# Series 7 Dual Check Backflow Preventers



# Protecting the Public Water Supply

Both public water supply officials and consumers need to protect the public supply of safe drinking water. As a public water supply professional, you need to do everything in your power to prevent the reverse flow associated with:

- Main line flushing (maintenance)
- Firefighting (emergency)
- Main line rupture or blowout (disaster)

Such activities and occurrences can siphon domestic water systems, drawing every conceivable fluid connected to the user's system back into the public water supply.

Series 7 Backflow Preventers provide cost-effective backflow protection of the public water supply when used according to the local or state plumbing code requirements. As part of your comprehensive containment program, you should require the installation of a Series 7 unit as a condition for the user to receive service from the public water system. This three-step program should ideally include:

#### The first line of defense

The user certifies that his/her domestic water system complies with the local plumbing codes.

#### The second line of defense

The user installs a dual check backflow preventer at the water meter as prescribed by the supplier of safe drinking water.

#### The third line of defense - education

The supplier of water provides educational material that teaches the user how to avoid contaminating or polluting the drinking water once it has entered his domestic water system.

### Series 7 Dual Check Backflow Preventers from Watts

To ensure the safety of drinking water, there can be no room for compromise. That's why Watts provides the incomparable Series 7 Backflow Preventers with dual check security. Installed at the residential water meter or service entrance, Series 7 Backflow Preventers offer:

- Low pressure drop
- Easy maintenance and service
- · Wide selection of types, sizes, and connections

Our unique check modules put our Series 7 Backflow Preventers distinctly ahead of other residential containment devices. With their innovative design, most Series 7 models offer a full range of features, including:

- Chloramine resistance for long life under the harshest water conditions
- Complete modularity for easy maintenance
- Limit stops to prevent damage from thermal expansion
- Center and edge guides to ensure repeatable seating and minimize localized wear
- No exposed screws or threads to eliminate corrosion potential and improve serviceability

Of course, Series 7 Dual Check Backflow Preventers embody the quality engineering of Watts, a world leader in valve technology. And you have the confidence of knowing the Series 7 are ASSE 1024 and CSA B64.6 Certified. So when you need to be sure you have the most reliable residential containment products, specify Watts Series 7 backflow preventers.

	Model/Series						
Features	7	L7	07S	7B	7C	CU7	
Center Stem Guides	•	•	•	•	•	•	
Edge Guides	•		•	•	•	•	
Chloramine Resistant Components	•	•	•	•	•	•	
Modular Design	•		•	•	•	•	
Limit Stops	•	•	•			•	
Stainless Steel Springs	•	•	•	•	•	•	
Replaceable Seats			•	•	•	•	
No Exposed Screws Or Threads	•	•	•	•	•	•	



#### Now Available with CPVC ends

# Series 7 Dual Check Backflow Preventers

#### Sizes: 1/2" - 11/4" (15 - 32mm)

Available with an extensive combination of inlet/outlet sizes, types of thread, and end connections –including retrofit compression fittings and hose connections–the Series 7 can be installed in a variety of piping configurations, and in conjunction with a wide range of meter horns, copper setters, and meter boxes.

#### Description

The straight line, poppet-type construction of the Series 7 minimizes pressure drop and provides smooth flow characteristics. It can be installed horizontally or vertically. It is not adversely affected by normal line pressure surges, will not cause water hammer, and operates without chatter or vibration.

#### Standards

Tested and certified to meet ANSI/ASSE Standard 1024. CSA Certified to Standard No. B64.6. Important: Inquire with governing



authorities for local installation requirements.

#### Specifications

The dual check backflow preventer shall meet the domestic requirements of ANSI/ASSE Standard 1024, and bear the seal of approval. It shall be bronze-bodied and include not less than one union, with the union nut drilled to accept a tamper-proofing lock wire. A brass identification tag indicating direction of flow shall be securely attached to the valve body by corrosionresistant mechanical fasteners. The dual check shall be Watts Regulator Company Series 7. (Please select the model best suited to your application.)

#### Materials

Cast bronze body, durable plastic check modules, injection molded of acetyl resin and PPO, silicone discs and Buna 'N' seals, stainless steel springs, one union and O-ring union seal. (¾" size also available in brass. See Series 7B p.7)

#### **Product Availabilities**

Series 7: Inlet/Outlet Connections - Types available, ordering code, sizes available.

