

Prevent
CATASTROPHIC
Water Damage!

With Watts

FloodSafeTM
Auto-Shutoff Connector



WATTS[®]





FloodSafe™
Auto-Shutoff Connector

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Watts is pleased to introduce its new line of **FloodSafe™ Auto-Shutoff Connectors**. The FloodSafe's patented design protects against catastrophic water damage caused by burst, broken or ruptured water supply hoses and fittings. FloodSafe™ connectors include a standard braided stainless steel flexible hose and a FloodSafe™ shutoff device located on the inlet.

Problem



In recent years, losses due to water and mold damage to residential and commercial buildings have been steadily on the rise. Water supply hoses are vulnerable to a number of potential problems. Over time, hoses can become brittle and burst. Poorly manufactured hoses can break under normal

pressure conditions and hoses used in public venues are highly vulnerable to tampering by vandals. All of these conditions can lead to a flood of problems for homeowners, property managers and maintenance personnel.

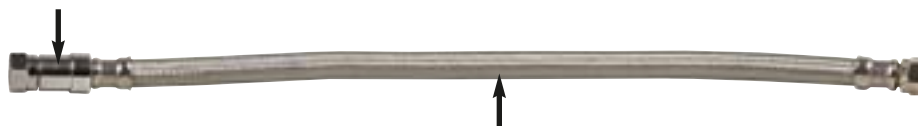


Water Damage is not a pretty picture!

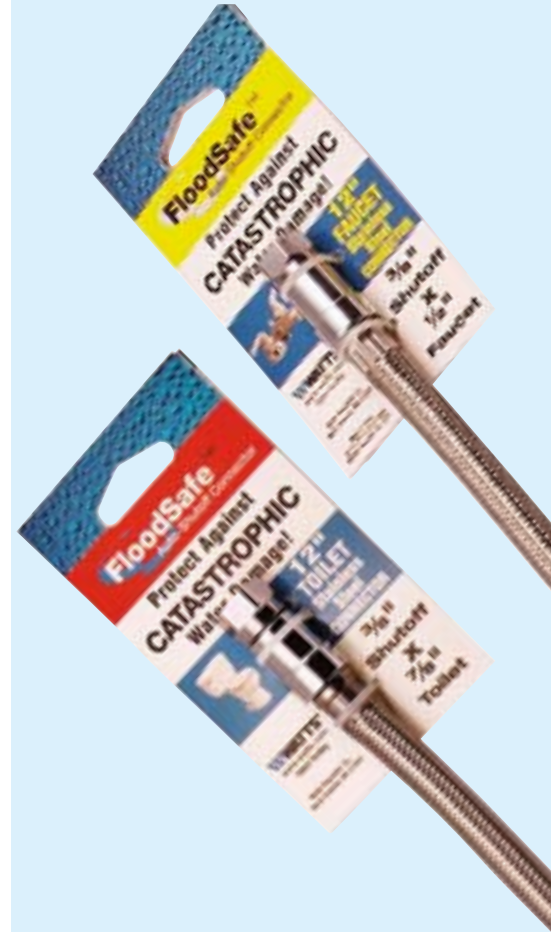
Solution

Watts FloodSafe™ auto-shutoff connectors protect against catastrophic water damage by automatically shutting off the water supply to plumbing fixtures/appliances if excess water flow is sensed. Water flow through the FloodSafe™ device is limited to a factory preset flow rate, any flow over the preset rate will automatically shutoff all flow of water through the device.

FloodSafe™ Shutoff Device



Braided Stainless Steel Connector



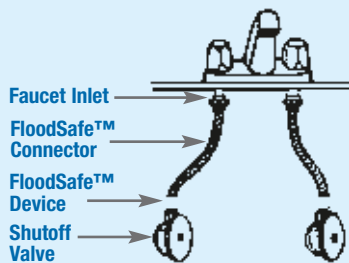
Fact... A Burst Washing Machine Hose can Discharge 500 Gallons of Water in One Hour.

