

Phylrich

Doralfe

**INSTALLATION INSTRUCTIONS FOR
DECK TUB SETS with HAND SHOWERS
Valves Numbered: 80001249 & 90001249**

FORM #LIT-INS-DTH-704

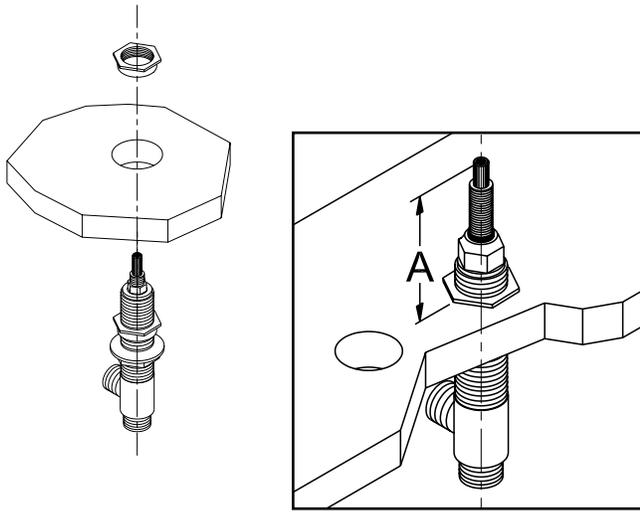
Preparing For The Installation Of The 80001249 or 90001249 Rough Valve

1. All of the valves in this deck tub rough in set are separate. This allows each to be placed for ease of operation and design. Please consult with the home owner or contractor to determine the placement of the valves, hand shower and tub spout.
2. You will be installing a hot & cold valve, a diverter valve, a spout nipple with an adapter for the spout and a nipple for the hand shower.
3. Determine the correct valve rough-in measurement based on the trim product number. Reference the rough-in specification sheet on the back of this pamphlet and find the 'A' measurement. *IF YOU DO NOT KNOW THE TRIM NUMBER INSTALL THE VALVES AT A 2 5/8" ROUGH IN MEASUREMENT. (NOTE: THIS IS THE DISTANCE FROM THE FINISHED DECK TO THE TIP OF THE STEM.)*
4. The hole size for the Hot, Cold & Diverter valve is 1 1/2".
5. The hole for the spout nipple and hand shower bracket nipple is 1 1/4".
6. All lever handle sets are supplied with one hot and one cold valve. All cross handle sets have two hot valves. All valves are marked hot or cold.

SPECIAL NOTE:

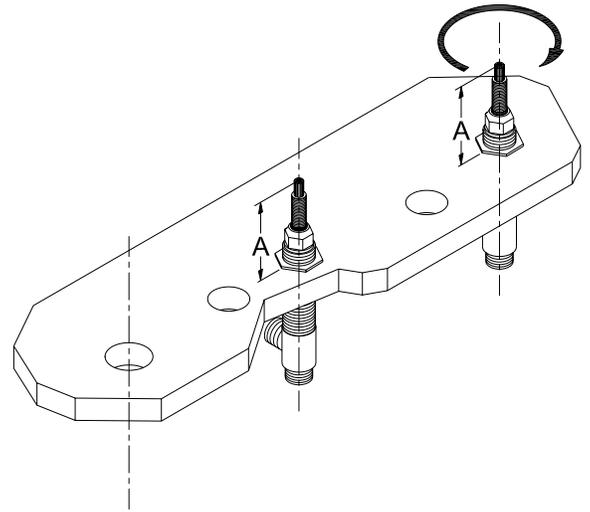
If the trim for this valve is numbered **K2144H1**, please note that the deck tub spout will **NOT** work with the snap on adapter (see Rough-In Step #5). This spout must be threaded on the enclosed nipple.

