COMMERCIAL PRODUCTS
Condensed Catalog

Quality in every choice, every time.
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## Valve Code

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## Sample Spec Sheet

## Standards & 3rd Party Certifications

## Cross Reference Charts

## Terms & Conditions

KITZ Corporation of America - Stafford, TX | 800-772-0073 | www.kitzus-kca.com
### LEAD FREE* COPPER ALLOYS

#### # 858

- **600CWP/150WSP (¼” - 3”)**
- 400CWP/275@212°F (4”)
- 2-pc, Full Port
- Threaded Ends
- ASTM A283 C46750
- ASTM B584 C89530 (4”)
- Plated / Vented Ball
- PTFE Seats
- O-Ring Stem Seals
- MSS SP-110
  - ¼” - 4”

#### # 859

- **600CWP/150WSP**
- 2-pc, Full Port
- Solder Ends
- ASTM A283 C46750
- Plated / Vented Ball
- PTFE Seats
- O-Ring Stem Seals
- MSS SP-110
  - ¼” - 3”

#### # 858W - Wing Handle

- **600CWP/150WSP**
- 2-pc, Full Port
- Threaded Ends
- ASTM A283 C46750
- Plated / Vented Ball
- PTFE Seats
- O-Ring Stem Seals
- MSS SP-110
  - ¼” - 2”

#### # 859W - Wing Handle

- **600CWP/150WSP**
- 2-pc, Full Port
- Solder Ends
- ASTM A283 C46750
- Plated / Vented Ball
- PTFE Seats
- O-Ring Stem Seals
- MSS SP-110
  - ¼” - 2”

#### # 868

- **600CWP / 325 @ 212°F**
- 2-pc, Full Port
- Threaded Ends
- ASTM A283 C46750
- Plated / Vented Ball
- PTFE Seats
- PTFE Packing
- MSS SP-110
  - ¼” - 2”

#### # 869

- **600CWP / 325 @ 212°F**
- 2-pc, Full Port
- Solder Ends
- ASTM A283 C46750
- Plated / Vented Ball
- PTFE Seats
- PTFE Packing
- MSS SP-110
  - ⅜” - 2”

#### # 868M

- **600CWP / 325 @ 212°F**
- 2-pc, Full Port
- Threaded Ends
- ASTM A283 C46750
- 316SS / Vented Ball & Stem
- PTFE Seats
- PTFE Packing
- MSS SP-110
  - ¼” - 2”

#### # 869M

- **600CWP / 325 @ 212°F**
- 2-pc, Full Port
- Solder Ends
- ASTM A283 C46750
- 316SS / Vented Ball & Stem
- PTFE Seats
- PTFE Packing
- MSS SP-110
  - ⅜” - 2”

*Product complies with NSF/ANSI Standard 61, NSF/ANSI Standard 372 and conforms with lead content requirements for “lead free” plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act that went into effect January 2014.*

⚠️ **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).
### LEAD FREE* COPPER ALLOYS

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#### # 863M - 3-Piece

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#### # 869AD - with Drain

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*Product complies with NSF/ANSI Standard 61, NSF/ANSI Standard 372 and conforms with lead content requirements for “lead free” plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act that went into effect January 2014.

⚠️ WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).
# 868C - Cap* & Chain

- 600CWP / 325 @ 212°F
- 2-pc, Full Port
- w/ Cap & Chain
- NPT x Hose
- ASTM A283 C46750
- Plated / Vented Ball
- PTFE Seats
- PTFE Packing
- MSS SP-110
- ½" & ¾"

# 869C - Cap* & Chain

- 600CWP / 325 @ 212°F
- 2-pc, Full Port
- w/ Cap & Chain
- Solder x Hose
- ASTM A283 C46750
- Plated / Vented Ball
- PTFE Seats
- PTFE Packing
- MSS SP-110
- ½" & ¾"

* Cap not designed to retain line pressure

# 854 - 3-Way

- 400CWP / 275 @ 212°F
- 2-pc, L-Port
- Threaded Ends
- ASTM A283 C46750
- Cr. Plated Ball
- PTFE Seats
- O-Ring Stem Seals
- ½" - 2"

# 855 - 3-Way

- 400CWP / 275 @ 212°F
- 2-pc, L-Port
- Solder Ends
- ASTM A283 C46750
- Cr. Plated Ball
- PTFE Seats
- O-Ring Stem Seals
- ½" - 2"

# 807

- Class 125
- 200CWP / 125WSP
- NRS
- Screwed Bonnet
- Threaded Ends
- ASTM A283 C46750
- Metal to Metal Seat
- KITZ Std.
- ½" - 2"

# 808

- Class 125
- 200CWP / 125WSP
- NRS
- Screwed Bonnet
- Solder Ends
- ASTM A283 C46750
- Metal to Metal Seat
- KITZ Std.
- ½" - 2"

# 827

- Class 125
- 200CWP / 180 @ 212°F
- NRS
- Over Bonnet ½" - 2"
- Threaded Ends
- ASTM B584 C89530
- Metal to Metal Seat
- KITZ Std.
- ½" - 2"

# 828

- Class 125
- 200CWP / 180 @ 212°F
- NRS
- Over Bonnet ½" - 2"
- Solder Ends
- ASTM B584 C89530
- Metal to Metal Seat
- KITZ Std.
- ½" - 2"

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⚠️ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.
LEAD FREE* COPPER ALLOYS

**# 811**
- Class 125
- 200CWP / 180 @ 212°F
- Rising Stem
- Screwed Bonnet
- Threaded Ends
- ASTM B584, C89530
- Metal to Metal Seat
- MSS SP-80, Type 1 design
  $\frac{1}{2}'' - 2''$