-		31	,		
	Connection	Connection	Sizes Available		
	Туре	Code	inches	mm	
	National Pipe Thread Female	2	1/2, 3/4, 1	15, 20, 25	
	National Pipe Thread Male	3	1/2, 3/4, 1, 11/4	15, 20, 25, 32	
	Meter Thread Female*	4	3/4, 1, 11/4	20, 25, 32	
	Meter Thread Male*	5	3/4, 1, 11/4	20, 25, 32	
	Pack Joint Female	6	3⁄4, 1	20, 25	
	Pack Joint Male	7	3⁄4, 1	20, 25	
	Female Solder	8	3⁄4, 1	20, 25	
	Male Solder	9	3/4, 1	20, 25	
	Female Meter Thread (Swivel)	10	3/4, 1, 11/4	20, 25, 32	
	Male Hose Thread	11	3/4	20	
	Female Hose Thread	12	3/4	20	
	Male Meter Yoke Thread	13	3/4	20	
	PEX	15	1/2, 3/4, 1	15, 20, 25	
	CPVC	16	1/2, 3/4, 1	15, 20, 25	

\*See "How To Order" on pages 10, 11.

Union (U) Connections available on all inlet/outlet types and sizes.







#### Pressure / Temperature

Maximum Pressure: 150psi (10 bars). Minimum Pressure: 10psi (69 kPa). Working Temperature: 33°F – 140°F sustained; intermittent to 180°F (0.6°C – 60°C sustained; intermittent to 82.2°C)



# Series L7

# In-Line Testable/Serviceable Dual Check Backflow Preventers

Sizes: 3/4" and 1" (20 and 25mm)

#### Description

The ideal solution for residential containment applications that require in-line testable and serviceable dual check backflow preventers.

#### Standards

Tested and certified to meet ANSI/ASSE Standard 1024.

**Important:** Inquire with governing authorities for local installation requirements.

#### Specifications

The dual check backflow preventer shall be designed under the ASSE Standard 1024. It shall be bronze-bodied with top and bottom guided plastic check assemblies. The dual check shall have three plugged test ports and shall be capable of being tested in-line. Dual check shall have two top-mounted covers for in-line service. Check assembly shall be designed without screws located within the waterway and shall be fully guided throughout its range of travel. Dual check shall be Watts Regulator Company Series L7. (Please select the model best suited to your application.)

#### Materials

Cast bronze body, plastic check assemblies, silicone discs and stainless steel springs.

#### **Product Availabilities**

Series L7: Inlet Connections - Types available, ordering code, sizes available

Connection	Connection	Sizes Available		
Туре	Code	inches	mm	
National Pipe Thread Female	2	3/4, 1	20, 25	
National Pipe Thread Male	3	3/4, 1	20, 25	
Meter Thread Female *	4	3/4, 1	20, 25	
Meter Thread Male *	5	3/4, 1	20, 25	
Pack Joint Female	6	3⁄4, 1	20, 25	
Pack Joint Male	7	3/4, 1	20, 25	
Female Solder	8	3/4, 1	20, 25	
Male Solder	9	3/4, 1	20, 25	
Female Meter Thread (Swivel)	10	3/4, 1	20, 25	
Male Hose Thread	11	3/4, 1	20, 25	
Female Hose Thread	12	3/4, 1	20, 25	

Series L7: Outlet Connections - Types available, ordering code, sizes available

National Pipe Thread Female	2	3/4, 1	20, 25
Meter Thread Female	4	3/4, 1	20, 25
Female Hose Thread	12	3/4	20

See "How To Order" on pages 10 & 11.

Union (U) Connections available on all inlet/outlet types and sizes.





#### Pressure / Temperature

Maximum Pressure: 175psi (12 bars). Minimum Pressure: 10psi (69 kPa). Working Temperature: 33°F – 140°F sustained; intermittent to 180°F (0.6°C – 60°C sustained; intermittent to 82.2°C).

\* When ordering Series 7 Valves with Meter Thread Connections be sure to order the meter connections one size larger than meter.

#### Examples:

For  ${\prime\!\!\!/}{2^{"}}$  (15mm) and  ${5\!\!\!\%}"$  (16mm) water meter; order  ${4\!\!\!\%}"$  (20mm) meter thread connection.

