| THIS SPACE FOR DESIGNER/ENGINEER APPROVAL |      |                  |  |  |
|---|------|------------------|--|--|
| Job/Customer                              | Date | Contractor       |  |  |
| Model Specified                           | Qty  | _ Approved By    |  |  |
| Designer/Engineer                         | Date | Contractor's PO# |  |  |
| Submitted by                              | Date | Other            |  |  |

## 9170W Series

Full Port Forged Brass Ball Valves w/ Adjustable Packing Gland & Reversible Handle Lead Free

**Female PP-R Metric Socket** 

Manufactured for use with Aquatherm® PP-R Piping

Max. Operating Pressure: 355 PSI\*\*

**Patented Technology** 





Lead free products are certified to NSF/ANSI 61 & NSF/ANSI 372

| LEAD<br>FREE<br>ITEM# | METRIC<br>PIPE SIZE | SIZE*  | CTN | CASE | A     | В      | С      | D     |
|-----------------------|---------------------|--------|-----|------|-------|--------|--------|-------|
| 91702W                | 20                  | 1/2"   | 5   | 50   | 1/2   | 4 1/8  | 2      | 3 7/8 |
| 91703W                | 25                  | 3/4"   | 5   | 40   | 3/4   | 4 5/16 | 2 1/16 | 3 7/8 |
| 91704W                | 32                  | 1"     | 4   | 20   | 1     | 5 3/16 | 2 5/8  | 4 5/8 |
| 91705W                | 40                  | 1 1/4" | 5   | 20   | 1 1/4 | 5 3/4  | 3      | 4 5/8 |
| 91706W                | 50                  | 1 1/2" | 4   | 16   | 1 1/2 | 6 3/8  | 3 1/2  | 5 5/8 |
| 91707W                | 63                  | 2"     | 2   | 8    | 2     | 7 1/8  | 4      | 5 5/8 |



| NO. | DESCRIPTION   | MATERIAL        |
|-----|---------------|-----------------|
| 1   | BODY          | BRASS with PP-R |
| 2   | END CAP       | BRASS with PP-R |
| 3   | SEAT          | PTFE            |
| 4   | BALL          | BRASS HCP       |
| 5   | STEM          | BRASS           |
| 6   | STEM SEAL     | PTFE            |
| 7   | PACKING GLAND | BRASS           |
| 8   | LEVER HANDLE  | STEEL CP        |
| 9   | HANDLE JACKET | VINYL           |
| 10  | HANDLE NUT    | STAINLESS STEEL |

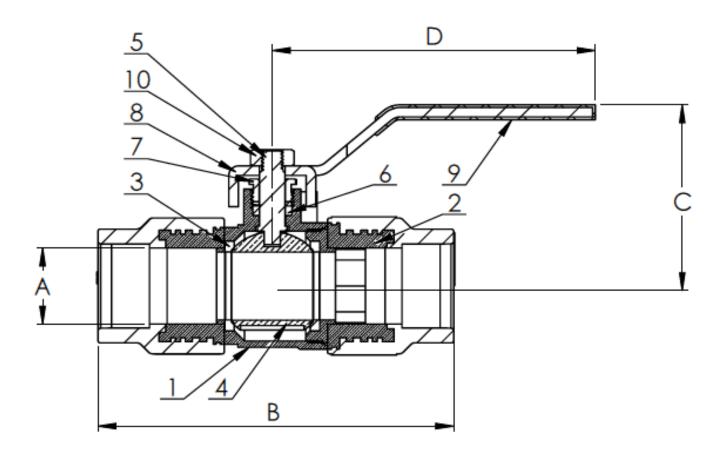
| TEMP °F | PSI | TEMP °F | PSI |
|---------|-----|---------|-----|
| 73      | 355 | 130     | 210 |
| 80      | 337 | 140     | 185 |
| 90      | 312 | 150     | 164 |
| 100     | 286 | 160     | 143 |
| 110     | 261 | 170     | 121 |
| 120     | 236 | 180     | 100 |

<sup>\*</sup>PP-R Sockets are manufactured based on metric units of measurement. Imperial nominal diameter is provided as reference only.

\*\*Overall pressure rating at 73°F. Further restrictions determined by intended operating conditions and limitations specific to the system design. Maximum pressure rating for the seat and body alone is 600 PSI.



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|---|------|------------------|--|--|
| Job/Customer                              | Date | Contractor       |  |  |
| Model Specified                           | Qty  | Approved By      |  |  |
| Designer/Engineer                         | Date | Contractor's PO# |  |  |
| Submitted by                              | Date | Other            |  |  |



**Specifications:** Designed for residential, commercial or industrial use with water, oil or gas. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Socket end dimensions are in accordance with ASTM F 2389 Metric Series. Aquatherm® is a registered trademark of aquatherm GmbH used with permission. Visit <a href="https://www.aquatherm.com">www.aquatherm.com</a> for additional information related to the PP-R socket ends, PP-R pipe and fittings, and socket fusion welding.