**# 812**
- Class 125
- 200CWP / 180 @ 212°F
- Rising Stem
- Screwed Bonnet
- Solder Ends
- ASTM B584, C89530
- Metal to Metal Seat
- MSS SP-80, Type 1 design
  $\frac{1}{2}'' - 2''$

**# 804**
- Class 125
- 200CWP / 180 @ 212°F
- T-Pattern, Swing Type
- Screwed Cap
- Threaded Ends
- ASTM B584, C89530
- Metal to Metal Seat
- MSS SP-80, Type 3 design
  $\frac{1}{2}'' - 2''$

**# 814**
- Class 125
- 200CWP / 180 @ 212°F
- T-Pattern, Swing Type
- Screwed Cap
- Solder Ends
- ASTM B584, C89530
- Metal to Metal Seat
- MSS SP-80, Type 3 design
  $\frac{1}{2}'' - 2''$

**# 822**
- Class 125
- 200CWP / 180 @ 212°F
- Y-Pattern, Swing Type
- Screwed Cap
- Threaded Ends
- ASTM B584, C89530
- Metal to Metal Seat
- MSS SP-80, Type 4 design
  $\frac{1}{2}'' - 2''$

**# 823**
- Class 125
- 200CWP / 180 @ 212°F
- Y-Pattern, Swing Type
- Screwed Cap
- Solder Ends
- ASTM B584, C89530
- Metal to Metal Seat
- MSS SP-80, Type 4 design
  $\frac{1}{2}'' - 2''$

**# 822T**
- Class 125
- 200CWP / 180 @ 212°F
- Y-Pattern, Swing Type
- ASTM B584, C89530
- PTFE Disc
- Screwed Cap
- Threaded Ends
- MSS SP-80, Type 4 design
  $\frac{1}{2}'' - 2''$

**# 823T**
- Class 125
- 200CWP / 180 @ 212°F
- Y-Pattern, Swing Type
- ASTM B584, C89530
- PTFE Disc
- Screwed Cap
- Solder Ends
- MSS SP-80, Type 4 design
  $\frac{1}{2}'' - 2''$

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⚠️ WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)
LEAD FREE* COPPER ALLOYS

# 836
250CWP / 175 @ 176°F
Vertical Lift
Spring Loaded
FKM Disc
Screwed Cap
ASTM B584, C89530
Threaded Ends
KITZ Std.
½" - 2"

# 826
250CWP / 175 @ 176°F
Vertical Lift
Spring Loaded
FKM Disc
Screwed Cap
ASTM B584, C89530
Solder Ends
KITZ Std.
½" - 2"

*Product complies with NSF/ANSI Standard 61, NSF/ANSI Standard 372 and conforms with lead content requirements for “lead free” plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act that went into effect January 2014.

K-PRESS

801XL Lead Free‡
200 CWP
2-pc, Full Port
UL-NSF 61-G
CW 511L
Plated Ball
PTFE Seats
PTFE Packing
½" - 2"

801XLC Lead Free‡
200 CWP
2-pc, Full Port
UL-NSF 61-G
CW 511L
Plated Ball
PTFE Seats
O-Ring Stem Seals
2 ½" - 4"

‡ Lead Free valves are UL certified to NSF / ANSI Standard 61 -2008 Annex G. As defined by state laws, California AB 1953 and Vermont 193 ACT, these valves are Lead Free, allowing wetted parts to contain no more than 0.25% Lead by weight.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.
BALL - 2-PIECE

# 58‡
600WOG / 150WSP
2-pc, Full Port
CSA, UL, FM (≤2)
Threaded Ends
ASTM B283, C37700
Cr. Plated / Vented Ball
PTFE Seats
O-Ring Stem Seals
MSS SP-110
¼" - 4"
‡ 2½" - 4" - 400 WOG / 150 WSP

# 58W - Wing Handle
600WOG / 150WSP
2-pc, Full Port
CSA, UL, FM
Threaded Ends
ASTM B283, C37700
Cr. Plated / Vented Ball
PTFE Seats
O-Ring Stem Seals
MSS SP-110
¼" - 2"

# 59‡
600WOG / 150WSP
2-pc, Full Port
UL, FM (≤2)
Solder Ends
ASTM B283, C37700
Cr. Plated / Vented Ball
PTFE Seats
O-Ring Stem Seals
MSS SP-110
¼" - 3"

# 59W - Wing Handle
600WOG / 150WSP
2-pc, Full Port
UL, FM
Solder Ends
ASTM B283, C37700
Cr. Plated / Vented Ball
PTFE Seats
O-Ring Stem Seals
MSS SP-110
¼" - 2"

# 68
600WOG / 150WSP
2-pc, Full Port
CSA, UL/FM
Threaded Ends
ASTM B283, C37700
Cr. Plated / Vented Ball
PTFE Seats
PTFE Packing
MSS SP-110
¼" - 2"

# 69
600WOG / 150WSP
2-pc, Full Port
UL/FM (¼" - 2")
Solder Ends
ASTM B283, C37700
Cr. Plated / Vented Ball
PTFE Seats
PTFE Packing
MSS SP-110
¾" - 3"
### BALL - 2-PIECE

