Series 7 Dual Check Backflow Preventers

WATTS REGULATOR
www.wattsreg.com
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.

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.
Series 7

Dual Check Backflow Preventers

Sizes: ½" – 1¼" (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 corrosion-resistant 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.

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Pipe Thread Female</td>
<td>2</td>
<td>½, ¾, 1</td>
</tr>
<tr>
<td>National Pipe Thread Male</td>
<td>3</td>
<td>½, ¾, 1, 1¼</td>
</tr>
<tr>
<td>Meter Thread Female*</td>
<td>4</td>
<td>¾, 1, 1¼</td>
</tr>
<tr>
<td>Meter Thread Male*</td>
<td>5</td>
<td>¾, 1, 1¼</td>
</tr>
<tr>
<td>Pack Joint Female</td>
<td>6</td>
<td>¾, 1</td>
</tr>
<tr>
<td>Pack Joint Male</td>
<td>7</td>
<td>¾, 1</td>
</tr>
<tr>
<td>Female Solder</td>
<td>8</td>
<td>¾, 1</td>
</tr>
<tr>
<td>Male Solder</td>
<td>9</td>
<td>¾, 1</td>
</tr>
<tr>
<td>Female Meter Thread (Swivel)</td>
<td>10</td>
<td>¾, 1, 1¼</td>
</tr>
<tr>
<td>Male Hose Thread</td>
<td>11</td>
<td>¾</td>
</tr>
<tr>
<td>Female Hose Thread</td>
<td>12</td>
<td>¾</td>
</tr>
<tr>
<td>Male Meter Yoke Thread</td>
<td>13</td>
<td>¾</td>
</tr>
<tr>
<td>PEX</td>
<td>15</td>
<td>½, ¾, 1</td>
</tr>
<tr>
<td>CPVC</td>
<td>16</td>
<td>½, ¾, 1</td>
</tr>
</tbody>
</table>

*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)

Dimensions / Weight

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>B1</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
<td>mm</td>
<td>in.</td>
<td>mm</td>
</tr>
<tr>
<td>4½</td>
<td>110</td>
<td>2¾</td>
<td>58</td>
</tr>
</tbody>
</table>
Series L7
In-Line Testable/Serviceable Dual Check Backflow Preventers
Sizes: ¾" 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

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Pipe Thread Female</td>
<td>2</td>
<td>¾, 1</td>
</tr>
<tr>
<td>National Pipe Thread Male</td>
<td>3</td>
<td>¾, 1</td>
</tr>
<tr>
<td>Meter Thread Female *</td>
<td>4</td>
<td>¾, 1</td>
</tr>
<tr>
<td>Meter Thread Male *</td>
<td>5</td>
<td>¾, 1</td>
</tr>
<tr>
<td>Pack Joint Female</td>
<td>6</td>
<td>¾, 1</td>
</tr>
<tr>
<td>Pack Joint Male</td>
<td>7</td>
<td>¾, 1</td>
</tr>
<tr>
<td>Female Solder</td>
<td>8</td>
<td>¾, 1</td>
</tr>
<tr>
<td>Male Solder</td>
<td>9</td>
<td>¾, 1</td>
</tr>
<tr>
<td>Female Meter Thread (Swivel)</td>
<td>10</td>
<td>¾, 1</td>
</tr>
<tr>
<td>Male Hose Thread</td>
<td>11</td>
<td>¾, 1</td>
</tr>
<tr>
<td>Female Hose Thread</td>
<td>12</td>
<td>¾, 1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Pipe Thread Female</td>
<td>2</td>
<td>¾, 1</td>
</tr>
<tr>
<td>Meter Thread Female</td>
<td>4</td>
<td>¾, 1</td>
</tr>
<tr>
<td>Female Hose Thread</td>
<td>12</td>
<td>¾, 1</td>
</tr>
</tbody>
</table>

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).

Examples:
For ⅝" (15mm) and ¾" (16mm) water meter; order 3⁄4" (20mm) meter thread connection.
For ¾" (16mm) and 1" (20mm) water meter; order 1" (25mm) meter thread connection.
For 1" (25mm) water meter; order 1½" (32mm) meter thread connection.