For 5%" (16mm) and 34" (20mm) water meter; order 1" (25mm) meter thread connection.

For 1" (25mm) water meter; order 11/4" (32mm) meter thread connection.



S	ize	A		59.24	B	E		E F		Weight	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
3/4	20	5¾	146	25/8	67	47/8	124	3/4	19	2.3	1.0
1	25	5¾	146	25/8	67	415/16	124	1	25	2.3	1.0

# Series 07S

# Residential Fire Sprinkler System Dual Check Backflow Preventers

Size: 1" and 11/4" (25 and 32mm)

#### Description

Installed at the residential fire sprinkler service connection to the main, Series 07S Dual Check Backflow Preventers protect the water supply against polluted water being siphoned back from the sprinkler system.

#### Standards

Tested and certified under ANSI/ASSE Standard 1024, CSA Certified to Standard No. B64.6, UL Classified file # EX3185, and complies with



NFPA Standard 13D for flow requirements to residential fire sprinklers. (1" Size only female by female end connections.) **Important:** Inquire with governing authorities for local installation requirements.

#### Specification

The dual check backflow preventer shall meet the requirements of ANSI/ASSE Standard 1024 and be UL Classified. It shall be bronze-bodied and feature replaceable seats and silicone seat discs. The springs shall be captured to prevent injury. The valve shall be capable of flow rate in excess of 50 gpm. Pressure drop at 30 gpm shall not exceed 6psi. An identification tag shall be securely attached to the body by corrosion-resistant mechanical fasteners and a union connection shall be provided. The dual check shall be Watts Regulator Company Series 07S.

#### Materials

Cast bronze body, durable plastic check modules, silicone discs and Buna 'N' seals, stainless steel springs, one union and Oring union seal.

#### **Product Availabilities**

Series 07S: Inlet Connections - Types available, ordering code, sizes available

Connection	Connection	Sizes Av	ailable
Туре	Code	inches	mm
Meter Thread Female	4	1, 11/4	25, 32
*National Pipe Thread Female	2	1, 11/4	25, 32
Series 07S: Outlet Connections - T	ypes available, ord	ering code, s	izes available
Meter Thread Male	5	1, 11/4	25, 32
National Pipe Thread Male	3	1, 11/4	25, 32
*National Pipe Thread Female	2	1 (only)	25

See "How To Order" on pages 10, 11.

#### **Dimensions / Weight**











#### Pressure / Temperature

Maximum Pressure: 175psi (12 bars). Minimum Pressure: 10psi (69 kPa). Working Temperature: 33°F – 140°F sustained; intermittent to 180°F (0.6°C – 60°C sustained; intermittent to 82.2°C). Maximum recommended flow: 50 gpm (190 lpm).

\* The 1" 07S is standardly supplied with female end connections.

1	1	1	B	B1		B1 We		light	
in.	mm	in.	mm	in.	mm	lbs.	kgs.		
6¾	171	2 <sup>13</sup> /16	71	2	50	3	1.36		

# Series Cu7 **Copper-Bodied Dual Check Backflow Preventers**

Sizes: 1/2" - 1" (15 - 25mm)

#### Description

The straight line, poppet-type construction of the Cu7 minimizes pressure drop and provides smooth flow characteristics. It can be installed horizontally or vertically. The copper body of the Series Cu7 is lead free and is of a time proven durable material. All models are standardly furnished with double unions for ease of installation and repair.

#### Standards

Tested and certified to meet ANSI/ASSE Standard 1024. Tested and certified to ANSI/NSF standard 61.

NSF

#### Specifications

The dual check backflow preventer shall meet ASSE 1024. The valve body shall be of copper tube construction and shall be furnished with double unions to facilitate installation. The check module shall be of a modular design and shall include limit stops to prevent over compression or damage to the check valves due to water hammer or thermal expansion. Each check valve shall be both center and edge-guided to ensure repeatable seating and minimize localized wear. The dual check shall be Watts Regulator Company Series Cu7.

#### Materials

Copper body, corrosion resistant plastic check modules, silicone discs and Buna 'N' seals, stainless steel springs.