#### # 68M - SS Trim

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<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>600WOG / 150WSP</td>
<td>2-pc, Full Port</td>
</tr>
<tr>
<td>UL</td>
<td>Solder Ends</td>
</tr>
<tr>
<td>ASTM B283, C37700</td>
<td>316SS / Vented Ball &amp; Stem</td>
</tr>
<tr>
<td>PTFE Seats</td>
<td>PTFE Packing</td>
</tr>
<tr>
<td>MSS SP-110</td>
<td>½&quot; - 2&quot;</td>
</tr>
</tbody>
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#### # 68ALL - (Canada Only)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>600WOG / 150WSP</td>
<td>2-pc, Full Port</td>
</tr>
<tr>
<td>CSA</td>
<td>Locking Lever</td>
</tr>
<tr>
<td>Threaded Ends</td>
<td>ASTM B283, C37700</td>
</tr>
<tr>
<td>Cr. Plated / Vented Ball</td>
<td>PTFE Seats</td>
</tr>
<tr>
<td>O-Ring Stem Seals</td>
<td>MSS SP-110</td>
</tr>
<tr>
<td>½&quot; - 2&quot;</td>
<td></td>
</tr>
</tbody>
</table>

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<table>
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<tbody>
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<td>UL</td>
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</tr>
<tr>
<td>Solder Ends</td>
<td>ASTM B283, C37700</td>
</tr>
<tr>
<td>Cr. Plated / Vented Ball</td>
<td>PTFE Seats</td>
</tr>
<tr>
<td>O-Ring Stem Seals</td>
<td>MSS SP-110</td>
</tr>
<tr>
<td>½&quot; - 2&quot;</td>
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</tr>
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</table>

#### # 68AMLL - (Canada Only)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>600WOG / 150WSP</td>
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</tr>
<tr>
<td>CSA</td>
<td>Locking Lever</td>
</tr>
<tr>
<td>Threaded Ends</td>
<td>ASTM B283, C37700</td>
</tr>
<tr>
<td>316SS / Vented Ball &amp; Stem</td>
<td>PTFE Seats</td>
</tr>
<tr>
<td>O-Ring Stem Seals</td>
<td>MSS SP-110</td>
</tr>
<tr>
<td>½&quot; - 2&quot;</td>
<td></td>
</tr>
</tbody>
</table>

#### # 69AMLL - (Canada Only)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
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<td>2-pc, Full Port</td>
</tr>
<tr>
<td>UL</td>
<td>Locking Lever</td>
</tr>
<tr>
<td>Solder Ends</td>
<td>ASTM B283, C37700</td>
</tr>
<tr>
<td>316SS / Vented Ball &amp; Stem</td>
<td>PTFE Seats</td>
</tr>
<tr>
<td>O-Ring Stem Seals</td>
<td>MSS SP-110</td>
</tr>
<tr>
<td>½&quot; - 2&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.
# 68P** - Mounting Pad

600WOG / 150WSP  
2-pc, Full Port  
UL (¼" - 2")  
Mounting Pad  
Threaded Ends  
ASTM B283, C37700  
Cr. Plated / Vented Ball  
PTFE Seats  
PTFE Packing  
MSS SP-110  
¼" - 2"  
** 2½" - 4" 400 WOG / 150WSP

# 68PM** - Mounting Pad

600WOG / 250WSP  
2-pc, Full Port  
UL (¼" - 2")  
Mounting Pad  
Threaded Ends  
ASTM B283, C37700  
316SS / Vented Ball & Stem  
Locking Lever (¼" - 2")  
PTFE Seats  
PTFE Packing  
MSS SP-110  
¼" - 2"  
** 2½" - 4" 400 WOG / 150WSP

# 68LL - Locking Lever

600WOG / 150WSP  
2-pc, Full Port  
CSA, UL  
Threaded Ends  
ASTM B283, C37700  
Cr. Plated / Vented Ball  
PTFE Seats  
PTFE Packing  
MSS SP-110  
¼" - 2"

# 62 - 3-Piece

600WOG / 150WSP  
3-pc, Full Port  
Threaded Ends  
ASTM B283, C37700  
Cr. Plated / Vented Ball  
PTFE Seats  
PTFE Packing  
MSS SP-110  
¼" - 2"

# 62M - 3-Piece, SS Trim

600WOG / 150WSP  
3-pc, Full Port  
Solder Ends  
ASTM B283, C37700  
316SS / Vented Ball & Stem  
PTFE Seats  
PTFE Packing  
MSS SP-110  
½" - 2"

# 63M - 3-Piece, SS Trim

600WOG / 150WSP  
3-pc, Full Port  
Solder Ends  
ASTM B283, C37700  
316SS / Vented Ball & Stem  
PTFE Seats  
PTFE Packing  
MSS SP-110  
½" - 2"

**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.
## BALL - SPECIALITY

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Pressure</th>
<th>Temperature</th>
<th>Port</th>
<th>Ends</th>
<th>Standards</th>
<th>Seals</th>
<th>Stem Seals</th>
<th>Seats</th>
<th>Packing</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td># 68U</td>
<td>Single Union</td>
<td>600WOG/150 @ 300°F</td>
<td>2-pc, Full Port</td>
<td>Single Union</td>
<td>Threaded Ends</td>
<td>ASTM B283, C37700</td>
<td>Cr. Plated / Vented Ball</td>
<td>PTFE Packing</td>
<td>MSS SP-110</td>
<td>¼” - 2”</td>
<td></td>
</tr>
<tr>
<td># 69U</td>
<td>Single Union</td>
<td>600WOG/150 @ 300°F</td>
<td>2-pc, Full Port</td>
<td>Single Union</td>
<td>Solder Ends</td>
<td>ASTM B283, C37700</td>
<td>Cr. Plated / Vented Ball</td>
<td>PTFE Packing</td>
<td>MSS SP-110</td>
<td>⅜” - 2”</td>
<td></td>
</tr>
<tr>
<td># 68AD</td>
<td>with Drain</td>
<td>600WOG, 375 @ 200°F</td>
<td>2-pc, Full Port</td>
<td>Drainable</td>
<td>Threaded Ends</td>
<td>ASTM B283, C37700</td>
<td>Cr. Plated / Vented Ball</td>
<td>PTFE Seats</td>
<td>O-Ring Stem Seals</td>
<td>MSS SP-110</td>
<td>¼” - 1”</td>
</tr>
<tr>
<td># 69AD</td>
<td>with Drain</td>
<td>600WOG, 375 @ 200°F</td>
<td>2-pc, Full Port</td>
<td>Drainable</td>
<td>Solder Ends</td>
<td>ASTM B283, C37700</td>
<td>Cr. Plated / Vented Ball</td>
<td>PTFE Seats</td>
<td>O-Ring Stem Seals</td>
<td>MSS SP-110</td>
<td>⅜” - 1”</td>
</tr>
<tr>
<td># 68O</td>
<td>MIPS x FIPS</td>
<td>600WOG / 150WSP</td>
<td>2-pc, Full Port</td>
<td>MIPS x FIPS</td>
<td>Threaded Ends</td>
<td>ASTM B283, C37700</td>
<td>Cr. Plated / Vented Ball</td>
<td>PTFE Seats</td>
<td>PTFE Packing</td>
<td>MSS SP-110</td>
<td>¼” - 1”</td>
</tr>
</tbody>
</table>
# 68S - Safety Exhaust