Dimensions / Weight

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>E</th>
<th>F</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>⅞</td>
<td>20</td>
<td>5</td>
<td>146</td>
<td>67</td>
<td>4</td>
</tr>
<tr>
<td>1</td>
<td>25</td>
<td>5</td>
<td>146</td>
<td>67</td>
<td>4</td>
</tr>
</tbody>
</table>
Series 07S
Residential Fire Sprinkler System
Dual Check Backflow Preventers
Size: 1" and 1½" (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 6 psi. 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 O-ring union seal.

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

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meter Thread Female</td>
<td>4</td>
<td>1, 1½ 25, 32</td>
</tr>
<tr>
<td>*National Pipe Thread Female</td>
<td>2</td>
<td>1, 1½ 25, 32</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meter Thread Male</td>
<td>5</td>
<td>1, 1½ 25, 32</td>
</tr>
<tr>
<td>National Pipe Thread Male</td>
<td>3</td>
<td>1, 1½ 25, 32</td>
</tr>
<tr>
<td>*National Pipe Thread Female</td>
<td>2</td>
<td>1 (only) 25</td>
</tr>
</tbody>
</table>

See “How To Order” on pages 10, 11.

Dimensions / Weight

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>B1</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>6¼</td>
<td>17</td>
<td>2½</td>
<td>3</td>
</tr>
</tbody>
</table>

Pressure / Temperature
Maximum Pressure: 175 psi (12 bars), Minimum Pressure: 10 psi (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.
Series Cu7
Copper-Bodied Dual Check Backflow Preventers
Sizes: ½" – 1" (15 – 25mm)

Description
The straight line, poppet-type construction of the Cu7 mini-
mizes 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.

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 repeat-
able 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

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Pipe Thread Female</td>
<td>2</td>
<td>¼&quot;, ½&quot;, 1&quot;</td>
</tr>
<tr>
<td>National Pipe Thread Male</td>
<td>3</td>
<td>¼&quot;, ½&quot;, 1&quot;</td>
</tr>
<tr>
<td>Meter Thread Female*</td>
<td>4</td>
<td>¾&quot;, 1&quot;</td>
</tr>
<tr>
<td>Meter Thread Male*</td>
<td>5</td>
<td>¾&quot;, 1&quot;</td>
</tr>
<tr>
<td>Female Solder</td>
<td>8</td>
<td>¾&quot;, 1&quot;</td>
</tr>
<tr>
<td>Female Meter Thread (Swivel)</td>
<td>10</td>
<td>¾&quot;, 1&quot;</td>
</tr>
</tbody>
</table>

See “How to Order” on pages 10, 11.

Dimensions / Weight

<table>
<thead>
<tr>
<th>Size</th>
<th>Model</th>
<th>A</th>
<th>L</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>½</td>
<td>Cu7U2-U2</td>
<td>47/8</td>
<td>113</td>
<td>21/4</td>
</tr>
<tr>
<td>¾</td>
<td>Cu7U2-U2</td>
<td>47/8</td>
<td>113</td>
<td>21/4</td>
</tr>
<tr>
<td>1</td>
<td>Cu7U2-U2</td>
<td>47/8</td>
<td>119</td>
<td>21/4</td>
</tr>
</tbody>
</table>

Bar psi | gpm | lpm |
<table>
<thead>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>16</td>
<td>51</td>
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<tr>
<td>1.25</td>
<td>12</td>
<td>38</td>
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<td>6</td>
<td>19</td>
</tr>
<tr>
<td>0.5</td>
<td>4</td>
<td>12</td>
</tr>
</tbody>
</table>

Bar psi | gpm | lpm |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>16</td>
<td>51</td>
</tr>
<tr>
<td>1.25</td>
<td>12</td>
<td>38</td>
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<td>0.75</td>
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<td>19</td>
</tr>
<tr>
<td>0.5</td>
<td>4</td>
<td>12</td>
</tr>
</tbody>
</table>
Model 7B
Dual Check Backflow Preventers (Brass)

Size: ¾" (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.

