

JABO SUPPLY

WATER WORKS COMPRESSION BRASS



SINCE 1964 SINCE IS MORE THAN A PROMISE

JABO SUPPLY



5 LOCATIONS

PARKERSBURG, WV

10085 Emerson Avenue 26102
(304) 464-4400

NORTON, VA

205 Hawthorne Drive, 24273
(276) 679-1224

MORGANFIELD, KY

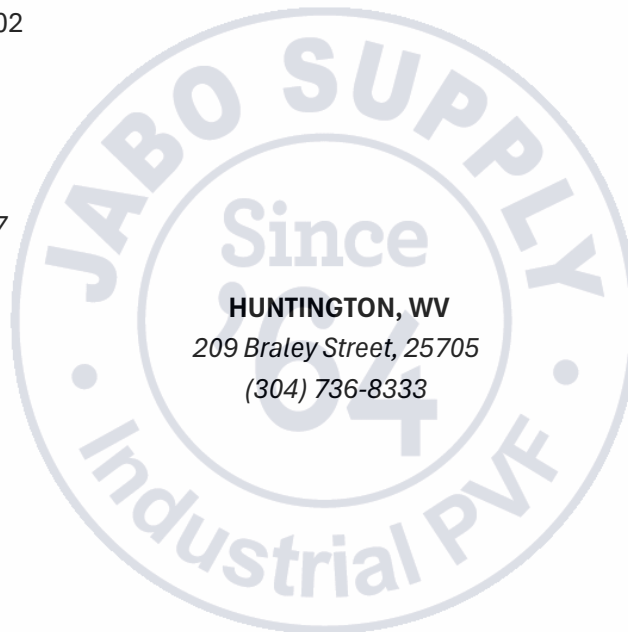
118 Jim Veatch Road, 42437
(270) 389-3430

BEAVER, WV (BECKLEY)

227 C&O Shop Road 25813
(304) 252-0000

HUNTINGTON, WV

209 Braley Street, 25705
(304) 736-8333



SINCE 1964 SERVICE IS MORE THAN A PROMISE

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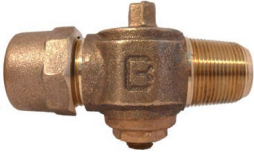


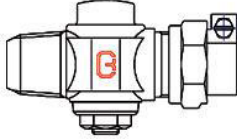
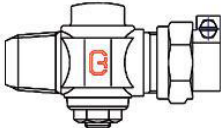


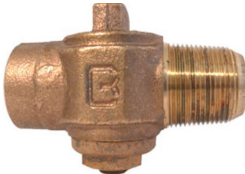
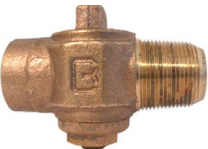

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CORP STOPS








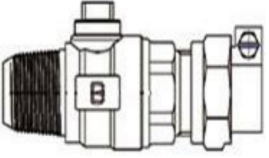

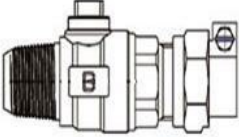


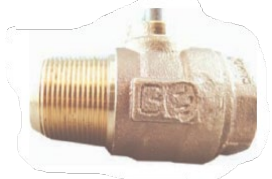

PLUG 100 PSI (PAGES 51-55)

| PLUG CORP 100 PSI | PLUG CORP 100 PSI | PLUG CORP 100 PSI | PLUG CORP 100 PSI |
|---|---|--|---|
| <i>AWWA X CAMPAK (CTS)</i> | <i>MIP X CAMPAK (CTS)</i> | <i>AWWA X GRIP JOINT (CTS)</i> | <i>MIP X GRIP JOINT (CTS)</i> |
|  |  |  |  |
| PAGE 52 | PAGE 52 | PAGE 52 | PAGE 52 |
| PLUG CORP 100 PSI | PLUG CORP 100 PSI | PLUG CORP 100 PSI | PLUG CORP 100 PSI |
| <i>AWWA X CB COMPRESSION (CTS)</i> | <i>MIP X CB COMPRESSION</i> | <i>AWWA X PEP SIDR 7 (IPS)</i> | <i>MIP X PEP SIDR 7 (IPS)</i> |
|  |  |  |  |
| PAGE 53 | PAGE 53 | PAGE 53 | PAGE 53 |
| PLUG CORP 100 PSI | PLUG CORP 100 PSI | PLUG CORP 100 PSI | PLUG CORP 100 PSI |
| <i>AWWA X PVC COMPRESSION (IPS)</i> | <i>MIP X PVC COMPRESSION (IPS)</i> | <i>MIP X FIP</i> | <i>MIP X MIP</i> |
|  |  |  |  |
| PAGE 54 | PAGE 54 | PAGE 54 | PAGE 54 |
| PLUG CORP 100 PSI | PLUG CORP 100 PSI | | |
| <i>AWWA X FIP</i> | <i>AWWA X MIP</i> | | |
|  |  | | |
| PAGE 55 | PAGE 55 | | |