Rough-In Step #1



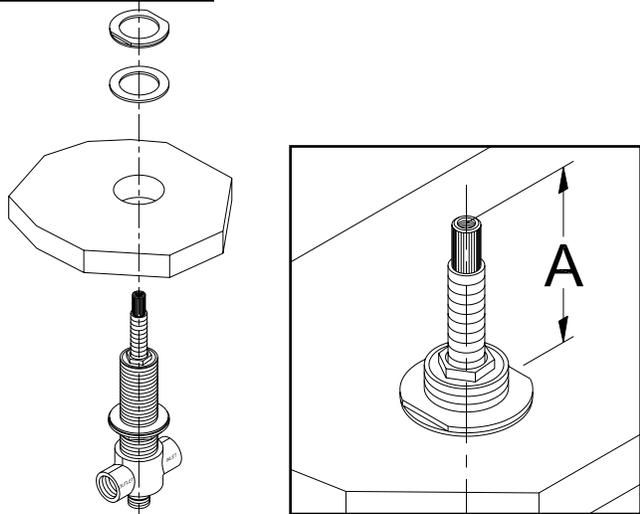
Insert the hot deck valve from below through a 1 1/2" hole and install the top-fastening nut. Set the deck valve to proper rough-in height by adjusting the top mounting nut and secure the valve by tightening the bottom valve nut. The rough in measurement is found by using measurement 'A' on the Rough In Specification sheet on the back of this pamphlet. The trim product number must be known. The stem and nipple may be trimmed to arrive at the correct rough-in measurement. Do the same for the cold valve.

Rough-In Step #2



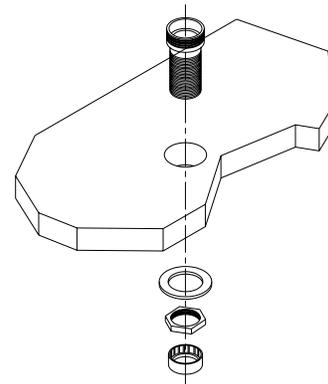
Connect the hot and cold supply piping to the 3/4" NPT at the bottom of the hot and cold valves.

Rough-In Step #3



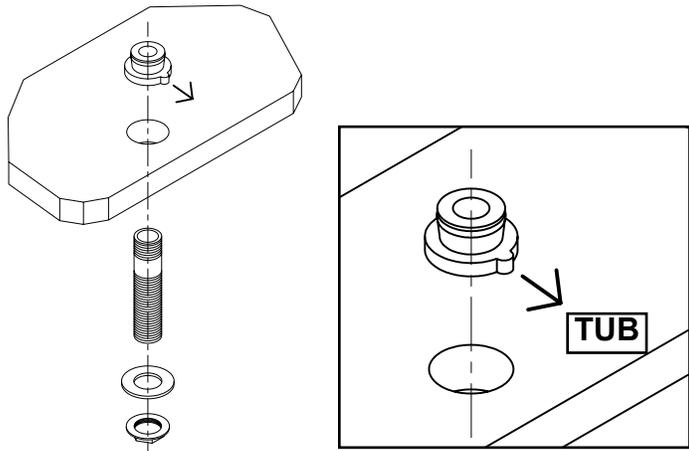
Insert the diverter valve from below through a 1 1/2" hole and install the top-fastening nut. Set the deck valve to proper rough-in height by adjusting the top mounting nut. Position the diverter with the outlet port facing the direction of the water supplies. Secure the valve by tightening the top mounting nut. The rough in measurement is found by using measurement 'A' on the Rough In Specification sheet on the back of this pamphlet. The trim product number must be known. The stem and nipple may be trimmed to arrive at the correct rough-in measurement. Double check all rough-in measurements before going to the next step.

Rough-In Step #4



Install the nipple for the hand shower hose guide through a 1-1/4" hole in the deck. This should be installed as close as practical to the deck diverter and so that the hand shower (6" center to center) will spray into the tub when in the bracket.