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>(U) National Pipe Thread Female</td>
<td>2</td>
<td>¼, 20</td>
</tr>
</tbody>
</table>

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

| National Pipe Thread Female | 2               | ¼, 20           |

See “How to Order” on pages 10, 11.
Union (U) Connections available on all inlet/outlet types and sizes.

Dimensions / Weight

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>B1</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>100</td>
<td>1½</td>
<td>38</td>
</tr>
</tbody>
</table>
Series 7, 7C
Dual Check Backflow Preventer
For In-Line Continuous Pressure Applications
Size: 3⁄8" (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.

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Pipe Thread Female</td>
<td>2</td>
<td>3⁄8 10</td>
</tr>
</tbody>
</table>

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)

Dimensions / Weight

<table>
<thead>
<tr>
<th>A</th>
<th>B1</th>
</tr>
</thead>
<tbody>
<tr>
<td>3⁄8</td>
<td>1 1⁄4</td>
</tr>
</tbody>
</table>

Weight:

<table>
<thead>
<tr>
<th>oz</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>gm</td>
<td>284</td>
</tr>
</tbody>
</table>
**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.

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**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", 11½", 12½" (250, 292, 318mm)
- ASSE 1002

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**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

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**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)

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**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.

<table>
<thead>
<tr>
<th>Specify Series No.</th>
<th>Specify “U” if union inlet is desired</th>
<th>Specify inlet connection code</th>
<th>Specify “U” if union outlet is desired</th>
<th>Specify outlet connection code</th>
<th>Specify inlet connection size</th>
<th>Specify outlet connection size</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td></td>
<td>2</td>
<td></td>
<td>2</td>
<td>¾” (20mm)</td>
<td>¾” (20mm)</td>
</tr>
</tbody>
</table>

**Series 7**

7U2-2 ¾” (20mm) x ¾” (20mm) shown

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

<table>
<thead>
<tr>
<th>Meter Size</th>
<th>Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>½” (15mm) and ¾” (16mm)</td>
<td>¾” (20mm)</td>
</tr>
<tr>
<td>¾” (16mm) and ¾” (20mm)</td>
<td>1” (25mm)</td>
</tr>
<tr>
<td>1” (25mm)</td>
<td>1¼” (32mm)</td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>Meter Size</th>
<th>Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>½” (15mm) and ¾” (16mm)</td>
<td>¾” (20mm)</td>
</tr>
<tr>
<td>¾” (16mm) and ¾” (20mm)</td>
<td>1” (25mm)</td>
</tr>
<tr>
<td>1” (25mm)</td>
<td>1¼” (32mm)</td>
</tr>
</tbody>
</table>
### Series 07S

#### Inlet Connections - Types available, ordering code, sizes available

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meter Thread Female</td>
<td>4</td>
<td>1, 1 1/4, 25, 32</td>
</tr>
<tr>
<td>National Pipe Thread Male</td>
<td>2</td>
<td>1, 1 1/4, 25, 32</td>
</tr>
</tbody>
</table>

#### Outlet Connections - Types available, ordering code, sizes available

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meter Thread Male</td>
<td>5</td>
<td>1, 1 1/4, 25, 32</td>
</tr>
<tr>
<td>National Pipe Thread Male</td>
<td>3</td>
<td>1, 1 1/4, 25, 32</td>
</tr>
</tbody>
</table>

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

07S __ ___ - ___ ___ 1 1/4" x 1 1/4" (32mm)

### Series Cu7

#### Inlet Connections - Types available, ordering code, sizes available

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Pipe Thread Female</td>
<td>2</td>
<td>1/2&quot;, 3/4&quot;, 15, 20, 25</td>
</tr>
<tr>
<td>National Pipe Thread Male</td>
<td>3</td>
<td>1/2&quot;, 3/4&quot;, 15, 20, 25</td>
</tr>
</tbody>
</table>

