

# JACLO®

Confidence from start to finish.™

## SUPPLY VALVE ABC's

A Guide to Specifying Faucet + Toilet Supply Valves + Kits.

IT CAN BE AS SIMPLE AS THE ABC's

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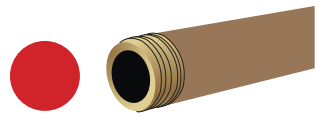
# SUPPLY VALVE CHEAT SHEET

It can be as simple as the ABC's

Below is a color-coded step by step guide on how to specify faucet + toilet supply valves + kits.

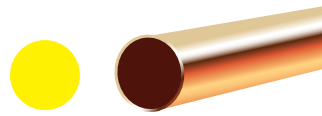
## A ASSESS the Type & Size of Water Source Pipe

If you are working on a new build, making home renovations, or replacing old piping, knowing the type of pipe is the first step when choosing the correct valve for the application. Different types of pipe serve different purposes, depending on their application & location where they are installed.



### IPS/BRASS NIPPLE

Male threaded pipe, often used in residential & commercial water applications. Use valve with female IPS threaded connection.



### COPPER

Smooth copper pipe, often used in residential & commercial water applications. Can use valve types with sweat, compression, or push-fit connections.

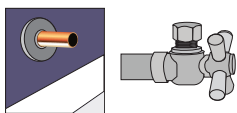


### PEX

Cross-linked polyethylene, a type of flexible plastic, currently being used to replace traditional IPS brass & copper. Can use valve types with compression connection with pex adapter or push-fit connection.

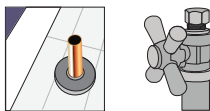
Pex pipe is Flexible & color coded.

## B BE AWARE of the Location of Water Source Pipe



### WALL = ANGLE VALVE

If your water source pipe is coming from the wall, choose an **angle valve**.



### FLOOR = STRAIGHT VALVE

If your water source pipe is coming from the floor, choose a **straight valve**.

## C CHOOSE the Type of Supply Valve (See Pages 4 & 5)

### MULTI TURN VALVE

You can turn this valve on or off with multiple turns of the handle. It operates by using a compression washer situated at the end of the valves stem that is connected to the end of the handle. This controls the water flow through the valve.

### QUARTER TURN BRASS BALL VALVE

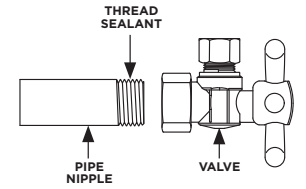
A valve that operates using a ¼ turn pivoting ball to turn water on & off. **(MOST POPULAR)**

### QUARTER TURN CERAMIC CARTRIDGE VALVE

Two ceramic discs that control the flow of water by gliding back & forth.

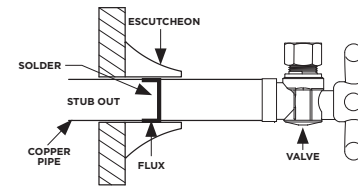
## D DETERMINE Connection Type

Based on the following connection type definitions, you will be able to determine what type of supply valve you will require.



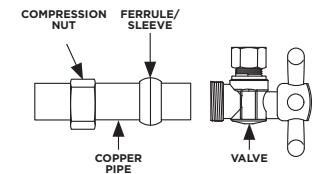
### IPS/BRASS NIPPLE THREADED CONNECTION

This type of connection uses threaded pipe for the valve to be easily screwed together for a tight fit. This is similar to screwing in a light bulb. Thread sealant and wrench are required. Be sure not to over-tighten.



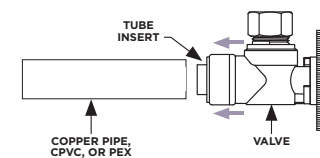
### COPPER SWEAT/SOLDER CONNECTION

This type of connection uses copper pipe and is meant to be soldered or "sweat." Flux is applied to prepared pipe and then solder is melted around the seam to create a permanent seal (*flux is a cleaning compound to prepare the pipe for soldering*).