Rough-In Step #5

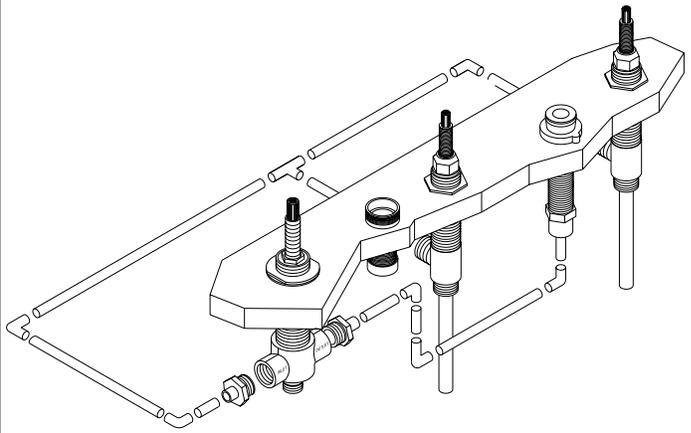


Apply teflon tape or pipe joint compound to the short end of the 3/4" spout nipple. Thread short end of the nipple into the quick connect deck spout adapter. Install the quick connect adapter through the 1-1/4" hole in the deck making sure that the deck spout adaptor sits flat on the finished deck

NOTE: SPOUT QUICK ADAPTER MUST BE INSTALLED WITH THE TAB TOWARD THE TUB.

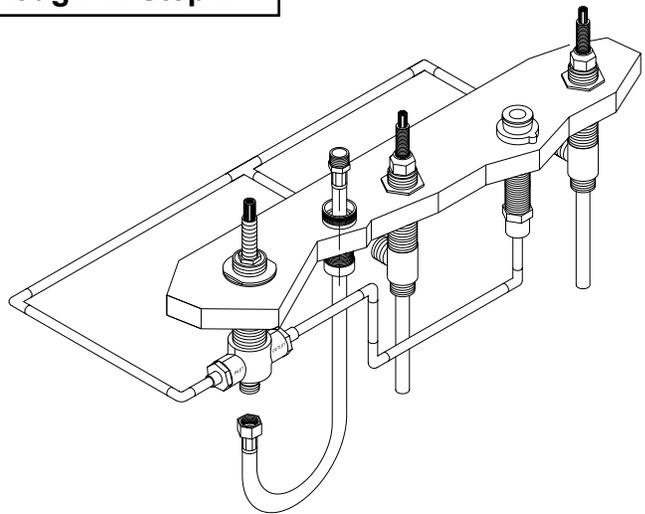
Install the stainless steel washer and fastening nut on the spout nipple and tighten from below.

Rough-In Step #6



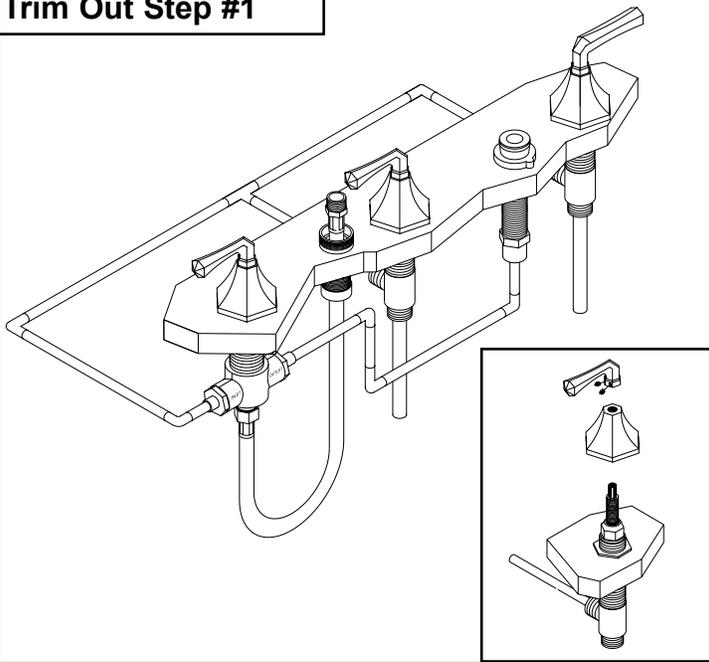
Connect the 3/4" NPT outlets from the hot and cold deck valves to a tee (see suggested installation for Rigid or Flex) and run combined supply to the "INLET" port on the deck diverter valve. Connect the port marked "OUTLET" on the deck diverter to the deck tub spout nipple.