#### Outlet Connections - Types available, ordering code, sizes available

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meter Thread Female*</td>
<td>4</td>
<td>3/4&quot;, 1&quot;</td>
</tr>
<tr>
<td>Meter Thread Male*</td>
<td>5</td>
<td>3/4&quot;, 1&quot;</td>
</tr>
<tr>
<td>Female Solder</td>
<td>8</td>
<td>3/4&quot;, 1&quot;</td>
</tr>
<tr>
<td>Female Meter Thread (Swivel)</td>
<td>10</td>
<td>3/4&quot;, 1&quot;</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Meter Size</th>
<th>Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; (15mm) and 5/8&quot; (16mm)</td>
<td>3/4&quot; (20mm)</td>
</tr>
<tr>
<td>5/8&quot; (16mm) and 3/4&quot; (20mm)</td>
<td>1&quot; (25mm)</td>
</tr>
</tbody>
</table>

See “How to Order” on pages 10, 11.

CU7 U ___ - U ___ " x ___"

### Model 7B

#### Inlet Connections – Types available, ordering code, sizes available.

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>(U) National Pipe Thread Female</td>
<td>2</td>
<td>3/4&quot;, 20</td>
</tr>
</tbody>
</table>

#### Outlet Connection – Types available, ordering code, sizes available.

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Pipe Thread Female</td>
<td>2</td>
<td>3/4&quot;, 20</td>
</tr>
</tbody>
</table>

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

7B U 2 - ___ 2 3/4" (20 mm) x 3/4" (20 mm)

### Series 7, 7C

#### Inlet Connections – Types available, ordering code, sizes available.

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>(U) National Pipe Thread Female</td>
<td>2</td>
<td>3/8&quot;, 10</td>
</tr>
</tbody>
</table>

#### Outlet Connection – Types available, ordering code, sizes available.

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Connection Code</th>
<th>Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Pipe Thread Female</td>
<td>2</td>
<td>3/8&quot;, 10</td>
</tr>
</tbody>
</table>

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

7, 7C 2 - 2 3/8" (10mm) x 3/8" (10mm)

Union Connections standard on inlet connection.

3/8" (10mm) No. H7 or H7C is supplied with 3/8" (20mm) H.T. adapters for 3/8" (20mm) H.T. female inlet and 3/8" (20mm) H.T. male outlet.
<table>
<thead>
<tr>
<th>HEADQUARTERS: Watts Regulator Company</th>
<th>Telephone #</th>
<th>Fax #</th>
</tr>
</thead>
<tbody>
<tr>
<td>815 Chestnut St., North Andover, MA 01845-6098 U.S.A.</td>
<td>978 688-1811</td>
<td>978 794-1848</td>
</tr>
</tbody>
</table>

### North East

- **Edwards, Platt & Deely, Inc.** 271 Royal Ave., Hawthrone, NJ 07506
  - Telephone: 973 427-2898
  - Fax: 973 427-4246

- **Edwards, Platt & Deely, Inc.** 368 Wyandanch Ave., North Babylon, NY 11703
  - Telephone: 631 253-0600
  - Fax: 631 253-0939

- **W. P. Haney Co., Inc.** 51 Norfolk Ave., South Easton, MA 02375
  - Telephone: 508 238-2030
  - Fax: 508 238-8353

### Mid Atlantic

- **J. B. O'Connor Company, Inc.** P.O. Box 12927, Pittsburgh, PA 15241
  - Telephone: 724 745-5300
  - Fax: 724 745-7420

- **RMI** Glenfield Bus. Ctr., 2535 Mechanicsville Tpk., Richmond, VA 23223
  - Telephone: 804 643-7355
  - Fax: 804 643-7380

- **The Joyce Agency, Inc.** 8442 Alban Rd., Springfield, VA 22150
  - Telephone: 703 866-3111
  - Fax: 703 866-2332

- **Vernon Bitzer Associates, Inc.** 980 Thomas Drive, Warminster, PA 18974
  - Telephone: 215 443-7500
  - Fax: 215 443-7573

- **WMS Sales, Inc.** (Main office) 9580 County Rd., Clarence Center, NY 14032
  - Telephone: 716 741-9575
  - Fax: 716 741-4810