- 200 WOG
- 2-pc, Full Port
- Safety Exhaust
- Threaded Ends
- ASTM B283, C37700
- Cr. Plated Ball
- PTFE Seats
- PTFE Packing
- Locking Lever
- MSS SP-110
- ¼" - 2"

# 68AB - Barbed End

- 600 WOG
- 2-pc, Full Port
- Barbed x FIPS
- ASTM B283, C37700
- Cr. Plated / Vented Ball
- PTFE Seats
- O-Ring Stem Seals
- MSS SP-110
- ½" - 1"

# 68C - Cap* & Chain

- 600 WOG / 150 WSP
- 2-pc, Full Port
- NPT x Hose
- Cap & Chain
- ASTM B283, C37700
- Cr. Plated / Vented Ball
- PTFE Seats
- PTFE Packing
- MSS SP-110
- ½" & ¾"

# 69C - Cap* & Chain

- 600 WOG / 150 WSP
- 2-pc, Full Port
- Solder x Hose
- Cap & Chain
- ASTM B283, C37700
- Cr. Plated / Vented Ball
- PTFE Seats
- PTFE Packing
- MSS SP-110
- ½" & ¾"

* Cap is not intended to retain pressure

# 54P* - 3-Way

- 400 WOG / 150 @ 300°F
- 2-pc, L-Port
- Mounting Pad*
- Threaded Ends
- ASTM B283, C37700
- Cr. Plated Ball
- PTFE Seats
- O-Ring Stem Seals
- ¼" - 2"

* Mounting Pad N/A on 1/4"; 3/8"; 2-1/2"; 3"; Order as Code No. 54
# 60

125 WOG
CSA
ASTM B283, C37700
Cr. Plated Ball
FIPS
¾" - 1"

# 60 SQ

125 WOG
CSA
ASTM B283, C37700
Cr. Plated Ball
FIPS
¾" - 1"

# 60F

125 WOG
CSA
ASTM B283, C37700
Cr. Plated Ball
FIPS x Flare
½ x ¾, ½ x ¼, ¼ x ¾

# 60FF

125 WOG
CSA
ASTM B283, C37700
Cr. Plated Ball
Flare x Flare
¾", ½", 5/16"

# 60FO

125 WOG
CSA
ASTM B283, C37700
Cr. Plated Ball
MIPS x Flare
½ x ½

ACCESSORIES*

62/63, 68/69 Series
- Memory Stop
- SS Locking Lever
- Oval Handle/Locking Oval Handle
- Insulated Stem Extension (ISE) w/ Memory Stop
- Insulated Stem Extension (ISEP) UL2043
- Wing Handle
- Anti-Static Grounding Spring

58/59 Series
- Memory Stop
- SS Lever & Nut
- Oval Handle
- Stem Extension (EL) ¾" - 4"
- Insulated Stem Extension (ISEP) UL2043
- Wing Handle
- Anti-Static Grounding Spring

Insulated Stem Extension (68-100-ISE-3)
Insulated Stem Extension (68-012-ISEP)
ISEP also available on the K-Press Model No. 801
Stem Extension (58-100-EL-602)
# 50 - One-Piece
600WOG / 150WSP
Reduced Port
Threaded Ends
ASTM A216, Gr WCB
316 SS Ball & Stem
Vented Ball
¼" - 2"

# 52 - One-Piece
600WOG / 150WSP
Reduced Port
Threaded Ends
ASTM A351, Gr CF8M
316 SS Ball & Stem
Vented Ball
¼" - 2"

# 119** - One-Piece
2000WOG* / 150WSP
Regular Port
Threaded Ends
Locking Oval Handle ¼"-1"
ASTM A216, Gr. WCB
316SS / Vented Ball & Stem
RPTFE Seats
Graphite** Packing
MSS SP-110
¼" - 2"

# 129** - One-Piece
2000WOG* / 150WSP
Regular Port
Threaded Ends
Locking Oval Handle ¼"-1"
ASTM A351, Gr. CF8M
316SS / Vented Ball & Stem
RPTFE Seats
Graphite** Packing
MSS SP-110
¼" - 2"

# 49M, 217, 219**, 237, 239** - Two-Piece†
2000WOG* / 150WSP
Regular Port
Threaded Ends
Locking Oval Handle ¼"-1"
ASTM A216, Gr. WCB
316SS / Vented Ball & Stem
RPTFE Seats
PTFE/Graphite** Packing
MSS SP-110
¼" - 2"