Rough-In Step #7



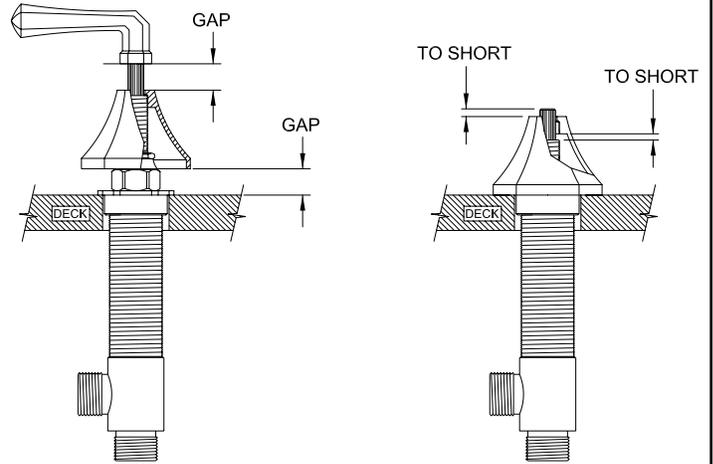
Route the stainless steel hand shower hose through the deck bracket leaving the 1/2" male end up through the nipple on the top of the tub. Then connect the 1/2" female end of the hose to the bottom outlet on the deck diverter. Secure this connection as necessary.

Trim Out Step #1



Attach the trim components by installing the escutcheons onto the valves. You may need to trim the nipple and stem.

Trim Out Step #2



If there is a "GAP"

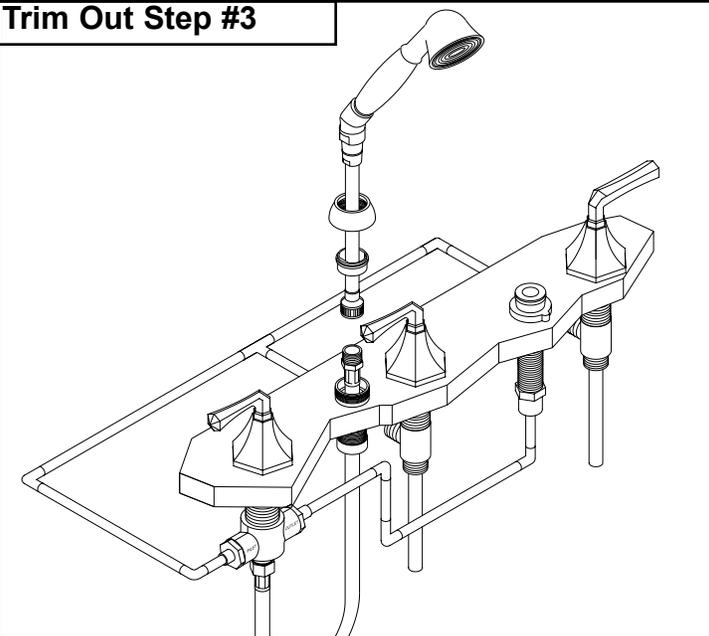
Please trim the nipple to allow the escutcheon to bottom out on the finished deck

Please trim the stem so that the handle sits just above the escutcheon.

If the nipple for the escutcheon or the stem is too "SHORT"

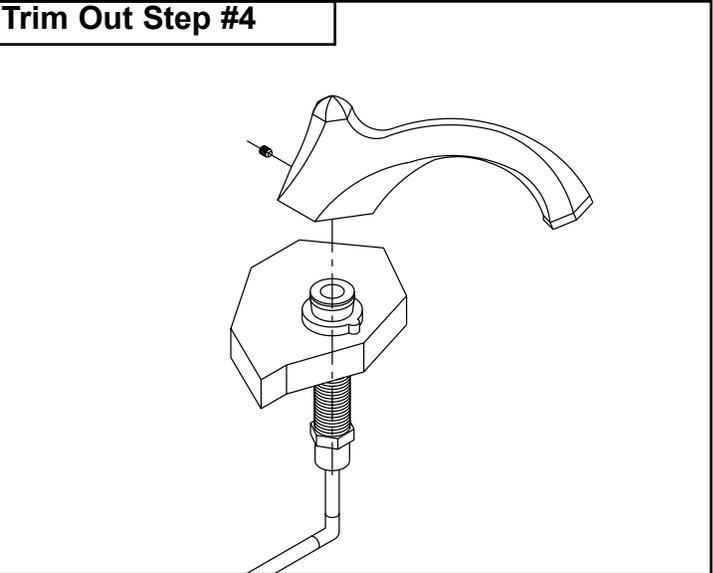
Please contact your local distributor and order an EXT-DECK to extend these parts. The EXT-DECK may be trimmed to fit after installation.