### South Central

- **Billingsley & Associates, Inc.** 2728 Crestview Ave., Kenner, LA 70062-4829
  - Telephone: 504 602-8100
  - Fax: 504 602-8106

- **Francisco J. Ortz & Co., Inc.** 478 Cheyenne Lane, Madison, MS 39110
  - Telephone: 601 856-7565
  - Fax: 601 856-8390

- **Mid-America Marketing, Inc.** 203 Industrial Drive, Birmingham, AL 35211
  - Telephone: 205 879-3469
  - Fax: 205 870-5027

### South Central

- **Hugh M. Cunningham, Inc.** 13755 Benchmark, Dallas, TX 75234
  - Telephone: 972 888-3808
  - Fax: 972 888-3838

- **Mack McEachern Co., Inc.** 11132 South Towne Square, Suite 202, St. Louis, MO 63123
  - Telephone: 314 896-8188
  - Fax: 314 896-8388

- **Mack McClain & Associates, Inc.** 1450 NE 69th Place, Ste. 56 Ankeny, IA 50021
  - Telephone: 515 288-0184
  - Fax: 515 288-5049

- **OK! Sales, Inc.** 2200 Blue Creek Dr., Norman, OK 73062
  - Telephone: 405 360-6161
  - Fax: 405 360-0092

- **Stickler & Associates** 733 North 121 St., Milwaukee, WI 53226
  - Telephone: 414 771-0400
  - Fax: 414 771-3927

### Western

- **Delco Sales, Inc.** 1930 Rayner Ave., Fullerton, CA 92833
  - Telephone: 714 888-2444
  - Fax: 714 888-2448

- **Fanning & Associates, Inc.** 6022 W. 7th St., Kansas City, MO 64114
  - Telephone: 816 542-5900
  - Fax: 816 542-5901

- **Hollabaugh Brothers & Associates** 6915 South 194th St., Kent, WA 98032
  - Telephone: 253 867-5040
  - Fax: 253 867-5055

- **P I R Sales, Inc.** 980 Thomas Drive, Warminster, PA 18974
  - Telephone: 215 443-7500
  - Fax: 215 443-7573

- **Phoenix Marketing, Ltd.** 2416 Candelaria N.E., Albuquerque, NM 87107
  - Telephone: 505 892-6000
  - Fax: 505 892-6096

- **R. E. Fitzpatrick Sales, Inc.** 4109 West Nike Dr. (8250 South), West Jordan, UT 84088
  - Telephone: 801 282-0700
  - Fax: 801 282-0600

### Canada

- **Watts Industries (Canada) Inc.** (Watts Regulator Co. Division)
  - Telephone: 905 332-4090
  - Fax: 905 332-7068

- **Con-Cur West Marketing, Inc.** #109-42 Fawcett Rd., Coquitlam, British Columbia V3K 6X9
  - Telephone: 604 540-5088
  - Fax: 604 540-5084

- **D.C. Sales, Ltd.** 10-6130 4th St. S.E., Calgary, AB T2H 2A6
  - Telephone: 403 259-9091
  - Fax: 403 259-9091

- **GTA Sales Team.** Greater Toronto Area
  - Telephone: 888 208-8927
  - Fax: 888 208-9887

- **Hydro-Mechanical Sales, Ltd.** 85 Tolt Rd., St. Phillips, Newfoundland A1B 3M7
  - Telephone: 709 895-0090
  - Fax: 709 895-0091

- **Le Groupe B.G.T., Inc.** 23 du Buisson, Pont Rouge, Quebec G3H 1X9
  - Telephone: 418 873-2800
  - Fax: 418 873-2505

- **Le Groupe B.G.T., Inc.** 203 Industrial Drive, Birmingham, AL 35211
  - Telephone: 205 879-3469
  - Fax: 205 870-5027

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  - Telephone: 716 741-9575
  - Fax: 716 741-4810

### Export

- **Watts Regulator Co.** 815 Chestnut St., North Andover, MA 01845-6098 U.S.A.
  - Telephone: 978 688-1811
  - Fax: 978 794-1848

**Watts USA website:** www.wattsreg.com

**Watts Canada website:** www.wattscanada.ca