# 39, 227, 229**, 247, 249** - Two-Piece†
2000WOG* / 150WSP
Regular Port
Threaded Ends
Locking Oval Handle ¼"-1"
ASTM A216, Gr. WCB
316SS / Vented Ball & Stem
RPTFE Seats
PTFE/Graphite** Packing
MSS SP-110
¼" - 2"

# 317, 317F, 319**, 319F** - Three-Piece
1500WOG‡ / 240WSP‡
Regular Port / Full Port
Threaded, SW, BW Ends
Locking Oval Handle ¼"-1"
ASTM A216, Gr. WCB
316SS / Vented Ball & Stem
RPTFE Seats
PTFE/Graphite** Packing
PTFE/Graphite** Gasket
MSS SP-110
¼" - 2½"

# 327, 327F, 329**, 329F** - Three-Piece
1500WOG‡ / 240WSP‡
Regular Port / Full Port
Threaded, SW, BW Ends
Locking Oval Handle ¼"-1"
ASTM A351, Gr. CF8M
316SS / Vented Ball & Stem
RPTFE Seats
PTFE/Graphite** Packing
PTFE/Graphite** Gasket
MSS SP-110
¼" - 2½"

* ¼" - 2" 1500 WOG max.
‡ 2" Full Port, 2½” Regular Port 1000WOG/186WSP
** Graphite Packing and Gasket is standard in API 607 Fire Tested valves.
† 237, 239, 247, 249 - Seal Welded Body/Cap.

⚠️ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.
**LEAD FREE**

**BUTTERFLY**

**LUG Style - Bi Directional Dead End Service**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>MSS SP-67, API 609 Category A</td>
</tr>
<tr>
<td>2&quot; - 12&quot;</td>
<td>250 WOG</td>
</tr>
<tr>
<td>Molded in Seat</td>
<td></td>
</tr>
<tr>
<td>Lever ≤8&quot;, Gear 10&quot;s</td>
<td></td>
</tr>
<tr>
<td>14&quot; - 24&quot;</td>
<td>150 WOG</td>
</tr>
<tr>
<td>Booted Seat</td>
<td></td>
</tr>
<tr>
<td>Gear Operated</td>
<td></td>
</tr>
<tr>
<td>Body</td>
<td>Ductile Iron - ASTM A536</td>
</tr>
<tr>
<td>Disc</td>
<td>Aluminum Bronze</td>
</tr>
<tr>
<td>Ductile Iron - ENP</td>
<td></td>
</tr>
<tr>
<td>316 SS</td>
<td></td>
</tr>
<tr>
<td>Stem</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Seat</td>
<td>EPDM</td>
</tr>
<tr>
<td></td>
<td>Buna</td>
</tr>
<tr>
<td>Mounting Pad</td>
<td>ISO 5211</td>
</tr>
</tbody>
</table>

KITZ Lug Style Butterfly valves are rated for bi-directional dead end service to the full working pressure of the valve with the downstream flange removed. In dead end service exceeding 96 hours, a downstream flange is recommended.

**WAFFER Style**

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<td>Lever ≤8&quot;, Gear 10&quot;s</td>
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<tr>
<td>14&quot; - 24&quot;</td>
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<td>Gear Operated</td>
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<tr>
<td>Body</td>
<td>Ductile Iron - ASTM A536</td>
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<tr>
<td>Disc</td>
<td>Aluminum Bronze</td>
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<tr>
<td>Ductile Iron - ENP</td>
<td></td>
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<tr>
<td>316 SS</td>
<td></td>
</tr>
<tr>
<td>Stem</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Seat</td>
<td>EPDM</td>
</tr>
<tr>
<td></td>
<td>Buna</td>
</tr>
<tr>
<td>Mounting Pad</td>
<td>ISO 5211</td>
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</table>

*Butterfly valves with AlBrz or SS disc conform with lead content requirements for “lead free” plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act. These products further conform with the requirements of NSF/ANSI Standard 372.*

**Memory Stop**

⚠️ **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)
Design: MSS SP-67
2" - 12" 300 WOG
Lever 6" ≥, Gear 8" ≤

Body: Ductile Iron - Nylon Coated
Disc: Ductile Iron - EPDM Coated ‡
Stem: 410 SS 2 - 2½, 420 SS 3" ≤

Mounting Pad: ISO 5211

‡ EPDM is Chlorine & Chloramine resistant

100% Holiday tested.

Grooved End Butterfly valves comply with NSF/ANSI Standards 61 and 372. This also conforms with lead content requirements for "lead free" plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act that went into effect January 2014.
<table>
<thead>
<tr>
<th># 24</th>
<th># 25</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Class 125</strong>&lt;br&gt;200WOG / 125WSP&lt;br&gt;ISRS&lt;br&gt;Screwed Bonnet&lt;br&gt;ASTM B62&lt;br&gt;Threaded Ends&lt;br&gt;MSS SP-80, Type 2&lt;br&gt;½&quot; - 3&quot;</td>
<td><strong>Class 150</strong>&lt;br&gt;300WOG / 150WSP&lt;br&gt;ISRS&lt;br&gt;Screwed Bonnet&lt;br&gt;ASTM B62&lt;br&gt;Threaded Ends&lt;br&gt;MSS SP-80, Type 2&lt;br&gt;½&quot; - 3&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th># 45</th>
<th># 40</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Class 150</strong>&lt;br&gt;300WOG / 150WSP&lt;br&gt;ISRS&lt;br&gt;Screwed Bonnet&lt;br&gt;ASTM B62&lt;br&gt;Solder Ends&lt;br&gt;MSS SP-80, Type 2&lt;br&gt;½&quot; - 2&quot;</td>
<td><strong>Class 125</strong>&lt;br&gt;200WOG / 125WSP&lt;br&gt;NRS&lt;br&gt;Screwed Bonnet&lt;br&gt;ASTM B62&lt;br&gt;Threaded Ends&lt;br&gt;MSS SP-80, Type 1A&lt;br&gt;½&quot; - 2&quot;</td>
</tr>
</tbody>
</table>
# 42T