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|---|------|------------------|--|--|
| Job/Customer                              | Date | Contractor       |  |  |
| Model Specified                           | Qty  | Approved By      |  |  |
| Designer/Engineer                         | Date | Contractor's PO# |  |  |
| Submitted by                              | Date | Other            |  |  |

## 9470W Series

Full Port Forged Brass Ball Valves
w/ Adjustable Packing Gland & Reversible Handle
Lead Free
Female PP-R Metric Socket x FIP
Manufactured for use with Aquatherm® PP-R Piping
Max. Operating Pressure: 355 PSI\*\*
Patented Technology





Lead free products are certified to NSF/ANSI 61 & NSF/ANSI 372

| LEAD<br>FREE<br>ITEM# | METRIC<br>PIPE SIZE | SIZE*  | CTN | CASE | A     | В     | С     | D     |
|-----------------------|---------------------|--------|-----|------|-------|-------|-------|-------|
| 94702W                | 20                  | 1/2"   | 5   | 50   | 1/2   | 3 1/4 | 2 1/4 | 3 1/2 |
| 94703W                | 25                  | 3/4"   | 5   | 40   | 3/4   | 3 1/2 | 2 1/2 | 3 1/2 |
| 94704W                | 32                  | 1"     | 4   | 20   | 1     | 4     | 2 5/8 | 4 3/8 |
| 94705W                | 40                  | 1 1/4" | 5   | 20   | 1 1/4 | 4 5/8 | 3     | 4 3/8 |
| 94706W                | 50                  | 1 1/2" | 4   | 16   | 1 1/2 | 5 1/8 | 3 1/2 | 5 5/8 |
| 94707W                | 63                  | 2"     | 2   | 8    | 2     | 5 3/4 | 3 5/8 | 5 5/8 |



| NO. | DESCRIPTION   | MATERIAL        |  |
|-----|---------------|-----------------|--|
| 1   | BODY          | BRASS with PP-R |  |
| 2   | END CAP       | BRASS           |  |
| 3   | SEAT          | PTFE            |  |
| 4   | BALL          | BRASS HCP       |  |
| 5   | STEM          | BRASS           |  |
| 6   | STEM SEAL     | PTFE            |  |
| 7   | PACKING GLAND | BRASS           |  |
| 8   | LEVER HANDLE  | STEEL CP        |  |
| 9   | HANDLE JACKET | VINYL           |  |
| 10  | HANDLE NUT    | STAINLESS STEEL |  |

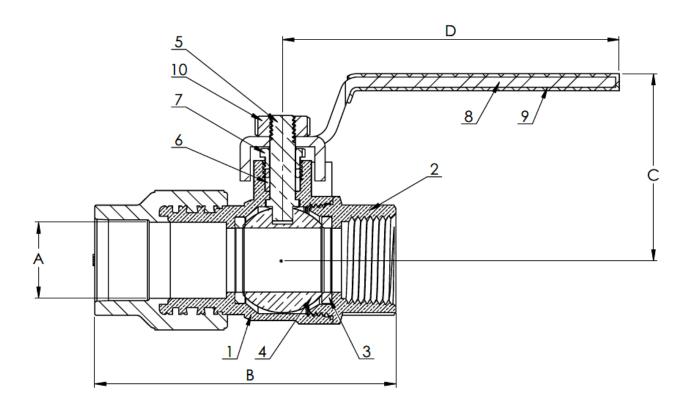
| TEMP °F | PSI | TEMP °F | PSI |
|---------|-----|---------|-----|
| 73      | 355 | 130     | 210 |
| 80      | 337 | 140     | 185 |
| 90      | 312 | 150     | 164 |
| 100     | 286 | 160     | 143 |
| 110     | 261 | 170     | 121 |
| 120     | 236 | 180     | 100 |

<sup>\*</sup>PP-R Sockets are manufactured based on metric units of measurement. Imperial nominal diameter is provided as reference only.

\*\*Overall pressure rating at 73°F. Further restrictions determined by intended operating conditions and limitations specific to the system design. Maximum pressure rating for the seat and body alone is 600 PSI.



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|---|------|------------------|--|--|
| Job/Customer                              | Date | Contractor       |  |  |
| Model Specified                           | Qty  | Approved By      |  |  |
| Designer/Engineer                         | Date | Contractor's PO# |  |  |
| Submitted by                              | Date | Other            |  |  |



**Specifications:** Designed for residential, commercial or industrial use with water, oil or gas. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Socket end dimensions are in accordance with ASTM F 2389 Metric Series. Aquatherm® is a registered trademark of aquatherm GmbH used with permission. Visit <a href="https://www.aquatherm.com">www.aquatherm.com</a> for additional information related to the PP-R socket ends, PP-R pipe and fittings, and socket fusion welding.

