

Prevent
CATASTROPHIC
Water Damage!

With Watts

FloodSafeTM
Auto-Shutoff Connector



WATTS[®]





FloodSafe™
Auto-Shutoff Connector



Table of Contents

<i>Product</i>	<i>Page</i>
General Information	1-3
Faucet Connectors	4-5
Toilet Connectors	6
Washing Machine Connectors	7
Dishwasher Connectors	8
Ice Maker Connectors	9

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!

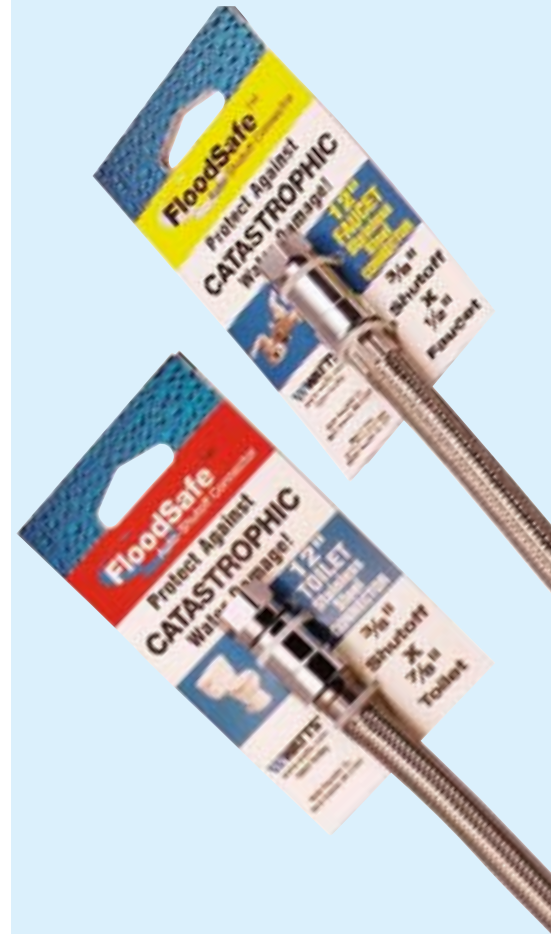
Solution

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



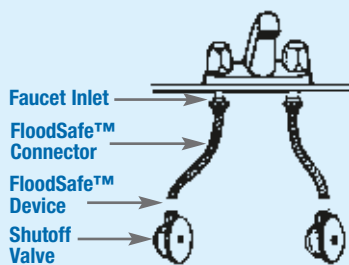
Fact... A Burst Washing Machine Hose can Discharge 500 Gallons of Water in One Hour.

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.

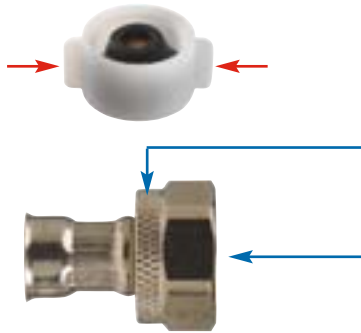
Do not reactivate if a leak is evident.

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:

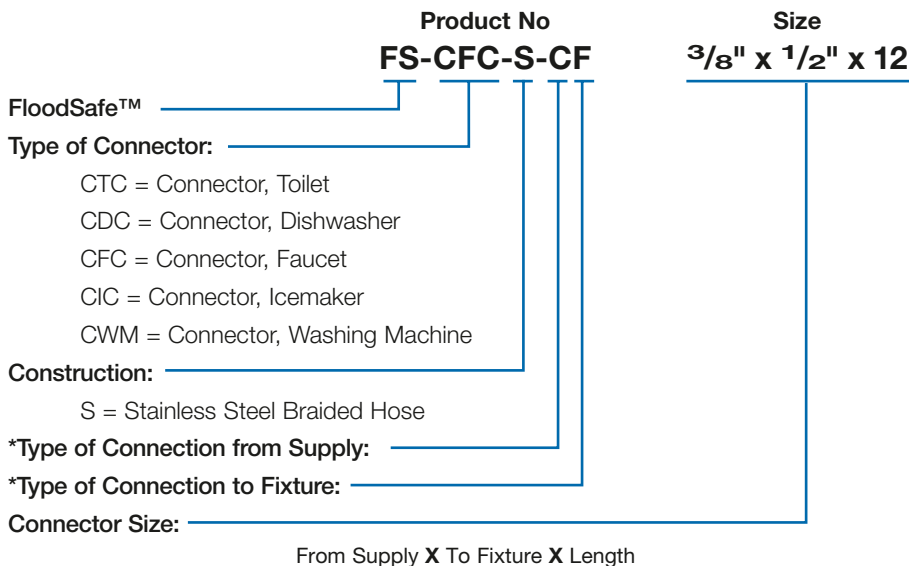


- by adding **“ears”** to our ball cock end fittings, we have made them easier to install and tighten.
- by **Knurling** the section on the bottom of our faucet connectors, we have made them easier for you to start and hand tighten the nuts.
- by using a **Full Size Nut** on the top portion of our faucet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

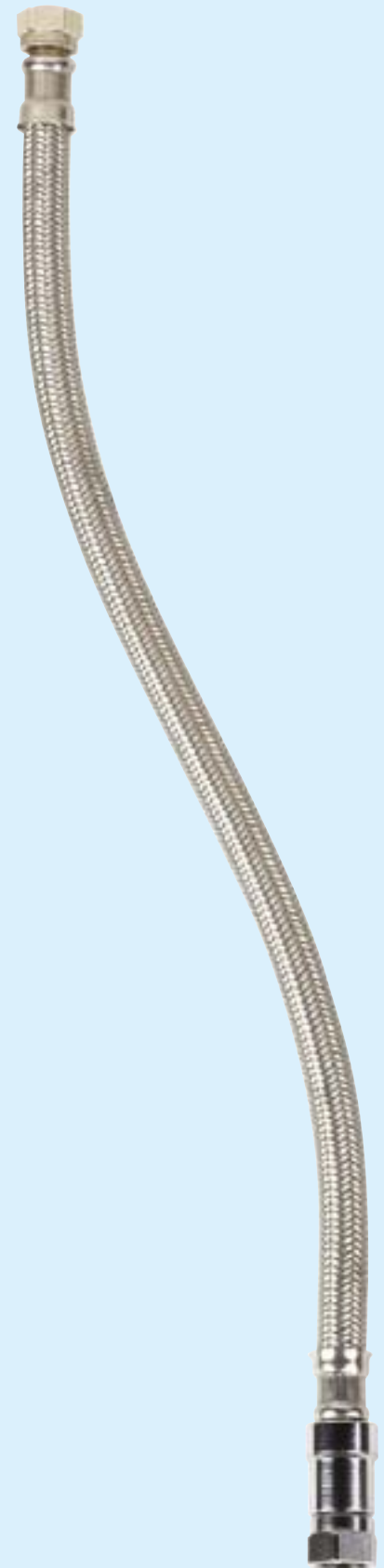
Example: FS-CFC-S-CF 3/8" x 1/2" x 12"



