mit Innengewinde) unter Verwendung von Teflonband oder Rohrdichtungsmasse verbinden.



4. Nr. 1 mit Nr. 10 und den Zuflußrohren verbinden; mit Schraubenschlüssel festziehen.

5. Nr. 5 ersetzen und Nr. 4 ersetzen und dann sicherstellen, daß Nr. 4 glatt an der Wand anliegt.

6. Nr. 6 ersetzen, Nr. 7, Nr. 8 und Nr. 9 befestigen.



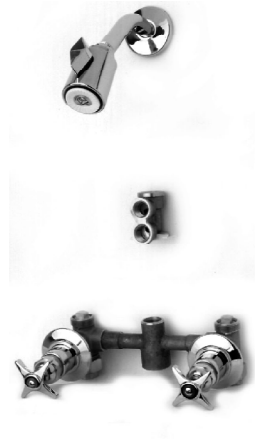
7. Nr. 13 mit dem Ausflußrohr unter Verwendung von Teflonband und Rohrdichtungsmasse verbinden. Sicherstellen, daß Nr. 13 glatt an der Wand anliegt.

8. Wasserzulauf andrehen und auf Dichtigkeit prüfen.

## RELATED T&S BRASS PRODUCT LINE



**B-1030  
Concealed By-  
Pass Mixing  
Valve**



**B-1065  
Combination  
Bath and  
Shower Fitting**



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