Features

- Only economical and secure safeguard against catastrophic water damage available on the market
- Patented design
- No mechanical moving parts during normal operation, ensuring years of maintenance free operation
- Does not require electricity, batteries or any other source of power
- Maintenance free, should debris get caught in the FloodSafe's strainer, simply remove the connector, tap the end in the palm of your hand to dislodge debris, then reconnect
- NSF and IAPMO Listed



- Installs between the stop valve and the fixture/appliance with the FloodSafe™ device located at the stop valve



- Acts as a water conservation device, by shutting off the water to the faucet when the mandated flow restrictor is removed
- Available for faucets, toilets, ice makers, dishwashers and washing machines

How it Works

FloodSafe™ is actuated by flow of cold or hot water in excess of the design flow rate indicated on the label. Once a downstream flow of water in excess of the flow required by any standard fixture/appliance is detected, FloodSafe™ assumes a burst and the flow of water is shutoff. FloodSafe™ remains in the closed position until it is reset.

FloodSafe™ Shutoff Device



Braided Stainless Steel Connector

Resetting FloodSafe™ Connectors

Resetting FloodSafe™ connectors if water flow has been stopped is easy. Simply follow the steps below:

To Install:

1. Turn off water supply at shutoff valve.
2. Remove old supply connector.
3. Install the end connection with the FloodSafe™ device at the shutoff valve. Install the other end of the connector to the faucet inlet. Caution: Hand tighten the nuts plus 1/4" turn with a wrench. Do not overtighten.
4. Slowly turn on water at the shutoff valve to full open position.
5. Check for leaks.

Important: Removing the faucet aerator or flow restrictor may cause the FloodSafe™ to activate shutting off flow to the faucet.

Check for damage or rupture to the hose.

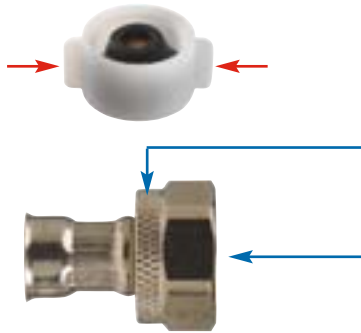
Do not reactivate if a leak is evident.

To reactivate flow of water to the fixture:

1. Close the shutoff valve to shut the water supply to the FloodSafe™ connector
2. Disconnect the FloodSafe™ at the shutoff valve. This will automatically reset the FloodSafe™ device.
3. Reconnect the FloodSafe™ according to installation instructions and turn on water supply to full open position. Check for leaks.

End Fittings

All Watts Flexible connectors feature improved end fittings to make them **Easier and Quicker** to install:

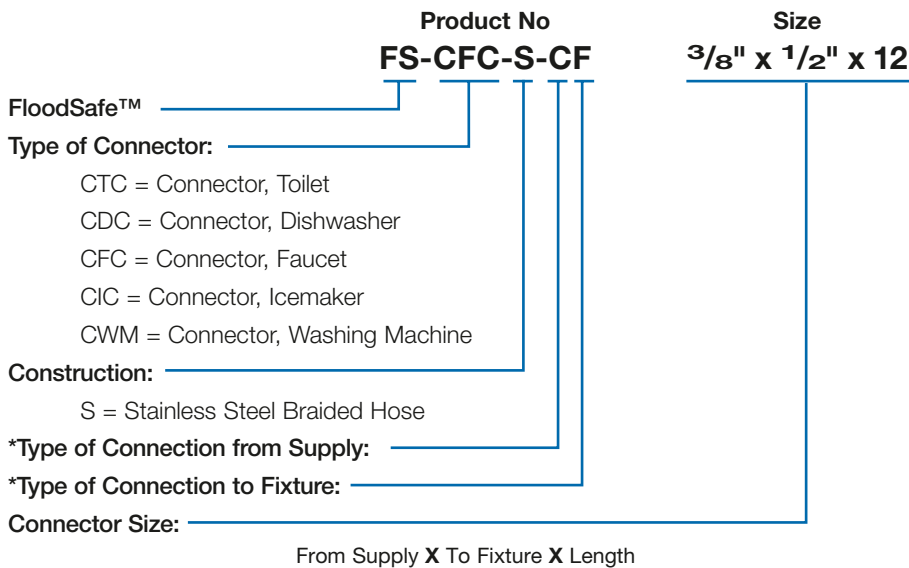


- by adding **“ears”** to our ball cock end fittings, we have made them easier to install and tighten.
- by **Knurling** the section on the bottom of our faucet connectors, we have made them easier for you to start and hand tighten the nuts.
- by using a **Full Size Nut** on the top portion of our faucet connectors, we have reduced the chance of wrench slippage.

To help you choose the correct flexible connector for your particular application, we have diagrammed our ordering nomenclature below. Also, to speed your access to a particular connector of interest, we have provided a brief Table of Contents.

How to Order Flexible Connectors

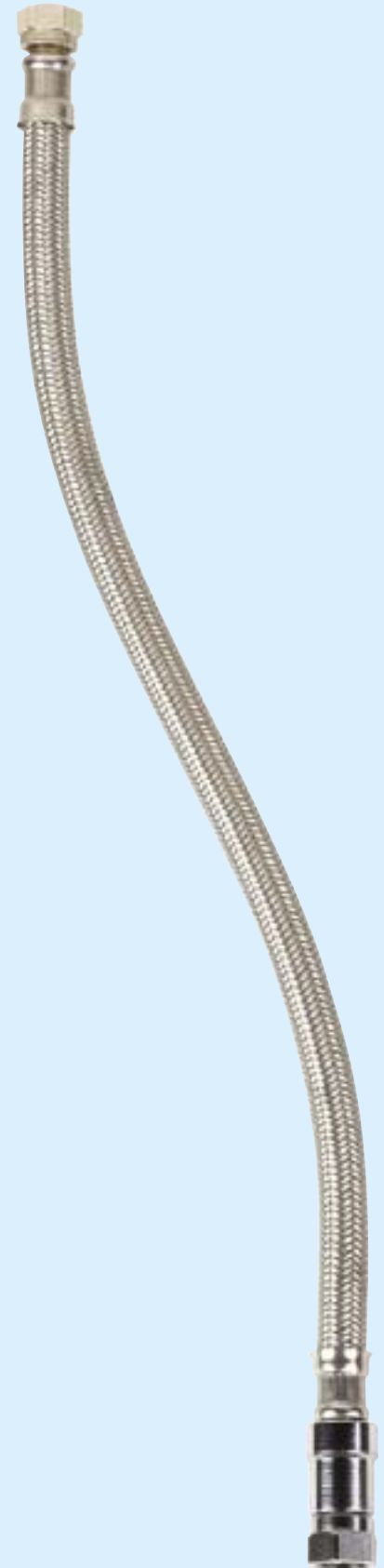
Example: FS-CFC-S-CF 3/8" x 1/2" x 12"



*Definition for type of Connection:

Connection Type

- | | |
|-----------------------------|---------------------------------|
| B = Ballcock End Fitting | H = Female Hose End Fitting |
| C = Compression End Fitting | O = OD Compression End Fitting |
| E = MIP Elbow End Fitting | T = Fine Thread FIP End Fitting |
| F = FIP End Fitting | |



Series FS-CFC-S



Braided Stainless Steel Faucet Connectors

PVC tubing jacketed with braided stainless steel. End fittings that are permanently attached with a superior hydraulic multi-crimp process. These connectors offer protection from vibration and bursting under extreme pressure surges which can occur in system piping.

They also offer cost effective installation and are especially handy for difficult installations involving misalignment of piping or cramped locations.