*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

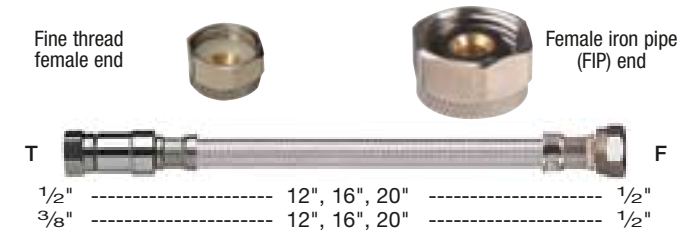
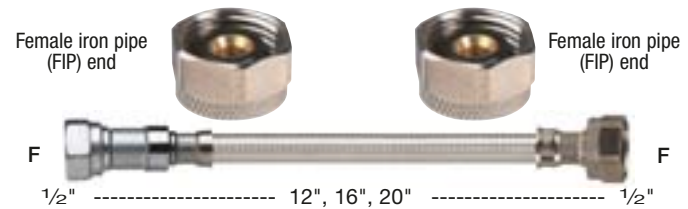
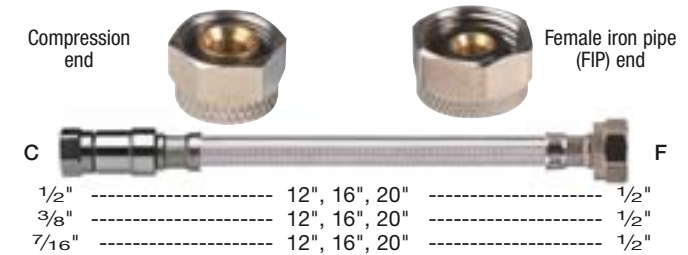
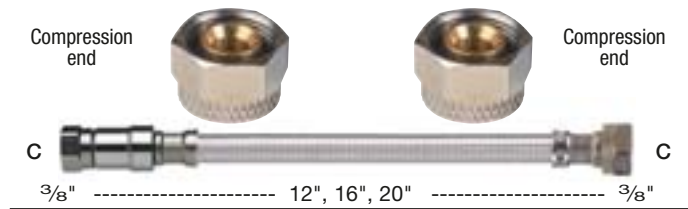
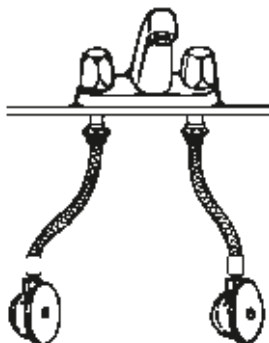
Models

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”

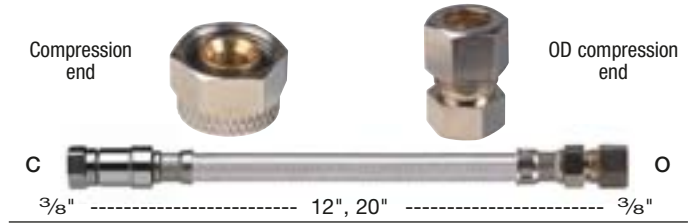


Braided Stainless Steel Faucet Connectors

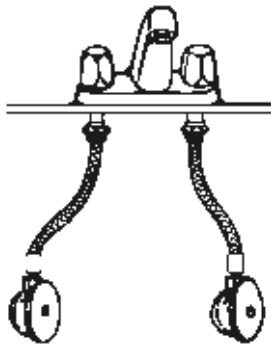
Max. Temperature 180°F/Max. Pressure 125psi

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.

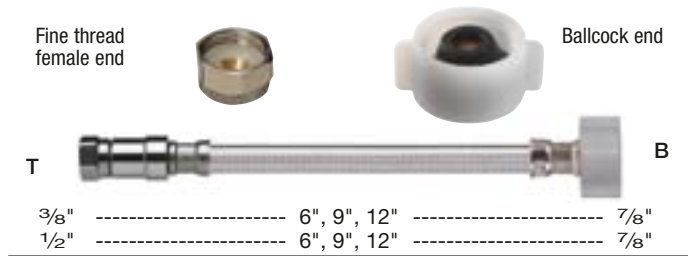
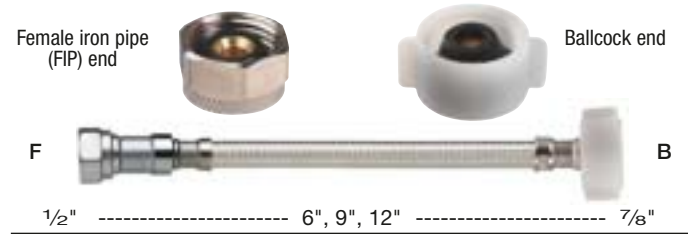
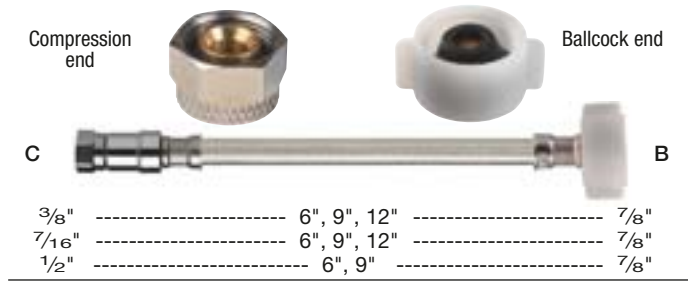
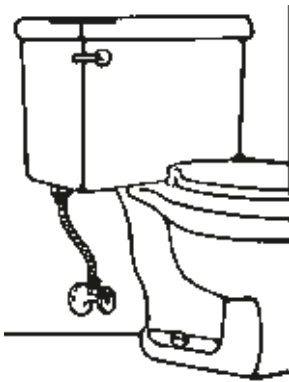
Max. Temperature 180°F/Max. Pressure 125psi

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.