#### Pressure / Temperature

Maximum Pressure: 150psi (10 bars) Minimum Pressure: 10psi (69 kPa) Working Temperature: 33°F - 180°F (.6°C - 82°C) continuous

#### **Product Availabilities**

Series CU7: Inlet/Outlet Connections - Types available, ordering code, sizes available

Connection Type	Connection Code	Sizes inches	Available mm
National Pipe Thread Female	2	1/2", 3/4",1"	15, 20, 25
National Pipe Thread Male	3	1/2", 3/4",1"	15, 20, 25
Meter Thread Female*	4	3/4",1"	20, 25
Meter Thread Male*	5	3/4",1"	20, 25
Female Solder	8	3/4",1"	20, 25
Female Meter Thread (Swivel)	10	3⁄4",1"	20, 25
San "How to Order" on pages 10 1:	4		

See "How to Order" on pages 10, 11.









S	ize	in marine		A	L		Weight	
in.	mm	Model	in.	mm	in.	mm	lbs.	kg.
1/2	15	Cu7U2-U2	41/16	113	211/16	69	1.7	3.7
3/4	20	Cu7U2-U2	47/16	113	211/16	69	1.7	3.7
1	25	Cu7U2-U2	411/16	119	211/16	69	2.0	4.4

# Model 7B Dual Check Backflow Preventers (Brass)

Size: 3/4" (20mm)

#### Description

Dual Check Series 7B Backflow Preventers feature a similar design to Series 7 (see page 2), but are constructed of machined brass rather than bronze.

#### Standards

Tested to meet or exceed the performance requirements of ANSI/ASSE Standard 1024 for "Dual Check Valve Type Backflow Preventers."

**Important:** Inquire with governing authorities for local installation requirements.

#### Specifications

The dual check backflow preventer shall be installed at the water meter or service entrance to prevent reverse flow of water into the potable domestic water system. These devices shall consist of two independently-acting check valves, internally spring-loaded and center stem guided to a normally closed position with silicone discs. Designed and constructed to operate under intermittent or continuous pressure conditions. The dual check backflow preventer shall meet the domestic requirements of ANSI/ASSE Standard 1024. The dual check shall be Watts Regulator Company Model 7B.

#### Materials

Machined brass construction, durable plastic check modules, injection molded of acetyl resin, silicone discs, Buna 'N' seals, and stainless steel springs.

#### Pressure / Temperature

Maximum Pressure: 150psi (10 bars) Minimum Pressure: 10psi (69 kPa) Working Temperature: 33°F – 140°F constant; intermittent to 180°F (0.6°C – 60°C sustained; intermittent to 82.2°C) Maximum Recommended flow: 15 gpm (57 lpm)

#### **Product Availabilities**

Series 7B: Inlet Connections - Types available, ordering code, sizes available.

Connection Type	Connection Code	Sizes Av in.	ailable mm
(U) National Pipe Thread Female	2	3/4	20
Series 7B: Outlet Connection - Types	available, orderi	ng code, siz	es available.
National Pipe Thread Female	2	3/4	20

See "How to Order" on pages 10, 11.

Union (U) Connections available on all inlet/outlet types and sizes.











	A		B B1 Weigl		B1		B1 We		ight
in.	mm	in.	mm	in.	mm	lbs.	kgs.		
4	100	11/2	38	11/4	32	1.7	.49		

# **Series 7, 7C** Dual Check Backflow Preventer For In-Line Continuous Pressure Applications

Size: %" (10mm)

#### Description

The Dual Check Series 7C is ideally suited for in-line continuous pressure applications such as wash-down sinks or other applications in which a hose-type device, connected to the domestic water supply, can be submerged in a non-potable liquid.

#### Standards

7C is tested and certified to meet ANSI/ASSE Standard 1024 for "Dual Check Valve Type

Backflow Preventers." CSA Certified to Standard No. B64.6. **Important:** Inquire with governing authorities for local installation requirements.

#### Specifications

A dual check backflow preventer shall be installed at each wash sink hose unit or at referenced cross-connections to prevent the reverse flow of non-potable water into the potable domestic water system. These devices shall be chrome-plated brass consisting of two independently acting check valves, internally force-loaded to a normally closed position and designed and constructed to operate under intermittent or continuous pressure conditions. The backflow preventer shall be Watts Regulator Company Series 7C. (Please select the model best suited to your application.)