PICTURE INDEX

CORP STOPS

BALL 300 PSI PAGE 10-14





| | | | |
|--|---|--|---|
| BALL CORP 300 PSI | BALL CORP 300 PSI | BALL CORP 300 PSI | BALL CORP 300 PSI |
| <i>AWWK X CAMPAK (CTS)</i> | <i>MIP X CAMPAK (CTS)</i> | <i>AWWA X GRIP JOINT CTS</i> | <i>MIP X GRIP JOINT (CTS)</i> |
|  |  |  |  |
| PAGE 57 | PAGE 57 | PAGE 57 | PAGE 57 |
| BALL CORP 300 PSI | BALL CORP 300 PSI | BALL CORP 300 PSI | BALL CORP 300 PSI |
| <i>AWWA X CB COMPRESSION (CTS)</i> | <i>MIP X CB COMPRESSION (CTS)</i> | <i>AWWA X PEP SIDR 7 (IPS)</i> | <i>MIP X PEP SIDR 7 IPS</i> |
|  |  |  |  |
| PAGE 58 | PAGE 58 | PAGE 58 | PAGE 58 |
| BALL CORP 300 PSI | BALL CORP 300 PSI | BALL CORP 300 PSI | BALL CORP 300 PSI |
| <i>AWWA X PVC (IPS)</i> | <i>MIP X PVC IPS</i> | <i>MIP X FIP</i> | <i>MIP X MIP</i> |
|  |  |  |  |
| PAGE 58 | PAGE 58 | PAGE 58 | PAGE 58 |
| BALL CORP 300 PSI | BALL CORP 300 PSI | | |
| <i>AWWA X FIP</i> | <i>AWWA X MIP</i> | | |
|  |  | | |
| PAGE 59 | PAGE 59 | | |



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BRASS SADDLES

C900 PVC / IPS PVC (PAGES 61-63)

| C900 PVC | C900 PVC | IPS PVC | IPS PVC |
|---|---|--|---|
| <i>4"-8" HINDGE</i> | <i>10"-12" TWO BOLT</i> | <i>4"-8" HINDGE</i> | <i>10"-12" TWO BOLT</i> |
|  |  |  |  |
| PAGE 62 | PAGE 62 | PAGE 63 | PAGE 63 |

PICTURE INDEX

CURB STOPS



202NL FULL PORT BALL VALVES (PAGES 64-67)

| | | | |
|---|---|--|---|
| CTS X CTS | CTS X CTS | CTS X CTS | CTS X FIP |
| CAMPAK X CAMPAK (CTS X CTS) | CB X CB (CTS X CTS) | GRIP X GRIP (CTS X CTS) | CAMPAK X FIP (CTS X FIP) |
|  |  |  |  |
| PAGE 65 | PAGE 65 | PAGE 65 | PAGE 66 |
| CTS XFIP | CTS X IPS SIDR 7 | IPS SIDR 7 X IPS SIDR 7 | FIP X FIP |
| CB X FIP (CTS X FIP) | CAMPAK X PEP SIDR 7 (CTS X IPS) | PEP SIDR 7 X PEP SIDR 7 (IPS X IPS) | FIP X FIP |
|  |  |  |  |
| PAGE 66 | PAGE 66 | PAGE 66 | PAGE 67 |
| IPS PVC X IPS PVC | IPS PVC X FIP | OTHER OPTIONS AVAILABLE | |
| PVC IPS X PVC IPS (IPS X IPS) | PVC IPS X FIP (IPS X FIP) | OTHER OPTIONS AVAILABLE NON STOCK | |
|  |  | CALL JABO SUPPLY IF YOU DO NOT SEE YOUR CURB STOP LISTED | |
| PAGE 67 | PAGE 67 | PAGE 67 | |

PICTURE INDEX

METER VALVES





210NL-BALL STYLE ANGLE VALVE -FULL PORT (PAGE 69)

| CTS X METER | CTS X FIP |
|---|---|
| <i>CAMPAK X METER NUT (CTS X METER)</i> | <i>CAMPAK X FIP (CTS X FIP)</i> |
|  |  |
| PAGE 69 | PAGE 69 |

212NL-BALL STYLE STRAIGHT VALVE-FULL PORT-WITH LOCK (PAGES 70-71)

| CTS X CTS | CTS X CTS | CTS X CTS | CTS X FIP |
|---|---|---|--|
| <i>CAMPAK X CAMPAK (CTS X CTS)</i> | <i>CB X CB COMPRESSION (CTS X CTS)</i> | <i>CAMPAK X FIP (CTS X FIP)</i> | <i>CB X FIP (CTS X FIP)</i> |
|  |  |  |  |
| PAGE 70 | PAGE 70 | PAGE 71 | PAGE 71 |
| FIP X FIP | OTHER OPTIONS | | |
| <i>FIP X FIP</i> | <i>OTHER OPTIONS AVAILABLE NON STOCK</i> | | |
|  | <p>CALL JABO SUPPLY IF YOU DO NOT SEE YOUR CURB STOP LISTED</p> | | |
| PAGE 71 | PAGE 71 | | |