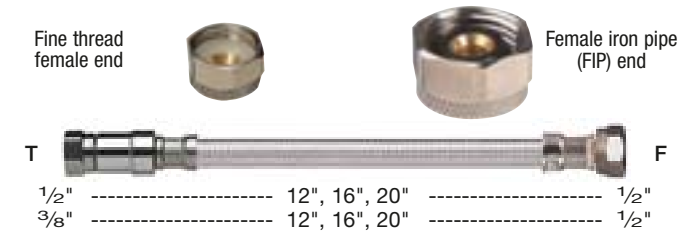
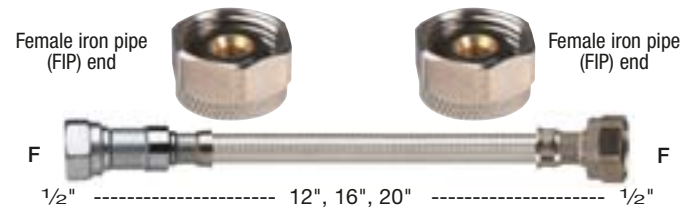
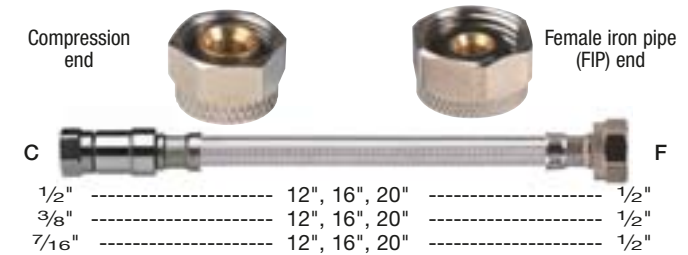
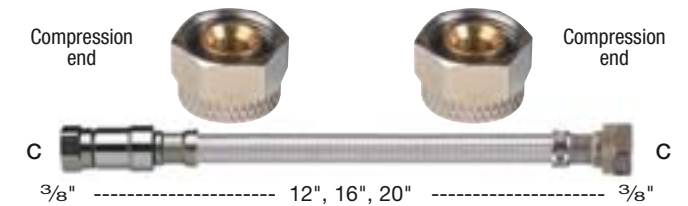
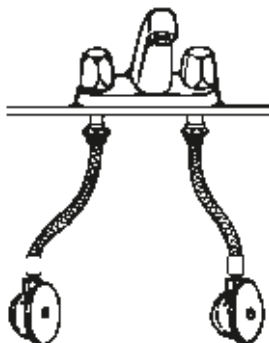
All hoses are NSF61 approved for safer drinking water.

Max. Temperature 180°F/Max. Pressure 125psi

- No tube cutting or bending
- No soldering
- No extra adapters, fittings or couplings required

Models

- FS-CFC-S-CC** – Both ends of the flexible connector are supplied with plated solid brass nut compression end fittings for connection to supply stop valves and faucets.
- FS-CFC-S-CF** – One end of the flexible connector is supplied with a plated, solid brass compression end fitting for connection to a supply stop valve. The other end is supplied with a plated, solid brass female iron pipe thread fitting.
- FS-CFC-S-FF** – Both ends of the flexible connector are supplied with a plated, solid brass female iron pipe thread fittings.
- FS-CFC-S-TF** – One end of the flexible connector is supplied with a plated, solid brass female iron pipe thread fitting. The other end with a plated, solid brass fine thread female iron pipe fitting.