#### Models

- 7 Brass
- 7C Brass with chrome nickel plate finish
- H7, H7C With hose connection in brass or chrome nickel plate

#### Materials

Machined brass construction, chrome nickel plated body, EPR rubber check disc assemblies and Buna 'N' seals, stainless steel springs and pressure plates are standard.

#### **Product Availabilities**

Series 7C: Inlet Connections - Types available, ordering code, sizes available.

Connection	Connection	Sizes A	vailable						
Туре	Code	in.	mm						
(U) National Pipe Thread Female	2	3⁄8 10							
Series 7C: Outlet Connection – Types available, ordering code, sizes available.									
National Pipe Thread Female	2	3/8	10						

See "How to Order" on pages 10, 11.

Union (U) Connections available on all inlet/outlet types and sizes.







#### Pressure / Temperature

Maximum Pressure: 150psi (10 bars). Minimum Pressure: 10psi (69 kPa). Working Temperature: 33°F – 140°F constant; intermittent to 180°F (0.6°C – 60° C sustained; intermittent to 82.2° C). Maximum Recommended Flow: 15gpm (57lpm)



## **Solving Thermal Expansion Problems**

By installing a backflow preventer on any residential water system, you create a closed system that won't accommodate thermal expansion. However, Watts offers several solutions to help you relieve excess pressure due to thermal expansion.



#### Watts® Governor 80 Ball Cock & Relief Valve

A triple purpose product featuring a toilet tank ball cock fill valve, anti-siphon backflow preventer, and a thermal expansion relief valve.

The Governor 80 eliminates the need for expansion tanks, auxiliary relief valves, and their discharge lines by governing and limiting the pre-set static pressure in the domestic water system to 80psi, as required by plumbing codes.

- Maximum operating temperature: 110°F (43°C)
- FDA Approved
- Standard heights: 10", 111/2", 121/2" (250, 292, 318mm)
- ASSE 1002





#### Series DET Potable Water Expansion Tank For Domestic Hot Water Systems

An expansion tank designed to absorb the increased volume of water created when water in a storage tank is heated. By doing so, the DET keeps the system pressure below the relief setting of the Temperature and Pressure relief valve.

- Pre-pressurized steel tank with expansion membrane that prevents contact of water and air, ensuring longlife for the system
- · Thermally-fused epoxy liner
- · In-line and free standing models available
- Listed by IAPMO
- Field-adjustable pre-charge





#### Series 530C Pressure Relief Valve

Designed to effectively relieve pressure due only to thermal expansion in a closed system. Furnished without a lever.

Adjustment Pressure Range: 50 – 175psi (3 – 12 bars)



**IMPORTANT:** On all installations, inquire with governing authorities for local requirements.

# **HOW TO ORDER**

Watts Dual Check Backflow Preventers can be specified in many different combinations of connection types, sizes, and union options. See ordering example below.



# Series 7



7U2-2 3/4" (20mm) x 3/4" (20mm) shown

\* When ordering Series 7 Valves with Meter Thread Connections, be sure to order connection size one size larger than meter thread. Examples:

Meter Size	Order
1/2" (15mm) and 5/8" (16mm)	3⁄4" (20mm)
5/8" (16mm) and 3/4" (20mm)	1" (25mm)
1" (25mm)	1¼" (32mm)

Series 7: Inlet/Outlet Connections - Types available, ordering code, sizes available.				
Connection	Connection	Sizes Available		
Туре	Code	inches	mm	
National Pipe Thread Female	2	1/2, 3/4, 1	15, 20, 25	
National Pipe Thread Male	3	1/2, 3/4. 1, 11/4	15, 20, 25, 32	
Meter Thread Female*	4	3/4. 1, 11/4	20, 25, 32	
Meter Thread Male*	5	3/4. 1, 11/4	20, 25, 32	
Pack Joint Female	6	3/4, 1	20, 25	
Pack Joint Male	7	3/4. 1	20, 25	
Female Solder	8	3/4, 1	20, 25	
Male Sweat	9	3/4, 1	20, 25	
Female Meter Thread (Swivel)	10	3/4. 1, 11/4	20, 25, 32	
Male Hose Thread	11	3/4	20	
Female Hose Thread	12	3/4	20	
Male Meter Yoke Thread	13	3/4	20	
PEX	15	1/2, 3/4, 1	15, 20, 25	
CPVC	16	1/2, 3/4, 1	15, 20, 25	
Union (U) Connections available on all inlet/outlet types and sizes.				
7 -			X '"	