Class 150
300WOG / 150WSP
ISRS
Union Bonnet
ASTM B62
Threaded Ends
MSS SP-80, Type 2

¼" - 2"

# 46

Class 150
300WOG / 150WSP
NRS
Screwed Bonnet
ASTM B62
Threaded Ends
MSS SP-80, Type 1A

⅜" - 2"

# 37

Class 300
1000WOG / 300WSP
ISRS
Union Bonnet
ASTM B61
Threaded Ends
MSS SP-80, Type 2

⅜" - 2"

⚠️ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.
## BRONZE GLOBE

### #11
- **Class**: 125
- **Pressure**: 200WOG / 125WSP
- **Seating**: Metal to Metal Seat
- **Bonnet**: Screwed
- **Material**: ASTM B62
- **Ends**: Threaded
- **Size**: ½” - 3”

### #09
- **Class**: 150
- **Pressure**: 300WOG / 150WSP
- **Seating**: G/F PTFE Disc
- **Bonnet**: Integral Seat
- **Material**: ASTM B62
- **Ends**: Threaded
- **Size**: ¼” - 3”

### #10
- **Class**: 150
- **Pressure**: 300WOG / 150WSP
- **Seating**: G/F PTFE Disc
- **Bonnet**: Union
- **Material**: ASTM B62
- **Ends**: Solder
- **Size**: ¼” - 3”

### #17
- **Class**: 300
- **Pressure**: 600WOG / 300WSP
- **Seating**: Metal to Metal Seat
- **Bonnet**: Integral Seat
- **Material**: ASTM B61
- **Ends**: Threaded
- **Size**: ¼” - 2”

### #17S
- **Class**: 300
- **Pressure**: 600WOG / 300WSP
- **Seating**: Disc & Seat 403SS
- **Bonnet**: Union
- **Material**: ASTM B61
- **Ends**: Threaded
- **Size**: ½” - 2”

### #18
- **Class**: 300
- **Pressure**: 600WOG / 300WSP
- **Seating**: G/F PTFE Disc
- **Bonnet**: Integral Seat
- **Material**: ASTM B61
- **Ends**: Threaded
- **Size**: ¼” - 2”

⚠️ **WARNING**: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)
## BRONZE CHECK

### # 04
Class 125  
200WOG / 125WSP  
T-Pattern  
Metal to Metal Seat  
Screwed Cap  
ASTM B62  
Threaded Ends  
MSS SP-80, Type 3  
½" - 4"

### # 22
Class 125  
200WOG / 125WSP  
Y-Pattern  
Metal to Metal Seat  
Screwed Cap  
ASTM B62  
Threaded Ends  
MSS SP-80, Type 3  
½" - 3"

### # 23
Class 125  
200WOG / 125WSP  
Y-Pattern  
Metal to Metal Seat  
Screwed Cap  
ASTM B62  
Solder Ends  
MSS SP-80, Type 3  
½" - 3"

### # 22T
Class 125  
200WOG / 125WSP  
Y-Pattern  
PTFE Disc  
Screwed Cap  
ASTM B62  
Threaded Ends  
MSS SP-80, Type 4  
½" - 2"

### # 29
Class 150  
300WOG / 150WSP  
Y-Pattern  
Metal to Metal Seat  
Screwed Cap  
ASTM B62  
Threaded Ends  
MSS SP-80, Type 3  
½" - 3"

### # 19
Class 300  
600WOG / 300WSP  
Y-Pattern  
Metal to Metal Seat  
Screwed Cap  
ASTM B61  
Threaded Ends  
MSS SP-80, Type 3  
½" - 2"
# 07
Class 125
200WOG / 125WSP
NRS
Screwed Bonnet
ASTM B283, C37700 ¾" - 2"
ASTM B584, C84400 2½", 3"
Threaded Ends
KITZ Std.
¾" - 3"

# 27
Class 125
200WOG / 125WSP
NRS
Over Bonnet ¾" - 2"
Screwed Bonnet 2½" - 4"
ASTM B62
Threaded Ends
KITZ Std.
¾" - 4"

# 28
Class 125
200WOG / 125WSP
NRS
Over Bonnet ¾" - 2"
Screwed Bonnet 2½" - 4"
ASTM B62
Solder Ends
KITZ Std.
¾" - 4"

# 01
150WOG / 100WSP
Metal to Metal Seat
Screwed Bonnet
ASTM B584, C84400
Threaded Ends
KITZ Std.
¼" - 4"

# 03
Class 125
200WOG / 125WSP
G/F PTFE Disc
Integral Seat
Union Bonnet
ASTM B584, C84400
Threaded Ends
KITZ Std.
¼" - 3"
BRONZE GLOBE, ANGLE & CHECK

# 02
Class 150
300WOG / 150WSP
Metal to Metal Seat
Screwed Bonnet
ASTM B584, C84400
Threaded Ends
KITZ Std.
1/4" - 3"

# 38 (Angle Globe)
Class 150
300WOG / 150WSP
Metal to Metal Seat
Screwed Bonnet
ASTM B62
Threaded Ends
KITZ Std.
1/4" - 3"