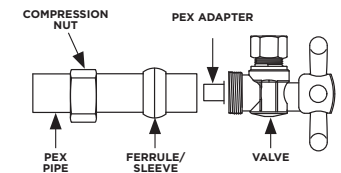
### COPPER COMPRESSION CONNECTION

This type of connection uses a compression ferrule/sleeve & nut. To make a watertight connection, the compression ferrule/sleeve is squeezed onto the copper pipe when the compression nut is tightened. Hand tighten, then quarter turn the nut with wrench. Be sure not to over-tighten.



### PUSH-FIT CONNECTION

This type of connection has a special locking mechanism and firmly grasps to the pipe when pushed in. To remove the valve, you must use a specialized disconnect clip.



### PEX COMPRESSION CONNECTION

This type of connection uses a compression ferrule/sleeve & nut. To make a watertight connection, the compression ferrule/sleeve is squeezed onto the pex pipe when the compression nut is tightened. Hand tighten, then quarter turn the nut with wrench. Be sure not to over-tighten. Pex adapter is required and sold separately.

## TERMS: Common Pipe Sizing

- IPS.....Iron Pipe Size
- O.D.....Outside Diameter
- I.D.....Inside Diameter
- NOM.....Nominal (*Used for measurement of inside of copper tubing*)
- NPT.....National Pipe Thread (*U.S. standard for tapered threads on IPS pipe*)
- FIP.....Female Iron Pipe
- MIP.....Male Iron Pipe

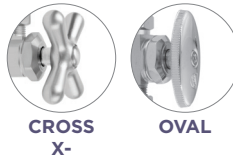
# SUPPLY VALVE OPTIONS

Once you have determined the type of water source pipe, location of pipe, and valve connection type, the next step is to choose your valve with handle style. All shut off valve options are listed below.

## MULTI TURN VALVE - Compression Style (Limited Finishes Available)

PART #	PATTERN	SIZE	HANDLE OPTIONS
● 585-	Wall = Angle	3/8" IPS x 3/8" O.D.	Oval
● 585X-	Wall = Angle	3/8" IPS x 3/8" O.D.	Cross
● 586-	Wall = Angle	1/2" IPS x 3/8" O.D.	Oval
● 586X-	Wall = Angle	1/2" IPS x 3/8" O.D.	Cross
● 582-	Wall = Angle	1/2" Copper (sweat fit) x 3/8" O.D.	Oval
● 582X-	Wall = Angle	1/2" Copper (sweat fit) x 3/8" O.D.	Cross
● 5812-	Wall = Angle	5/8" O.D. Compression (fits 1/2" copper) x 3/8" O.D.	Oval
● 5812X-	Wall = Angle	5/8" O.D. Compression (fits 1/2" copper) x 3/8" O.D.	Cross
● 590-	Floor = Straight	3/8" IPS x 3/8" O.D.	Oval
● 590X-	Floor = Straight	3/8" IPS x 3/8" O.D.	Cross
● 591-	Floor = Straight	1/2" IPS x 3/8" O.D.	Oval
● 591X-	Floor = Straight	1/2" IPS x 3/8" O.D.	Cross
● 5826-	Floor = Straight	1/2" Copper (sweat fit) x 3/8" O.D.	Oval
● 5826X-	Floor = Straight	1/2" Copper (sweat fit) x 3/8" O.D.	Cross
● 581-	Floor = Straight	5/8" O.D. Compression (fits 1/2" copper) x 3/8" O.D.	Oval
● 581X-	Floor = Straight	5/8" O.D. Compression (fits 1/2" copper) x 3/8" O.D.	Cross