# Series L7



L7U2-2 1" (25mm) x 1" (25mm) shown

\* When ordering Series L7 Valves with Meter Thread Connections, be sure to order connection one size larger than meter thread. Examples:

n)

m)

Meter Size	Order
1/2" (15mm) and 5/8" (16mm)	3⁄4" (20mm)
5/8" (16mm) and 3/4" (20mm)	1" (25mm)
1" (25mm)	11⁄4" (32mm

#### Series L7: Inlet Connections - Types available, ordering code, sizes available

Connection Type	Connection Code	Sizes Av inches	vailable mm	
National Pipe Thread Female	2	3/4, 1	20, 25	
National Pipe Thread Male	3	3/4, 1	20, 25	
Meter Thread Female *	4	3/4, 1	20, 25	
Meter Thread Male *	5	3/4, 1	20, 25	
Pack Joint Female	6	3⁄4, 1	20, 25	
Pack Joint Male	7	3/4, 1	20, 25	
Female Solder	8	3/4, 1	20, 25	
Male Solder	9	3⁄4, 1	20, 25	
Female Meter Thread (Swivel)	10	3/4, 1	20, 25	
Male Hose Thread	11	3/4, 1	20, 25	
Female Hose Thread	12	3/4, 1	20, 25	
Series L7: Outlet Connections - Types available, ordering code, sizes available				
National Pipe Thread Female	2	3/4, 1	20, 25	
Meter Thread Female	4	3/4, 1	20, 25	
Female Hose Thread	12	3/4	20	

Union (U) Connections available on all inlet/outlet types and sizes

(N/A)

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### Series 07S



## Series Cu7



\* When ordering Series CU7 Valves with Meter Thread Connections, be sure to order connection one size larger than meter thread. Examples:

Meter Size	Order
1/2" (15mm) and 5/8" (16mm)	3⁄4" (20mm)
5%" (16mm) and 3/4" (20mm)	1" (25mm)

### Model 7B



Series 07S: Inlet Connections - Types available, ordering code, sizes available

Connection Type	Connection Code	Sizes Ava inches	ailable mm		
Meter Thread Female	4	1, 11/4	25, 32		
National Pipe Thread Male	2	1, 11/4	25, 32		
Series 07S: Outlet Connections - Types available, ordering code, sizes available					
Meter Thread Male	5	1, 11/4	25, 32		
National Pipe Thread Male	3	1, 11/4	25, 32		

Union (U) Connections available on all inlet/outlet types and sizes



Series CU7: Inlet/Outlet Connections - Types available, ordering code, sizes available

Connection	Connection	Sizes Available	
Туре	Code	inches	mm
National Pipe Thread Female	2	1/2", 3/4",1"	15, 20, 25
National Pipe Thread Male	3	1/2", 3/4", 1"	15, 20, 25
Meter Thread Female*	4	3⁄4",1"	20, 25
Meter Thread Male*	5	3/4",1"	20, 25
Female Solder	8	3⁄4",1"	20, 25
Female Meter Thread (Swivel)	10	3⁄4",1"	20, 25

See "How to Order" on pages 10, 11.

<u>CU7</u> <u>U</u> - <u>U</u> \_ " x \_"

Series 7B: Inlet Connections - Types available, ordering code, sizes available.

Connection	Connection	Sizes Ava	ailable	
Туре	Code	inches	mm	
(U) National Pipe Thread Female	2	3/4	20	
Series 7B: Outlet Connection - Types available, ordering code, sizes available.				
National Pipe Thread Female 2 3/4 20				
Union (U) Connections available on all inlet/outlet types and sizes.				



### Series 7, 7C



7U2-2 3/8" (10mm) x 3/8"(10mm) with 3/4" (20mm) HT adapter shown

Union Connections standard on inlet connection.  $\%^{*}$  (10mm) No. H7 or H7C is supplied with  $\%^{*}$  (20mm) H.T. adapters for  $\%^{*}$  (20mm) H.T. female inlet and  $\%^{*}$  (20mm) H.T. male outlet.

Series 7C: Inlet Connections - Types available, ordering code, sizes available.