Trim Out Step #3



Insert the black plastic insert and loosely attach trim ring to the hose guide for the hand shower. Attach the finished hand shower hose end with the "O" ring to the hand shower. Attach the remaining end to the male end of the stainless steel hose and route both hoses through the hose guide. Place the hand shower so that the head will spray into the tub and hand tighten the trim ring on the hose guide.

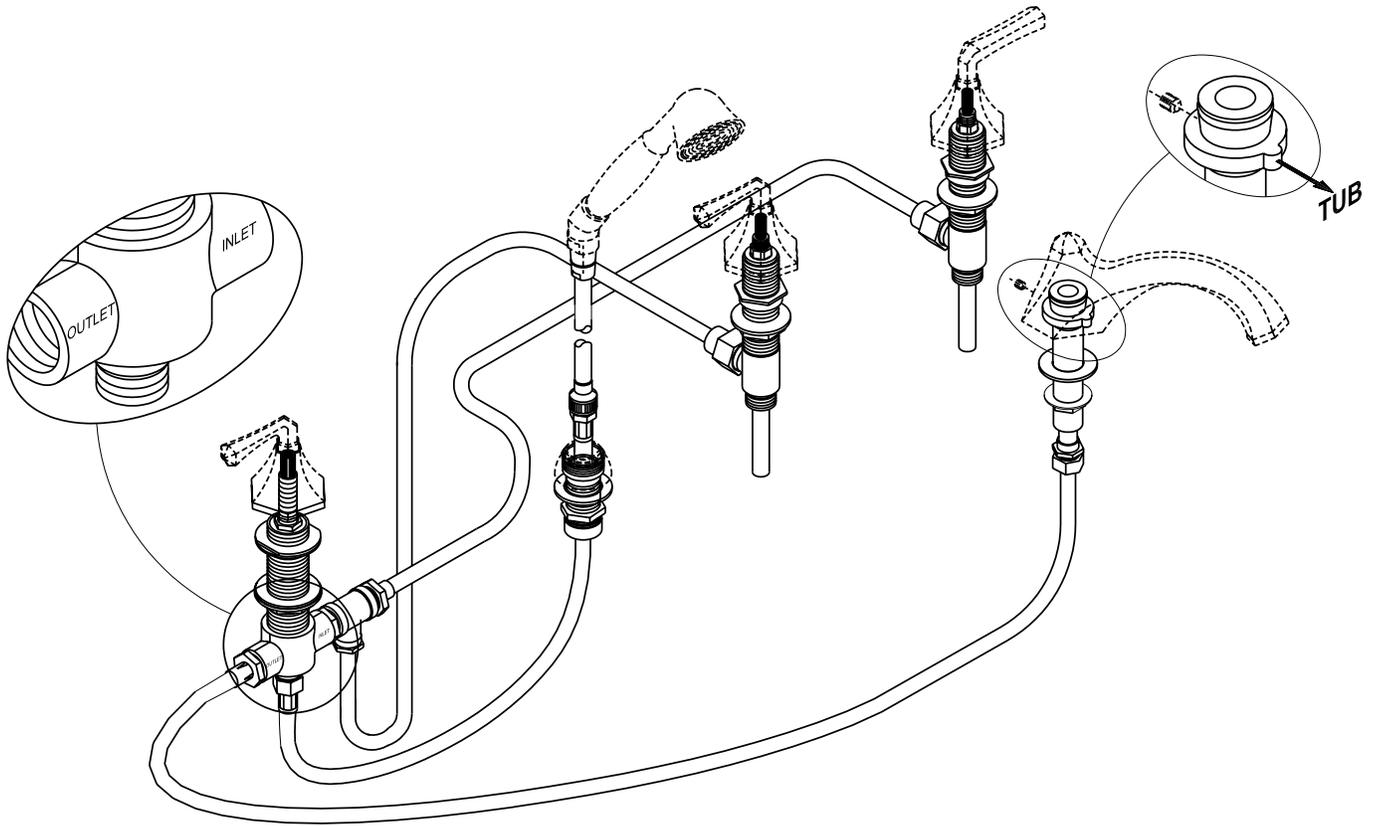
Trim Out Step #4



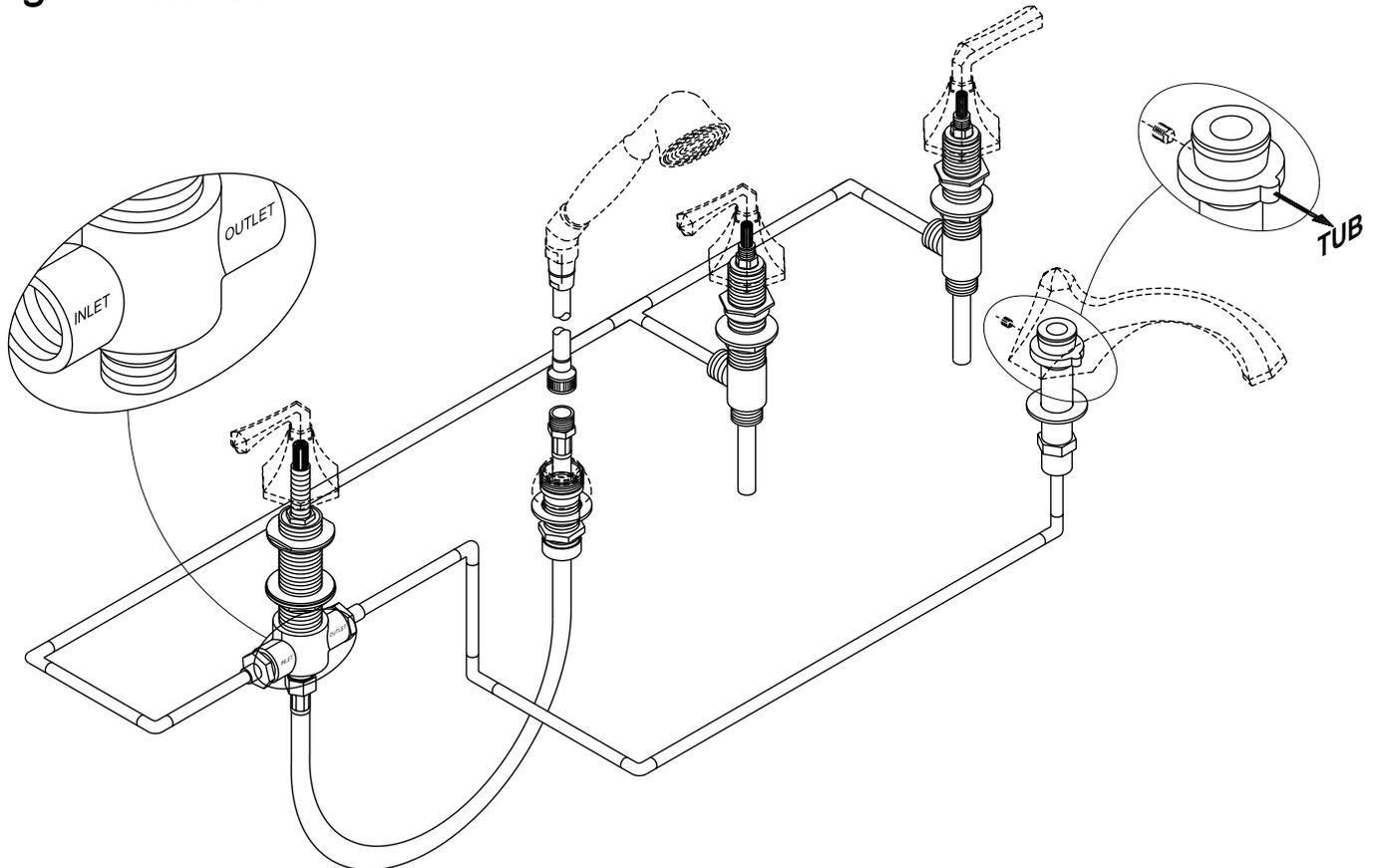
Set the deck spout onto the quick connect spout adapter and tighten the set screw at the base of the spout with the supplied allen wrench.