LIFT CHECK

# 36
250WOG
Vertical Lift
Spring Loaded
FPM Disc
Screwed Cap
ASTM B584, C84400
Threaded Ends
KITZ Std.
1/2" - 2"

# 26*
250WOG
Vertical Lift
Spring Loaded
FPM Disc
Screwed Cap
ASTM B584, C84400
Solder Ends
KITZ Std.
1/4" - 2"

* Product discontinued, available while supplies last

CAST IRON / GATE

# 72
Class 125
200WOG / 125WSP
OS&Y Rising Stem
ASTM A126, Class B
Bronze Trim
Flanged
MSS SP-70, Type 1
2" - 14"

# 73
Class 125
200WOG / 125WSP
OS&Y Rising Stem
ASTM A126, Class B
13Cr. Trim
Flanged
MSS SP-70, Type 1
2" - 14"

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.
## IRON GATE GLOBE & BALL

### # 75

| Class 125 |
| 200WOG / 125WSP |
| Non-Rising Stem |
| ASTM A126, Class B |
| Bronze Trim |
| Flanged |
| Position Indicator |
| MSS SP-70, Type 1 |
| 2" - 12" |

### # 76

| Class 125 |
| 200WOG / 125WSP |
| OS&Y Rising Stem |
| ASTM A126, Class B |
| Bronze Trim |
| Flanged |
| MSS SP-85, Type 1 |
| 2" - 8" |

### # 77

| Class 125 |
| 200WOG / 125WSP |
| OS&Y Rising Stem |
| ASTM A126, Class B |
| 13Cr. Trim |
| Flanged |
| MSS SP-85, Type 1 |
| 2" - 8" |

### # 90

| Class 125 |
| 200WOG / 125WSP |
| Split Body |
| Full Port |
| ASTM A126, Class B |
| 304 SS Vented Ball & Stem |
| Flanged |
| MSS SP-72 |
| 2" - 8" |

### # 91

| Class 125 |
| 200WOG / 125WSP |
| Split Body |
| Regular Port |
| ASTM A126, Class B |
| 304 SS Vented Ball & Stem |
| Flanged |
| MSS SP-72 |
| 6" - 10" |
### CHECK

**# 78**
- **Class 125**
- 200WOG / 125WSP
- Swing Type
- ASTM A126, Class B
- Bronze Trim
- Flanged
- MSS SP-71, Type 1
- 2" - 10"

**# 79**
- **Class 125**
- 200WOG / 125WSP
- Swing Type
- ASTM A126, Class B
- 13Cr. Trim
- Flanged
- MSS SP-71, Type 1
- 2" - 10"

### Y-STRAINERS

**# 7032**
- **WAFFER CHECK**
- Class 125
- 200WOG / 125WSP
- Double Disc
- ASTM A126, Class B
- 316 Disc
- Spring Loaded
- EPDM or Buna seat
- 2" - 12"

**# 80**
- **Class 125**
- 200WOG / 125WSP
- Y-Pattern
- ASTM A126, Class B
- 304 Screen
- Flanged
- Bolted Cover
- KITZ Std.
- 2" - 12"

**# 15**
- **300WOG / 150WSP**
- Y-Pattern
- ASTM B584, C84400
- 304 Screen
- Screwed Cap
- ASTM B584, C84400
- Threaded Ends
- Screwed Cap (Tapped drain)
- KITZ Std.
- ½" - 3"

**# 16**
- **300WOG / 150WSP**
- Y-Pattern
- ASTM B584, C84400
- 304 Screen
- Screwed Cap
- ASTM B584, C84400
- Solder Ends
- Screwed Cap (Tapped drain)
- KITZ Std.
- ½" - 2"
LEAD-FREE COPPER ALLOY BALL

Two-Piece Body • Full Port • Vented Ball • Blowout Proof Stem • PTFE Seats and Seals

±NSF/ANSI 61-G & NSF/ANSI 372

CODE #868 (AKTAFN)
THREADED (3/4" - 2"")

CODE #869? (CTAFCN)
SOLDER (3/8" - 2"")

STANDARDS

END TO END KITZ STD.
THREADED ENDS ASME B1.20.1
SOLDER ENDS ASME B16.18†
WALL THICKNESS KITZ STD.
DESIGN MSS SP-110

PRESSURE - TEMPERATURE

600 PSI • NON-SHOCK COLD WORKING PRESSURE (CWP)†
325 PSI at 212°F NON-SHOCK

MATERIAL LIST

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NOTES:
(1) SnNi PLATED
(2) ELECTROPLATED COATING OF ZINC AND PLASTIC COVERING
† P.T.LIMITS FOR SOLDER JOINT VALVES PER ASME B16.18

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*Product complies with NSF/ANSI Standard 61 Annex G, NSF/ANSI Standard 372 and conforms with lead content requirements for “lead free” plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act that went into effect January 2014.
As noted, valves shown on the preceding pages comply with the applicable standards listed below for design, materials, and testing. KITZ valves are manufactured in ISO 9001 Certified production facilities. As the first valve manufacture ISO 9000 certified you can be assured that you are receiving valves of the highest quality and unparalleled service.

MANUFACTURERS STANDARDIZATION SOCIETY (MSS) of the Valve and Fitting Industry, Inc.