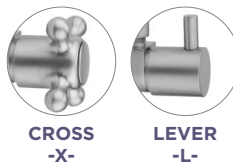
### HANDLE OPTIONS



## QUARTER TURN VALVE - Ceramic Disc Cartridge

PART #	PATTERN	SIZE	HANDLE OPTIONS
● 316-X-	Wall = Angle	1/2" Copper (sweat fit) x 3/8" O.D.	Cross
● 316-L-	Wall = Angle	1/2" Copper (sweat fit) x 3/8" O.D.	Lever
● 314-X-	Wall = Angle	1/2" IPS x 3/8" O.D.	Cross
● 314-L-	Wall = Angle	1/2" IPS x 3/8" O.D.	Lever
● 317-X-	Floor = Straight	1/2" Copper (sweat fit) x 3/8" O.D.	Cross
● 317-L-	Floor = Straight	1/2" Copper (sweat fit) x 3/8" O.D.	Lever
● 315-X-	Floor = Straight	1/2" IPS x 3/8" O.D.	Cross
● 315-L-	Floor = Straight	1/2" IPS x 3/8" O.D.	Lever

### HANDLE OPTIONS



FAUCET + TOILET SUPPLY KITS AVAILABLE AT JACLO.COM

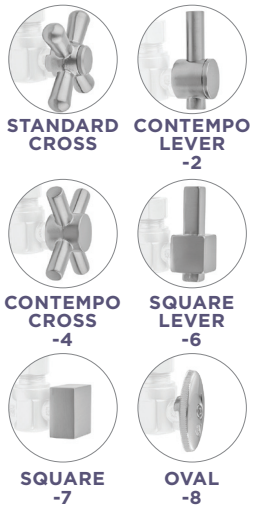


# SUPPLY VALVE OPTIONS CONT.

## QUARTER TURN VALVE - Brass Ball (Most Popular)

PART #	PATTERN	SIZE	HANDLE OPTIONS
● 615-	Wall = Angle	3/8" IPS x 3/8" O.D.	STANDARD CROSS CONTEMPO LEVER -2
● *616-	Wall = Angle	1/2" IPS x 3/8" O.D.	
● 626-	Wall = Angle	1/2" IPS x 1/2" O.D.	CONTEMPO CROSS -4 SQUARE LEVER -6
● *629-	Wall = Angle	1/2" Copper (sweat fit) x 3/8" O.D.	
● 630-	Wall = Angle	1/2" Copper (sweat fit) x 1/2" O.D.	SQUARE -7 OVAL -8
● *621-	Wall = Angle	5/8" O.D. Compression (fits 1/2" copper) x 3/8" O.D.	
● 633-	Wall = Angle	5/8" O.D. Compression (fits 1/2" copper) x 1/2" O.D.	
● 618-	Floor = Straight	3/8" IPS x 3/8" O.D.	
● *619-	Floor = Straight	1/2" IPS x 3/8" O.D.	
● 620-	Floor = Straight	1/2" IPS x 1/2" O.D.	
● *631-	Floor = Straight	1/2" Copper (sweat fit) x 3/8" O.D.	
● 635-	Floor = Straight	1/2" Copper (sweat fit) x 1/2" O.D.	
● *622-	Floor = Straight	5/8" O.D. Compression (fits 1/2" copper) x 3/8" O.D.	
● 623-	Floor = Straight	5/8" O.D. Compression (fits 1/2" copper) x 1/2" O.D.	

### HANDLE OPTIONS

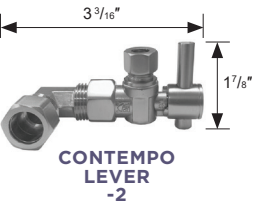


(Most popular valve options notated \* above)

## QUARTER TURN VALVE - Skirted Toilet

PART #	PATTERN	SIZE
● 616-2-SKT-	Wall = Angle	5/8" O.D. Compression (fits 1/2" copper) x 3/8" O.D.