PRODUCT NO.	SIZE	ORDERING CODE	INDIVIDUAL WGT. (LBS.)
FS-CFC-S-CC	3/8" x 3/8" x 12"	0392230	0.25
FS-CFC-S-CC	3/8" x 3/8" x 16"	0392231	0.28
FS-CFC-S-CC	3/8" x 3/8" x 20"	0392232	0.32
FS-CFC-S-CF	1/2" x 1/2" x 12"	0392233	0.28
FS-CFC-S-CF	1/2" x 1/2" x 16"	0392234	0.31
FS-CFC-S-CF	1/2" x 1/2" x 20"	0392235	0.35
FS-CFC-S-CF	3/8" x 1/2" x 12"	0392200	0.27
FS-CFC-S-CF	3/8" x 1/2" x 16"	0392201	0.31
FS-CFC-S-CF	3/8" x 1/2" x 20"	0392202	0.34
FS-CFC-S-CF	7/16" x 1/2" x 12"	0392236	0.26
FS-CFC-S-CF	7/16" x 1/2" x 16"	0392237	0.30
FS-CFC-S-CF	7/16" x 1/2" x 20"	0392238	0.34
FS-CFC-S-FF	1/2" x 1/2" x 12"	0392239	0.32
FS-CFC-S-FF	1/2" x 1/2" x 16"	0392203	0.36
FS-CFC-S-FF	1/2" x 1/2" x 20"	0392204	0.39
FS-CFC-S-TF	1/2" x 1/2" x 12"	0392240	0.28
FS-CFC-S-TF	1/2" x 1/2" x 16"	0392241	0.31
FS-CFC-S-TF	1/2" x 1/2" x 20"	0392242	0.35
FS-CFC-S-TF	3/8" x 1/2" x 12"	0392243	0.27
FS-CFC-S-TF	3/8" x 1/2" x 16"	0392244	0.31
FS-CFC-S-TF	3/8" x 1/2" x 20"	0392245	0.34

“Delta Style”

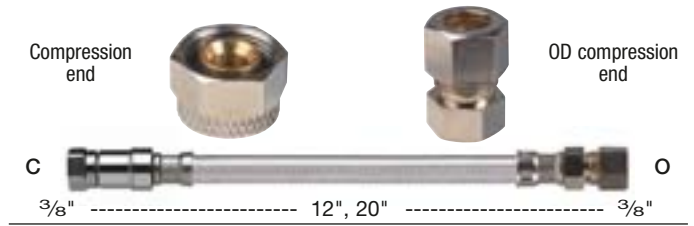


Braided Stainless Steel Faucet Connectors

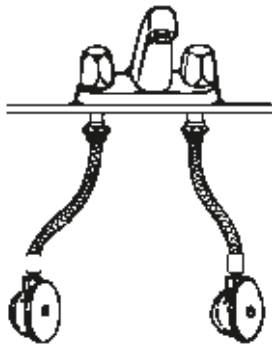
Max. Temperature 180°F/Max. Pressure 125psi

Models:

FS-CFC-S-CO – One end of the flexible connector is supplied with a plated solid brass compression end fitting for connection to a supply stop valve. The other end is supplied with a plated, solid brass OD compression end fitting.



PRODUCT NO.	SIZE	ORDERING CODE	INDIVIDUAL WGT. (LBS.)
FS-CFC-S-CO	3/8" x 3/8" x 12"	0392205	0.27
FS-CFC-S-CO	3/8" x 3/8" x 20"	0392246	0.34



Series FS-CTC-S

Braided Stainless Steel Toilet Connectors

PVC tubing jacketed with braided stainless steel and end fittings that are permanently attached with a superior hydraulic multi-crimp process, these Watts flexible faucet connectors offer protection from vibration and bursting under extreme pressure surges which can occur in system piping.