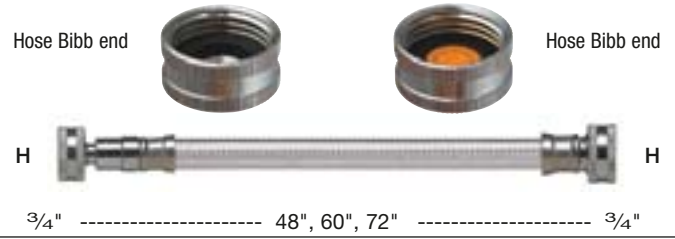
Max. Temperature 180°F/Max. Pressure 125psi

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.)

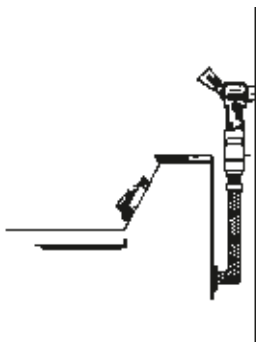
Performance is accurate to the 80psi Maximum system pressure as required by national plumbing codes.

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.

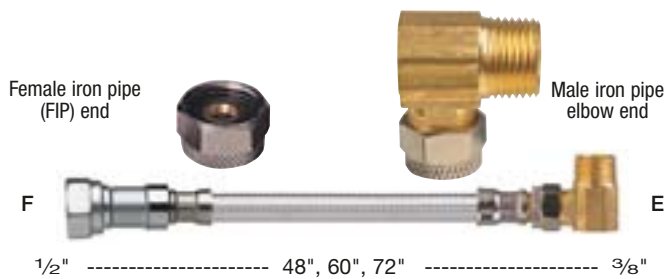
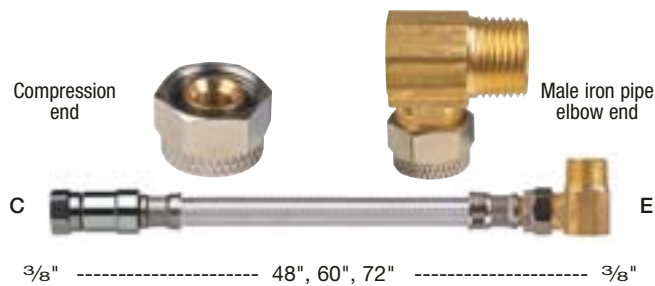
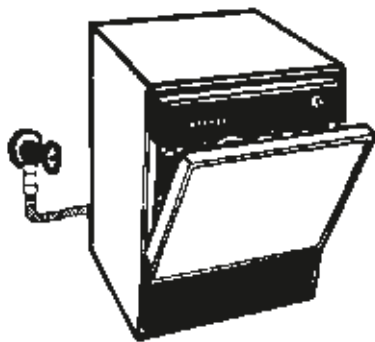
They provide cost effective installation, and since all models are supplied with an elbow fitting, you will not arrive at the jobsite without the proper fitting.

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

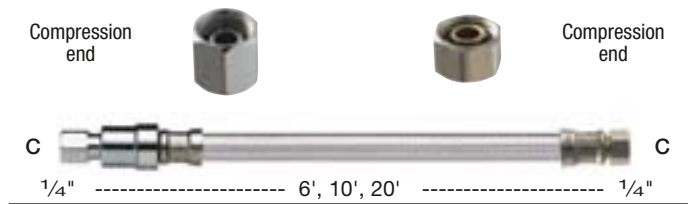
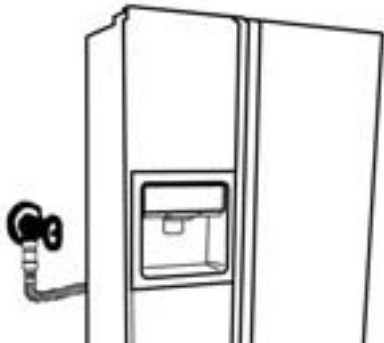
Series FS-CIC-S 
Braided Stainless Steel Ice Maker Connectors

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.