FOR USE DURING A RENOVATION, TO GAIN BETTER ACCESS TO THE VALVE WHEN CONVERTING A NON-SKIRTED TOILET TO A SKIRTED TOILET.



## QUARTER TURN VALVE - Push-Fit (Available in PCH & SN ONLY)

PART #	PATTERN	SIZE	HANDLE OPTIONS
● 638PF-KIT-	Wall = Angle	1/2" Push-Fit x 3/8" O.D.	Oval
● 639PF-KIT-	Floor = Straight	1/2" Push-Fit x 3/8" O.D.	Oval

INCLUDES: Escutcheon & Disconnect Clip - For use with 1/2" copper, CPVC, or PEX



## PEX ADAPTER/STIFFENER - To be used with 5/8" O.D. Compression Size Connection

PART #	SIZE
● PEX-ADAPTER-	Insert for 1/2" nominal PEX tube

ADAPTER IS INSERTED INTO THE PEX TUBE TO ALLOW USE OF 5/8" COMPRESSION CONNECTION



# SUPPLY TUBES FOR FAUCET + TOILET

Supply tubes are used to connect the supply valve to the faucet or toilet and can be cut to size.

## FAUCET - 2 Required

P#	LENGTH	SPECIFICS
662-	3/8" O.D. x 20"	Flexible smooth copper 3/8" O.D.
663-	3/8" O.D. x 30"	Flexible smooth copper 3/8" O.D.
664-	3/8" O.D. x 36"	Flexible smooth copper 3/8" O.D.
668-	3/8" O.D. comp. x 20"	Basin supply Extension tube
6620-	1/2" O.D. x 20"	Flexible smooth copper 1/2" O.D.

## TOILET - 1 Required

P#	LENGTH	SPECIFICS
771-	3/8" O.D. x 12"	Flexible smooth copper 3/8" O.D.
772-	3/8" O.D. x 20"	Flexible smooth copper 3/8" O.D.
7720-	1/2" O.D. x 20"	Flexible smooth copper 1/2" O.D.



**DID YOU KNOW?** 3/8" O.D. supply tubes are the most popular.

# JACLOFLEX® Highlights

Decorative flexible stainless steel braided supply lines. These supply lines are antimicrobial & chemical resistant that add a layer of protection & strength. There is no need to bend copper anymore with these easy install flexible lines.



## FAUCET - 2 Required

PART#	LENGTH	SPECIFICS
130-SS-	3/8" O.D. x 12"	Metal Nut
132-SS-	3/8" O.D. x 16"	Metal Nut
136-SS-	3/8" O.D. x 20"	Metal Nut
137-SS-	3/8" O.D. x 30"	Metal Nut
138-SS-	3/8" O.D. x 36"	Metal Nut

## TOILET - 1 Required

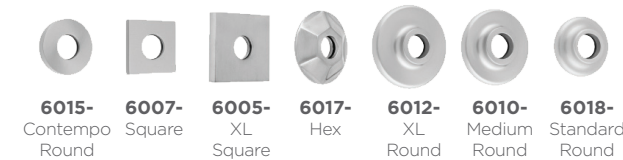
PART#	LENGTH	SPECIFICS
156-SS-	3/8" O.D. x 12"	Plastic Nut to Toilet
157-SS-	3/8" O.D. x 20"	Plastic Nut to Toilet
152-MN-SS-	3/8" O.D. x 16"	Metal Nut to Toilet
156-MN-SS-	3/8" O.D. x 12"	Metal Nut to Toilet
157-MN-SS-	3/8" O.D. x 20"	Metal Nut to Toilet

### EXTENSION FOR FAUCET + TOILET

177-SS-	3/8" O.D. x 20"	3/8" O.D. Male
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# ESCUTCHEONS, COVER TUBES + BRASS NIPPLES