Connection	Connection	Sizes Available	
Туре	Code	inches	mm
(U) National Pipe Thread Female	2	3/8	10

Series 7C: Outlet Connection – Types available, ordering code, sizes available.

 National Pipe Thread Female
 2
 3/s
 10

National Pipe Thread Female 2 3% Union (U) Connections available on all inlet/outlet types and sizes.

<u>7,7C</u> <u>2</u> <u>-</u> <u>2</u> <u>3/8<sup>II</sup></u> <u>x</u> <u>3/8<sup>II</sup></u> (10mm)

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# For Technical Assistance Call Your Authorized Watts Agent.

101	Teerinical Assistance C	an Tour Authonzed 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. Edwards, Platt & Deely, Inc. W. P. Haney Co., Inc.	271 Royal Ave., Hawthorne, NJ 07506 368 Wyandanch Ave., North Babylon, NY 11703 51 Norfolk Ave., South Easton, MA 02375	973 427-2898 631 253-0600 508 238-2030	973 427-4246 631 253-0303 508 238-8353
Mid Atlantic	J. B. O'Connor Company, Inc. RMI The Joyce Agency, Inc. Vernon Bitzer Associates, Inc. WMS Sales, Inc. (Main office)	P.O. Box 12927, Pittsburgh, PA 15241 Glenfield Bus. Ctr., 2535 Mechanicsville Tpk., Richmond, VA 23223 8442 Alban Rd., Springfield, VA 22150 980 Thomas Drive, Warminster, PA 18974 9580 County Rd., Clarence Center, NY 14032	724 745-5300 804 643-7355 703 866-3111 215 443-7500 716 741-9575	724 745-7420 804 643-7380 703 866-2332 215 443-7573 716 741-4810
South East	Billingsley & Associates, Inc. Billingsley & Associates, Inc. Francisco J. Ortiz & Co., Inc. Mid-America Marketing, Inc. Mid-America Marketing, Inc. Mid-America Marketing, Inc. Smith & Stevenson Co., Inc. Target Marketing Enterprises, Inc. Watts	2728 Crestview Ave., Kenner, LA 70062-4829 478 Cheyenne Lane, Madison, MS 39110 Charlyn Industrial Pk., Road 190 KM1.9 - Lot #8, Carolina, Puerto Rico 00983 203 Industrial Drive, Birmingham, AL 35211 1364 Foster Avenue, Nashville, TN 37210 5466 Old Hwy. 78, Memphis, TN 38118 4935 Chastain Ave., Charlotte, NC 28217 118 West Grant St., Building M, Orlando, FL 32806 2861-B Bankers Industrial Drive, Atlanta, GA 30360	504 602-8100 601 856-7565 787 769-0085 205 879-3469 615 259-9944 901 795-0045 704 525-3388 407 245-7838 770 209-3310	504 602-8106 601 856-8390 787 750-5120 205 870-5027 615 259-5111 901 795-0394 704 525-6749 407 245-7833 770 447-4583
North Central	Aspinall Associates, Inc. Dave Watson Associates Disney McLane & Associates BWA Company Mid-Continent Marketing Services Ltd. Soderholm & Associates, Inc. Stickler & Associates	6840 Hillsdale Court, Indianapolis, IN 46250 1325 West Beecher, Adrian, MI 49221 428 McGregor Ave., Cincinnati, OH 45206 17610 S. Waterloo Rd., Cleveland, OH 44119 1724 Armitage Ct., Addison, IL 60101 7150 143rd Ave. N.W., Anoka, MN 55303 333 North 121 St., Milwaukee, WI 53226	317 849-5757 517 263-8988 800 542-1682 216 486-1010 630 953-1211 763 427-9635 414 771-0400	317 845-7967 517 263-2328 877 476-1682 216 486-2860 630 953-1067 763 427-5665 414 771-3607