For Technical Assistance Call Your Authorized Watts Agent.

			Telephone #	Fax #
	HEADQUARTERS: Watts Regulator Company	815 Chestnut St., North Andover, MA 01845-6098 U.S.A.	978 688-1811	978 794-1848
North East	Edwards, Platt & Deely, Inc.	271 Royal Ave., Hawthorne, NJ 07506	973 427-2898	973 427-4246
	Edwards, Platt & Deely, Inc.	368 Wyandanch Ave., North Babylon, NY 11703	631 253-0600	631 253-0303
	W. P. Haney Co., Inc.	51 Norfolk Ave., South Easton, MA 02375	508 238-2030	508 238-8353
	WMS Sales, Inc. (Main office)	9580 County Rd., Clarence Center, NY 14032	716 741-9575	716 741-4810
Mid Atlantic	J. B. O'Connor Company, Inc. RMI	P.O. Box 12927, Pittsburgh, PA 15241 Glenfield Bus. Ctr., 2535 Mechanicsville Tpk., Richmond, VA 23223	724 745-5300 804 643-7355	724 745-7420 804 643-7380
	The Joyce Agency, Inc.	8442 Alban Rd., Springfield, VA 22150	703 866-3111	703 866-2332
	Vernon Bitzer Associates, Inc.	980 Thomas Drive, Warminster, PA 18974	215 443-7500	215 443-7573
South East	Billingsley & Associates, Inc.	2728 Crestview Ave., Kenner, LA 70062-4829	504 602-8100	504 602-8106
	Billingsley & Associates, Inc.	478 Cheyenne Lane, Madison, MS 39110	601 856-7565	601 856-8390
	Francisco J. Ortiz & Co., Inc.	Charlyn Industrial Pk., Road 190 KM1.9 - Lot #8, Carolina, Puerto Rico 00983	787 769-0085	787 750-5120
	Mid-America Marketing, Inc.	203 Industrial Drive, Birmingham, AL 35211	205 879-3469	205 870-5027
	Mid-America Marketing, Inc.	1364 Foster Avenue, Nashville, TN 37210	615 259-9944	615 259-5111
	Mid-America Marketing, Inc.	5466 Old Hwy. 78, Memphis, TN 38118	901 795-0045	901 795-0394
	Smith & Stevenson Co., Inc.	4935 Chastain Ave., Charlotte, NC 28217	704 525-3388	704 525-6749
Harry Warren, Inc.	1400 North Orange Blossom Trail, Orlando, FL 32804	407 841-9237	407 841-9246	
Watts Georgia	2861-B Bankers Industrial Drive, Atlanta, GA 30360	770 209-3310	770 447-4583	
North Central	Dave Watson Associates	1325 West Beecher, Adrian, MI 49221	517 263-8988	517 263-2328
	Disney McLane & Associates	428 McGregor Ave., Cincinnati, OH 45206	800 542-1682	877 476-1682
	BWA Company	17610 S. Waterloo Rd., Cleveland, OH 44119	216 486-1010	216 486-2860
	Mid-Continent Marketing Services Ltd.	1724 Armitage Ct., Addison, IL 60101	630 953-1211	630 953-1067
	Soderholm & Associates, Inc.	7150 143rd Ave. N.W., Anoka, MN 55303	763 427-9635	763 427-5665
Stickler & Associates	333 North 121 St., Milwaukee, WI 53226	414 771-0400	414 771-3607	
South Central	Hugh M. Cunningham, Inc.	13755 Benchmark, Dallas, TX 75234	972 888-3808	972 888-3838
	HMC Sandia Group	13755 Benchmark, Dallas, TX 75234	505 222-3134	800 339-0191
	Mack McClain & Associates	4407 Meramec Bottom, Suite G, St. Louis, MO 63129	314 894-8188	314 894-8388