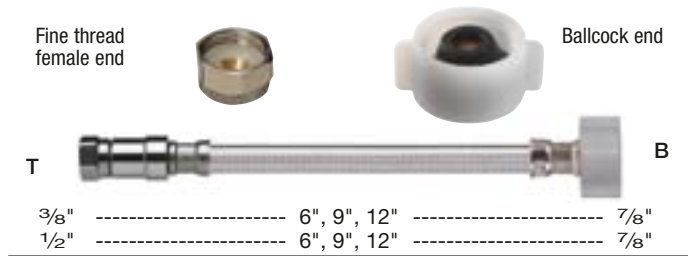
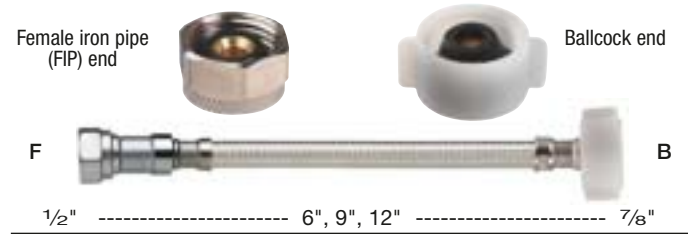
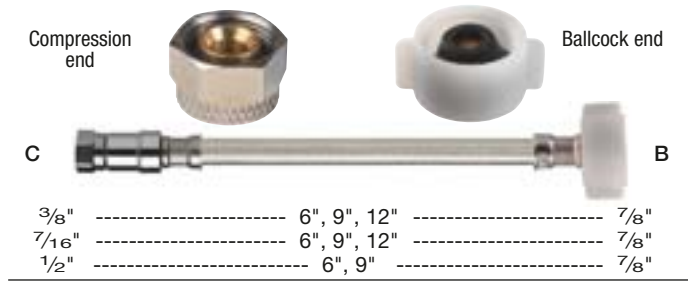
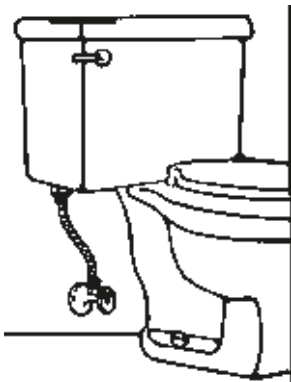
Max. Temperature 180°F/Max. Pressure 125psi

Note: A minimum flow rate of 2.5 gallons per minute at the supply connection is required for proper shut off operation. (Typically 30 psi supply pressure meets this requirement.)

Performance is accurate to the 80psi maximum system pressure as required by national plumbing codes.

Models:

- FS-CTC-S-CB** – One end of the flexible connector is supplied with ballcock end fitting. The other end is supplied with a plated, solid brass compression end fitting for connection to a supply stop valve.
- FS-CTC-S-FB** – One end of the flexible connector is supplied with a ballcock end fitting. The other end is supplied with a plated, solid brass female iron pipe thread fitting.
- FS-CTC-S-TB** – One end of the flexible connector is supplied with a ballcock end fitting. The other end is supplied with a solid brass fine thread female iron pipe fitting.



PRODUCT NO.	SIZE	ORDERING CODE	INDIVIDUAL WGT. (LBS.)
FS-CTC-S-CB	$\frac{3}{8}$ " x $\frac{7}{8}$ " x 6"	0392247	0.28
FS-CTC-S-CB	$\frac{3}{8}$ " x $\frac{7}{8}$ " x 9"	0392248	0.22
FS-CTC-S-CB	$\frac{3}{8}$ " x $\frac{7}{8}$ " x 12"	0392206	0.25
FS-CTC-S-CB	$\frac{7}{16}$ " x $\frac{7}{8}$ " x 6"	0392249	0.19
FS-CTC-S-CB	$\frac{7}{16}$ " x $\frac{7}{8}$ " x 9"	0392250	0.22
FS-CTC-S-CB	$\frac{7}{16}$ " x $\frac{7}{8}$ " x 12"	0392251	0.24
FS-CTC-S-CB	$\frac{1}{2}$ " x $\frac{7}{8}$ " x 6"	0392252	0.20
FS-CTC-S-CB	$\frac{1}{2}$ " x $\frac{7}{8}$ " x 9"	0392253	0.23
FS-CTC-S-FB	$\frac{1}{2}$ " x $\frac{7}{8}$ " x 6"	0392254	0.24
FS-CTC-S-FB	$\frac{1}{2}$ " x $\frac{7}{8}$ " x 9"	0392255	0.27
FS-CTC-S-FB	$\frac{1}{2}$ " x $\frac{7}{8}$ " x 12"	0392207	0.30
FS-CTC-S-TB	$\frac{3}{8}$ " x $\frac{7}{8}$ " x 6"	0392256	0.20
FS-CTC-S-TB	$\frac{3}{8}$ " x $\frac{7}{8}$ " x 9"	0392257	0.22
FS-CTC-S-TB	$\frac{3}{8}$ " x $\frac{7}{8}$ " x 12"	0392258	0.25
FS-CTC-S-TB	$\frac{1}{2}$ " x $\frac{7}{8}$ " x 6"	0392259	0.20
FS-CTC-S-TB	$\frac{1}{2}$ " x $\frac{7}{8}$ " x 9"	0392260	0.23
FS-CTC-S-TB	$\frac{1}{2}$ " x $\frac{7}{8}$ " x 12"	0392261	0.26