- **SP-25**: Standard Marking System for Valves, Fittings, Flanges and Unions
- **SP-67**: Butterfly Valves
- **SP-70**: Cast Iron Gate Valves - Flanged and Threaded Ends
- **SP-71**: Grey Iron Swing Check Valves, Flanged and Threaded Ends
- **SP-72**: Ball Valves with Flanged or Butt-Weld Ends for General Service
- **SP-80**: Bronze Gate, Globe, Angle and Check Valves
- **SP-85**: Grey Iron Globe & Angle Valves, Flanged and Threaded Ends
- **SP-110**: Ball Valves Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends

AMERICAN PETROLEUM INSTITUTE (API)

- **API 607**: Fire Test for Soft Seated Quarter-Turn Valves
- **API 609**: Butterfly Valves: Double Flanged, Lug- and Wafer-Type

3rd PARTY CERTIFICATIONS*

CSA INTERNATIONAL

- **CGA 9.1b-2006/ANSI Z21.15b-2006**: Manually Operated Gas Valves For Appliances, Appliance Connector Valves And Hose End Valves
- **CGA requirement CR91-002**: Manually Operated Gas Valves For Use On Piping
- **CAN/CGA-3.16-M88**: Lever Operated Non-Lubricated Gas Shut-Off Valves
- **ASME B16.33-2002(R2007)**: Manually Operated Metallic Gas Valves For Use In Gas Piping Systems Up To 125 psig (¼” thru 2”)

UNDERWRITERS LABORATORIES

- **ANSI/UL125**: Valves for Anhydrous Ammonia and LP-Gas (other than Safety Relief)
  - YSDT - LP-Gas Shutoff Valves, Maximum Working Pressure 250 psig
- **UL Subject 258**: Outline of Investigation for Shutoff Valves for Trim and Drain Purposes
  - VQGU - Valves, Trim and Drain, 175 psig Max.
- **UL 842**: Valves For Flammable Fluids
  - YRBX - Flammable Liquid Shutoff Valves, Maximum Working Pressure 250 psig
  - YRPV - Gas Shutoff Valves, Maximum Working Pressure 250 psig
- **UL 1769**: Cylinder Valves
  - YQNZ - Compressed Gas Shutoff Valves, Maximum Working Pressure 250 psig

FM APPROVALS

- Classification No. 1140 - 175 psig (1205 kPa) rated working pressure

ANSI / NSF 61 & 372 - Drinking Water System Components

All KITZ LEAD FREE products comply with NSF/ANSI Standard 61 Annex G, NSF/ANSI Standard 372 and conform with lead content requirements for “lead free” plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act that went into effect January 2014.

* For specific information, contact KITZ Corporation of America directly.
## CROSS REFERENCE*

### BALL

#### BRONZE & BRASS

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*This cross reference chart is provided for the convenience of our customers. Valves listed may not be identical in design, materials of construction or basic pressure rating. KITZ catalogs and those of other valve manufacturers should be consulted for complete details.*
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## CROSS REFERENCE

**BUTTERFLY VALVES**

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*This cross reference chart is provided for the convenience of our customers. Valves listed may not be identical in design, materials of construction or basic pressure rating. KITZ catalogs and those of other valve manufacturers should be consulted for complete details.*
ACCEPTANCE
All quotations are for acceptance within 30 days from date of quotation unless extended in writing. In the event a purchase order is placed after this time, the Seller’s company reserves the right to requote prices of all valves offered. All orders and contracts are subject to credit approval and acceptance by KITZ.

FREIGHT
All materials will be shipped F.O.B. point of shipment - no freight allowance unless otherwise stated and agreed upon with the Buyer.

PRICES
There will be added to all prices quoted any sales, excise, or similar tax which Seller may be required to collect on or in connection with the sale. Seller reserves the right to cancel any order in the event that selling prices shall be established by Federal, State or other governmental regulation with respect to the products covered by the order which shall be lower than the prices specified in the order.

ESCALATION TERMS
Prices shown in this price schedule reflect the costs in effect at the time of publication. These prices will remain firm on all products with a quoted delivery of twenty six (26) weeks or less. On products with a quoted delivery of more than 26 weeks, the Seller has a right to price and invoice at the applicable price sheet in effect at the time of shipment. In no event will the invoiced price be less than price originally quoted.

DEFERRED SHIPMENTS
If for any reason the Buyer desires to delay shipments more than 30 days after manufacturing or to place a hold or to stop the order during the manufacturing cycle, the Seller’s company reserves the right to consider the order cancelled and to invoke cancellation charges.

CREDIT TERMS
As quoted. Overdue balances will be subject to 1.5% service charge per month on such indebtedness.

DELIVERIES
Shipments made to the Buyer shall at all times be subject to the approval of Seller’s Credit Department. All schedules of shipments are estimated as closely as possible and Seller will use its best effort to ship within the time schedule but does not guarantee to do so. Seller shall not be liable for any direct, indirect, or consequential damage or loss caused by delay in delivery, regardless of the cause of delay. Items offered from stock are subject to prior sale.

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No returns are allowed without prior arrangements made with the Seller. Product considered for return must be in new, resalable condition and of current design.

WARRANTY
Seller will replace without charge or refund the purchase price of products manufactured by Seller which prove to be defective in material or workmanship, provided in each case that the product is properly installed and is used in the service for which Seller recommends it and that written claim, specifying the alleged defect, is presented to the Seller within one year from the date of shipment. For Copper Alloy and Iron valves sold and installed in the U.S. the warranty* is five years. Seller shall in no event be responsible for claims of A) labor, expenses, or other damages occasioned by defective parts or products or for B) consequential or secondary damages. The Warranty stated in this paragraph is in lieu of all other warranties, either expressed or implied. With respect to warranties, this paragraph states Buyer’s exclusive remedy and Seller’s exclusive liability.

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Because of a policy of continuous product improvement, Seller reserves the right to change design, materials or specifications without notice. There will be a charge for modifying an order after it has been entered when such change or modification results in additional engineering or clerical work for either KITZ or its suppliers.

NOTE
KITZ reserves the right to correct any obvious clerical errors in quotations, invoices and other contracts.

*K-Press warranty is limited to two years.
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For any specific application, users are kindly requested to contact KITZ Corporation for technical advice, or to carry out their own study and evaluation for proving suitability of these products to such an application. Failure to follow this request could result in property damage and/or personal injury, for which we shall not be liable.

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KITZ Corporation of America, Stafford, Texas