NOTE: IF THE SPOUT IS NOT ALIGNED IN THE CORRECT DIRECTION, **DO NOT** TAP THE SPOUT INTO POSITION. DOING SO WILL DAMAGE THE SPOUT, VOIDING THE WARRANTY. PLEASE REMOVE THE SPOUT AND ADJUST THE QUICK CONNECT SPOUT ADAPTER. Please see Rough-In Step #6.

Flexible Installation



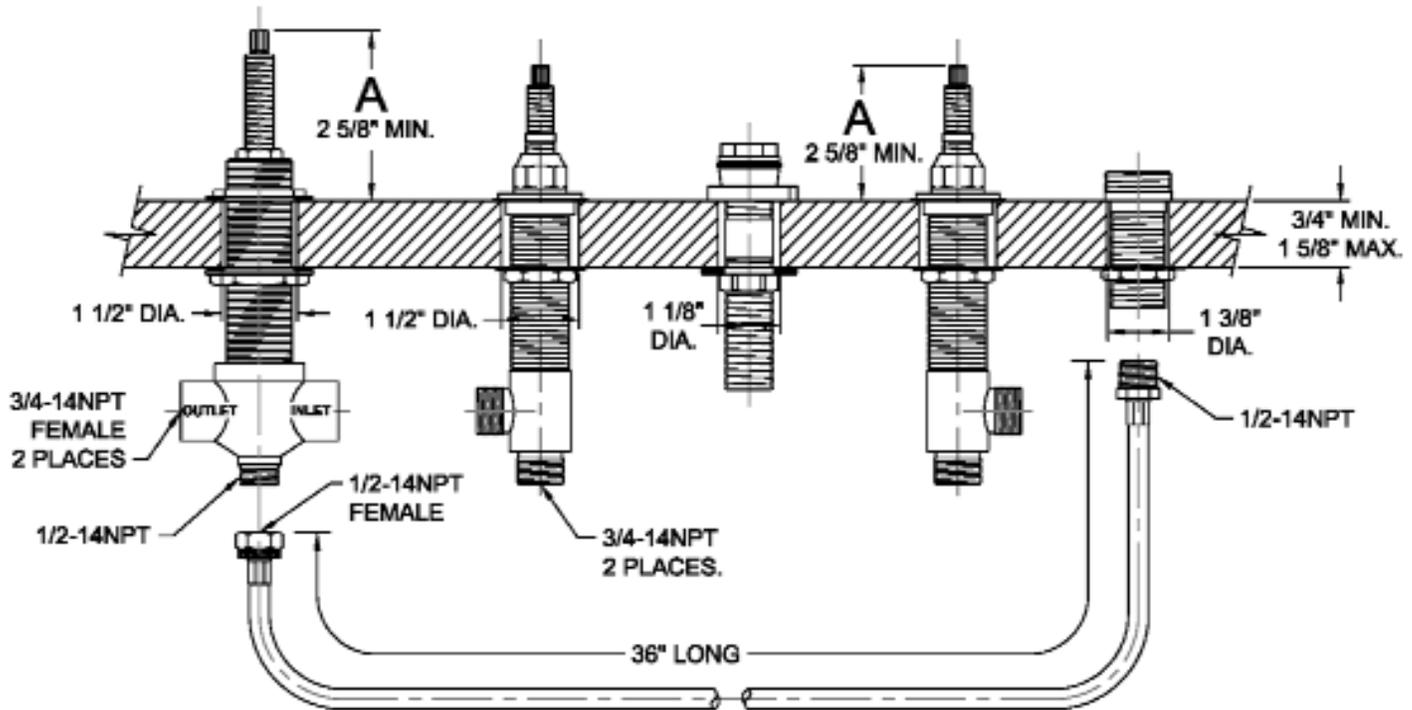
Rigid Installation



Valve shown:
80001249
90001249

“A” Rough In Specifications “A”