	Mack McClain & Associates, Inc.	1450 NE 69th Place, Ste. 56 Ankeny, IA 50021	515 288-0184	515 288-5049
	Mack McClain & Associates, Inc.	15090 West 116th St., Olathe, KS 66062	913 339-6677	913 339-9518
OK! Sales, Inc.	214-A NE 12th., Moore, OK 73160	405 794-5200	405 794-5250	
Western	Delco Sales, Inc.	1930 Raymer Ave., Fullerton, CA 92833	714 888-2444	714 888-2448
	Delco Sales, Inc.	111 Sand Island Access Rd., Unit I-10, Honolulu, HI 96819	808 842-7900	808 842-9625
	Fanning & Associates, Inc.	6765 Franklin St., Denver, CO 80229-7111	303 289-4191	303 286-9069
	Hollabaugh Brothers & Associates	6915 South 194th St., Kent, WA 98032	253 867-5040	253 867-5055
	Hollabaugh Brothers & Associates	3028 S.E. 17th Ave., Portland, OR 97202	503 238-0313	503 235-2824
	P I R Sales, Inc.	3050 North San Marcos Place, Chandler, AZ 85225	480 892-6000	480 892-6096
	Preferred Sales	31177 Wiegman Road, Hayward, CA 94544	510 487-9755	510 476-1595
	R. E. Fitzpatrick Sales, Inc.	4109 West Nike Dr. (8250 South), West Jordan, UT 84088	801 282-0700	801 282-0600
Canada	Watts Industries (Canada) Inc. (Watts Regulator Co. Division)	5435 North Service Road, Burlington, Ontario L7L 5H7	905 332-4090	905 332-7068
	Con-Cur West Marketing, Inc.	71B Clipper Street, Coquitlam, British Columbia V3K 6X2	604 540-5088	604 540-5084
	D.C. Sales Ltd.	#10-6130 4th St. S.E., Calgary, Alberta T2H 2B6	403 253-6808	403 259-8331
	D.C. Sales Ltd.	16726 111 Ave, Edmonton, Alberta T5M 2S6	780 496-9495	780 496-9621
	GTA Sales Team.	Greater Toronto Area	888 208-8927	888 479-2887
	Hydro-Mechanical Sales, Ltd.	3700 Joseph Howe Drive, Suite 1, Halifax, Nova Scotia B3L 4H7	902 443-2274	902 443-2275
	Hydro-Mechanical Sales, Ltd.	P.O. Box 1445 (Mailing), 297 Collishaw St., Suite 7 (shipping) Moncton, New Brunswick E1C 9R2	506 859-1107	506 859-2424
	J.D.S. Sales Ltd.	4 Lancaster Street, St. John's, Newfoundland A1A 5P7	709 579-5771	709 579-1558
	Les Ent. Roland Lajoie	6221 Marivaux, St-Leonard, QC H1P 3H6	514 328-6645	514 328-6131
	Les Ent. Roland Lajoie	23 du Buisson, Pont Rouge, QC G3H 1X9	418 873-2500	418 873-2505
	Mar-Win Agencies, Ltd.	1333 Clifton St., Winnipeg, Manitoba R3E 2V1	204 775-8194	204 786-8016
	Northern Mechanical Sales	P.O. Box 280 (mailing) 163 Pine St. (shipping), Garson, Ontario P3L 1S6	705 693-2715	705 693-4394
Palser Enterprises, Ltd.	P.O. Box 28136 (mailing), 1885 Blue Heron Dr., #4, London, Ontario N6H 5L9	519 471-9382	519 471-1049	
RAM Mechanical Marketing Inc.	1401 St. John Street, Regina, Saskatchewan S4R 1S5	306 525-1986	306 525-0809	
RAM Mechanical Marketing Inc.	510 Ave M South, Saskatoon, Saskatchewan S7M 2K9	306 244-6622	306 244-0807	
Walmart Mechanical Sales	24 Gurdwara Rd., Nepean, Ontario K2E 8B5	613 225-9774	613 225-0673	
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