Series FS-CWM-S



**Braided Stainless Steel
Washing Machine Connectors**

Made of PVC tubing jacketed with braided stainless steel. The end fittings are permanently attached with a superior hydraulic multi-crimp process. These connectors provide full flow capacity and offer protection from vibration and bursting under the extreme pressure surges, which can occur during normal operation of washing machine solenoid valves.

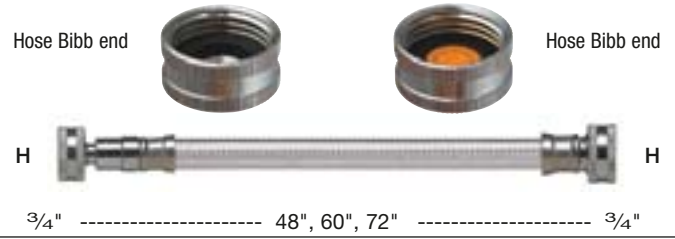
Max. Temperature 180°F/Max. Pressure 125psi

Note: A minimum flow rate of 2.5 gallons per minute at the supply connection is required for proper shut off operation. (Typically 30 psi supply pressure meets this requirement.)

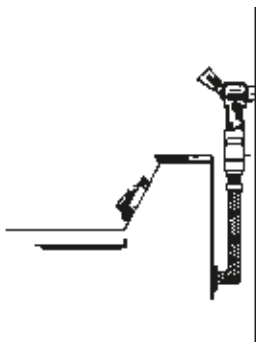
Performance is accurate to the 80psi Maximum system pressure as required by national plumbing codes.

Models:

FS-CWM-S-HH – Supplied with standard brass female hose bibb fittings at each end of the flexible connector.



PRODUCT NO.	SIZE	ORDERING CODE	INDIVIDUAL WGT. (LBS.)
FS-CWM-S-HH	3/4" x 3/4" x 48"	0392262	0.76
FS-CWM-S-HH	3/4" x 3/4" x 60"	0392208	0.90
FS-CWM-S-HH	3/4" x 3/4" x 72"	0392209	1.04



Series FS-CDC-S



Braided Stainless Steel Dishwasher Connectors

Made of PVC tubing, jacketed with braided stainless steel these connectors provide full flow capacity and offer protection from vibration and bursting under extreme pressure surges which can occur during normal operation of dishwasher solenoid valves.