## DECORATIVE ESCUTCHEONS



6015-	Fits 579- Cover tubes & 629- & 631- series valves
6007-	Fits 579- Cover tubes & 629- & 631- series valves
6005-	Fits 579- Cover tubes & 629- & 631- series valves
6017-	Fits 579- Cover tubes & 629- & 631- series valves
6012-	Fits 579- Cover tubes & 629- & 631- series valves
6010-	Fits 579- Cover tubes & 629- & 631- series valves
6018-	Fits 579- Cover tubes & 629- & 631- series valves

## BELL ESCUTCHEONS



7138-	Fits 3/8" IPS pipe
7112-	Fits 1/2" IPS pipe
743-	Fits 1/2" Cover tube for 1/2" IPS pipe
7158-	Fits 1/2" Copper pipe
7116-	Fits 579- Cover tubes & 629- & 631- series valves
7118-	Fits 579- Cover tubes & 629- & 631- series valves

## LOW PATTERN ESCUTCHEONS



740-	Fits 3/8" IPS pipe
741-	Fits 1/2" IPS pipe
7463-	Fits 1/2" Copper pipe

### COVER TUBES\*

579-	For 1/2" Copper pipe
580-	For 1/2" IPS pipe

### BRASS NIPPLES\*

801-38.4-	3/8" IPS x 4"
801-12.4-	1/2" IPS x 4"

\*Covers exposed pipe between valve and escutcheon.

\*Additional lengths available.

# DECORATIVE + "P" TRAPS

Available in all finishes. Under the sink will compliment and match the faucet above.

Extra long wall bends available.

## DECORATIVE ROUND

255-	1 1/4" wall outlet
256-	1 1/2" wall outlet



## DECORATIVE SQUARE

270-	1 1/4" wall outlet
271-	1 1/2" wall outlet



## DECORATIVE TRADITIONAL US PATENT #D703297

257-	1 1/4" wall outlet
258-	1 1/2" wall outlet



## ROUND BOX ESCUTCHEON

251-	1 1/4" wall outlet
253-	1 1/2" wall outlet



## ROUND BOX ESCUTCHEON WITH CLEAN OUT

262-	1 1/2" wall outlet with cleanout plug
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## NEW ENGLAND STYLE

272-	1 1/2" wall outlet
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# Problem SOLVERS

Different type/size extension tubes, flanged tailpieces, double offset tubes... we have it all!



See Tubular Brass Products section of the JACLO catalog, or visit [jaclo.com](http://jaclo.com)

# FAUCET + TOILET SUPPLY VALVE KITS

JACLO has hundreds of types of decorative supply kits in a wide variety of finish options. The six handle options complement the faucet and shower trim, matching fixtures throughout the full bathroom.

Faucet + Toilet supply valve kits are packaged with an easy view window, allowing you to see the finish and all components needed for install.



Shown: Faucet: 8883-TSQ462-CB, IPS Supply Kit: 616-62-CB, Decorative round trap: 255-CB All shown in Caramel Bronze (CB)

## MOST POPULAR - FAUCET SUPPLY KITS

Kits contain: [2] Valves (Angle or Straight), [2] Supply Tubes (20"), & [2] Escutcheons

**Compression Connection**

621-62-  
● ●

**IPS Connection**

616-62-  
●

**Sweat/Solder Connection**

629-62-  
●

Also available: 621-62-CT includes cover tube and bell escutcheon.

(2) 4" IPS nipples included

Pex adapter sold separately

STANDARD CROSS   -2   -4   -6   -7   -8

## MOST POPULAR - TOILET SUPPLY KITS

Kits contain: [1] Valve (Angle or Straight), [1] Supply Tube (20"), & [1] Escutcheon

**Compression Connection**

621-72-  
● ●

**IPS Connection**

616-72-  
●

**Sweat/Solder Connection**

629-72-  
●

Also available: 621-72-CT includes cover tube and bell escutcheon.

(1) 4" IPS nipple included

Pex adapter sold separately

STANDARD CROSS   -2   -4   -6   -7   -8