IF YOU DO NOT KNOW THE TRIM NUMBER INSTALL THE VALVES AT A 2 5/8” ROUGH IN MEASUREMENT.
(NOTE: THIS IS THE DISTANCE FROM THE FINISHED DECK TO THE TIP OF THE STEM.)



ALL PHYLRICH VALVE INSTALLATIONS MUST FOLLOW THE MEASUREMENTS FOR "A" LISTED BELOW.

PLEASE CONSULT THE TRIM NUMBER FOR THE CORRECT ROUGH IN DIMENSION

PROD #	ROUGH IN	PROD #	ROUGH IN	PROD #	ROUGH IN
K2101M1	.2 3/8"	K2181P1	.3"	K2310P1	.2 5/8"
K2109L1	.2 5/8"	K2183G1	.3"	K2311P1	.2 5/8"
K2110L1	.2 5/8"	K2184M1	.3"	K2314P1	.2 5/8"
K2120T1	.2 1/8"	K2190J1	.2 1/8"	K2330P1	.3"
K2120AT1	.2 1/8"	K2190AJ1	.2 1/8"	K2331P1	.3"
K2121T1	.2 1/4"	K2191J1	.2 1/4"	K2332P1	.3"
K2121A	.2 1/4"	K2191AJ1	.2 1/4"	K2333P1	.3"
K2123G1	.2 5/8"	K2211P1	.2 7/8"	K2334P1	.3"
K2135J1	.2 1/4"	K2230P1	.2 5/8"	K2337R1	.2 3/8"
K2137R1	.2 3/8"	K2231P1	.2 5/8"	K2337R1SF	.2 3/8"
K2137R1SF	.2 3/8"	K2234P1	.2 5/8"	K2338AP1	.2 1/2"
K2141P1	.2 3/8"	K2240P1	.3"	K2338BP1	.2 1/2"
K2144H1	.2 1/8"	K2241P1	.3"	K2338CP1	.2 1/2"
K2158AT1	.2 1/4"	K2242P1	.3"	K2338DP1	.2 1/2"
K2158BT1	.2 1/4"	K2243P1	.3"	K2338FP1	.2 1/2"
K2158CT1	.2 1/4"	K2244P1	.3"	K2341P1	.2 7/8"
K2158DT1	.2 1/4"	K2251T1	.2 3/4"	K2360P1	.2 3/8"
K2158FT1	.2 1/4"	K2261J1	.2 3/4"	K2361P1	.2 3/8"
K2160J1	.2 1/4"	K2270P1	.3"	K2370P1	.3"
K2161J1	.2 1/4"	K2271P1	.3"	K2371P1	.3"
K2162T1	.2 1/4"	K2272P1	.3"	K2372P1	.3"
K2163T1	.2 1/4"	K2273P1	.3"	K2372P1	.3"
K2170V1	.2 1/2"	K2274P1	.3"	K2374P1	.3"
K2171V1	.2 1/2"	K2280P1	.3"		
K2180G1	.3"	K2291J1	.2 3/4"		
		K2291AJ1	.2 3/4"		

Doralfe

PROD #	ROUGH IN
D2100J1	.2 1/4"
D2102J1	.2 1/4"
D2103J1	.2 1/4"
D2111J1	.2 1/4"
D2200T1	.2 1/4"
D2202T1	.2 1/4"
D2203T1	.2 1/4"
D2211T1	.2 1/4"
D2220A1	.2 1/4"
D2221A1	.2 1/4"
D2222B1	.2 1/4"
D2223B1	.2 1/4"