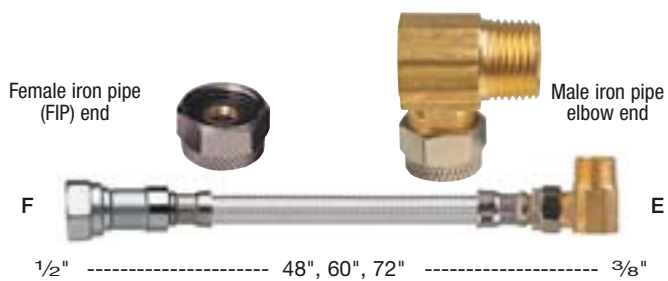
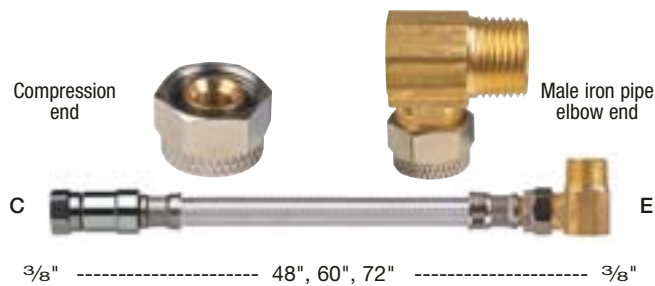
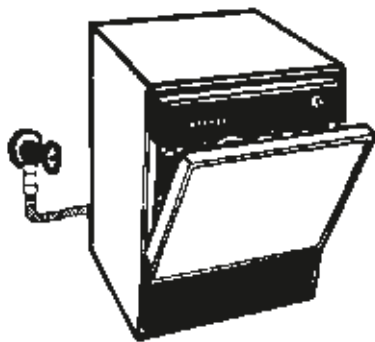
They provide cost effective installation, and since all models are supplied with an elbow fitting, you will not arrive at the jobsite without the proper fitting.

Max. Temperature 180°F/Max. Pressure 125psi

Models:

FS-CDC-S-CE – Supplied with a plated, solid brass nut compression end fittings at both ends of the flexible connector and a brass male iron pipe thread elbow fitting.

FS-CDC-S-FE – Supplied with a plated, solid brass nut female iron pipe thread connector at one end of the flexible connector and a brass male iron pipe thread elbow fitting attached to compression end fitting at the other end of the flexible connector.



PRODUCT NO.	SIZE	ORDERING CODE	INDIVIDUAL WGT. (LBS.)
FS-CDC-S-CE	3/8" x 3/8" x 48"	0392212	0.66
FS-CDC-S-CE	3/8" x 3/8" x 60"	0392263	0.76
FS-CDC-S-CE	3/8" x 3/8" x 72"	0392264	0.87
FS-CDC-S-FE	1/2" x 3/8" x 48"	0392265	0.70
FS-CDC-S-FE	1/2" x 3/8" x 60"	0392266	0.81
FS-CDC-S-FE	1/2" x 3/8" x 72"	0392267	0.92

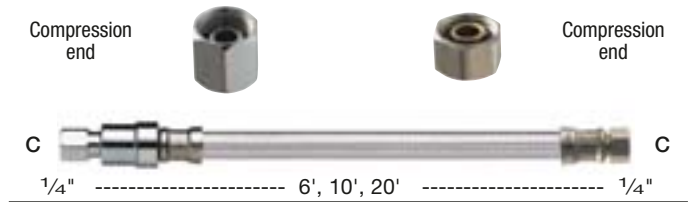
Series FS-CIC-S 
Braided Stainless Steel Ice Maker Connectors

All reinforced PVC tubing with a polyester knitted reinforcement lay and a protective PVC outer layer and end fittings that are permanently attached with a superior hydraulic multi-crimp process, these connectors provide reliable protection against vibration and bursting under extreme pressure surges. Their flexibility also facilitates the slide in/slide out moving of a refrigerator without danger of permanent damage from kinked copper tubing.

Max. Temperature 140°F / Max. Pressure 125psi
(See note below).

Models:

FS-CIC-S – All models are supplied with solid brass compression end fittings.



PRODUCT NO.	SIZE	ORDERING CODE	INDIVIDUAL WGT. (LBS.)
FS-CIC-S	1/4" x 1/4" x 6'	0392210	0.80
FS-CIC-S	1/4" x 1/4" x 10'	0392211	1.40
FS-CIC-S	1/4" x 1/4" x 20'	0392268	2.50

NOTE: National residential plumbing codes reference the maximum operating temperature as 140°F (60°C). Plumbing fixtures are designed to ANSI--ASME A112 18.1 at 125psi.