South Central	Hugh M. Cunningham, Inc. Mack McClain & Associates Mack McClain & Associates, Inc. Mack McClain & Associates, Inc. OK! Sales, Inc. Phoenix Marketing, Ltd.	13755 Benchmark, Dallas, TX 75234 11132 South Towne Square, Suite 202, St. Louis, MO 63123 1450 NE 69th Place, Ste. 56 Ankeny, IA 50021 15090 West 116th St., Olathe, KS 66062 2200 Blue Creek Dr., Norman, OK 73026 2416 Candelaria N.E., Albuquerque, NM 87107	972 888-3808 314 894-8188 515 288-0184 913 339-6677 405 360-6161 505 883-7100	972 888-3838 314 894-8388 515 288-5049 913 339-9518 405 360-0092 505 883-7101
Western	Delco Sales, Inc. Delco Sales, Inc. Fanning & Associates, Inc. Hollabaugh Brothers & Associates Hollabaugh Brothers & Associates P I R Sales, Inc. Preferred Sales R. E. Fitzpatrick Sales, Inc.	1930 Raymer Ave., Fullerton, CA 92833 111 Sand Island Access Rd., Unit I-10, Honolulu, HI 96819 6765 Franklin St., Denver, CO 80229-7111 6915 South 194th St., Kent, WA 98032 3028 S.E. 17th Ave., Portland, OR 97202 3050 North San Marcos Place, Chandler, AZ 85225 31177 Wiegman Road, Hayward, CA 94544 4109 West Nike Dr. (8250 South), West Jordan, UT 84088	714 888-2444 808 842-7900 303 289-4191 253 867-5040 503 238-0313 480 892-6000 510 487-9755 801 282-0700	714 888-2448 808 842-9625 303 286-9069 253 867-5055 503 235-2824 480 892-6096 510 476-1595 801 282-0600
Canada	Watts Industries (Canada) Inc. (Watts Regulator Co. Division) Con-Cur West Marketing, Inc. D.C. Sales, Ltd. GTA Sales, Ltd. GTA Sales Team. Hydro-Mechanical Sales, Ltd. Hydro-Mechanical Sales, Ltd. Hydro-Mechanical Sales, Ltd. Le Groupe B.G.T., Inc. Le Groupe B.G.T., Inc. Mar-Win Agencies, Ltd. Northern Mechanical Sales Palser Enterprises, Ltd. RAM Mechanical Marketing RAM Mechanical Marketing Walmar Mechanical Sales	<ul> <li>5435 North Service Road, Burlington, Ontario L7L 5H7</li> <li>#109-42 Fawcett Rd., Coquitlam, British Columbia V3K 6X9</li> <li>10-6130 4th St. S.E., Calgary, Alberta T2H 2A6</li> <li>11420 142 Street, Edmonton, Alberta T5M 1V1</li> <li>Greater Toronto Area</li> <li>3700 Joseph Howe Dr., Ste. 1 Halifax, Nova Scotia B3L 4H7</li> <li>297 Collishaw St., Ste. 7 (shipping) Moncton, New Brunswick E1C 9R2</li> <li>85 Tolt Rd., St. Phillips, Newfoundland A1B 3M7</li> <li>23 du Buisson, Pont Rouge, Quebec G3H 1X9</li> <li>86 des Enterprises #208, Boisbriand, Quebec J7G 2T3</li> <li>1333 Clifton St., Winnipeg, Manitoba R3E 2V1</li> <li>P.O. Box 280 (mailing) 163 Pine St. (shipping), Garson, Ontario P3L 1S6</li> <li>1885 Blue Heron Dr., #4, London, Ontario N6H 5L9</li> <li>1301 Winnipeg St., Regina, Saskatchewan S4R 1K2</li> <li>510 Ave M South, Saskatoon, Saskatchewan S7M 2K9</li> <li>24 Gurdwara Rd., Nepean, Ontario K2E 8B5</li> </ul>	905 332-4090 604 540-5088 403 253-6808 780 496-9495 888 208-8927 902 443-2274 506 859-1107 709 895-009 418 873-2800 418 873-2800 450 434-9010 204 775-8194 705 693-2715 519 471-9382 306 525-1986 306 244-6622 613 225-9774	905 332-7068 604 540-5084 403 259-8331 780 496-9621 888 479-2887 902 443-2275 506 859-2424 709 895-0091 418 873-2505 450 434-9848 204 786-8016 705 693-4394 519 471-1049 306 525-0809 306 244-0807 613 225-0673
0426	EXPORT Hdqtrs.: Watts Regulator Co.	815 Chestnut St., North Andover, MA 01845-6098 U.S.A.	978 688-1811	978 794-1848



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