214NL-BALL STYLE ANGLE VALVE REDUCED PORT WITH LOCK (PAGE 72-73)

| CTS X FIP | CTS X FIP | CTS X FIP | CTS X METER NUT |
|--|--|---|--|
| <i>CAMPAK X FIP (CTS X FIP)</i> | <i>CB X FIP (CTS X FIP)</i> | <i>GRIP X FIP (CTS X FIP)</i> | <i>CAMPAK X METER NUT (CTS X METER)</i> |
| <i>PIC CB X FIP</i>  | <i>PIC CB X FIP</i>  | <i>PIC CB X FIP</i>  | <i>PIC CB X METER NUT</i>  |
| PAGE 72 | PAGE 72 | PAGE 72 | PAGE 73 |

PICTURE INDEX

METER VALVES

214NL-CONT. BALL STYLE ANGLE VALVE REDUCED PORT WITH LOCK

| CTS X METER NUT | | CTS X METER NUT | | FIP X METER NUT | |
|-------------------------------------|---|---------------------------------------|---|---------------------------|--|
| <i>CB X METER NUT (CTS X METER)</i> | | <i>GRIP X METER NUT (CTS X METER)</i> | | <i>FIP X METER NUT</i> | |
| <i>PIC CB X METER NUT</i> |  | <i>PIC CB X METER NUT</i> |  | <i>PIC CB X METER NUT</i> |  |
| PAGE 73 | | PAGE 73 | | PAGE 73 | |


224NL-BALL STYLE ANGLE STRAIGHT VALVE REDUCED PORT WITH LOCK (PAGE 74-75)

| CTS X CTS | | CTS X CTS | | CTS X CTS | | CTS X CTS | |
|------------------------------------|---|--------------------------------|---|----------------------------|--|--|--|
| <i>CAMPAK X CAMPAK (CTS X CTS)</i> | | <i>GRIP X GRIP (CTS X CTS)</i> | | <i>CB X CB (CTS X CTS)</i> | | <i>CAMPAK X FIP</i> | |
| <i>PIC CB X CB</i> |  | <i>PIC CB X CB</i> |  | <i>PIC CB X CB</i> |  |  | |
| PAGE 74 | | PAGE 74 | | PAGE 74 | | PAGE 75 | |
| CTS X FIP | | CTS X FIP | | CTS X FIP | | | |
| <i>GRIP X FIP (CTS X FIP)</i> | | <i>CB X FIP (CTS X FIP)</i> | | <i>FIP X FIP</i> | | | |
| <i>PIC IS CAMPAK X FIP</i> |  | <i>PIC IS CAMPAK X FIP</i> |  | <i>PIC IS CAMPAK X FIP</i> |  | | |
| PAGE 75 | | PAGE 75 | | PAGE 75 | | | |

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SERVICE LINE FITTINGS

105NL-ELBOWS (PAGES 77-80)

| | | | |
|---|---|--|---|
| CTS X CTS | CTS X CTS | CTS X CTS | CTS X FIP |
| <i>CAMPAK X CAMPAK (CTS X CTS)</i> | <i>GRIP X GRIP (CTS X CTS)</i> | <i>CB X CB COMPRESSION (CTS X CTS)</i> | <i>CAMPACK X FIP (CTS X FIP)</i> |
|  |  |  |  |
| PAGE 78 | PAGE 78 | PAGE 78 | PAGE 78 |
| CTS X FIP | CTS X FIP | CTS X MIP | CTS X MIP |
| <i>GRIP X FIP (CTS X FIP)</i> | <i>CB X FIP (CTS X FIP)</i> | <i>CAMPAK X MIP (CTS X MIP)</i> | <i>GRIP X MIP (CTS X MIP)</i> |
|  |  |  |  |
| PAGE 78 | PAGE 78 | PAGE 79 | PAGE 79 |
| CTS X MIP | IPS SIDR 7 X IPS SDR 7 | IPS PVC X IPS PVC | COPPER FLARE X COPPER FLARE |
| <i>CB X MIP (CTS X MIP)</i> | <i>PEP SIDR 7 X PEP SIDR 7 (IPS X IPS)</i> | <i>PVC X PVC (IPS X IPS)</i> | <i>COPPER FLARE X COPPER FLARE</i> |
|  |  |  |  |
| PAGE 80 | PAGE 80 | PAGE 80 | PAGE 81 |
| COPPER FLARE X FIP | COPPER FLARE X MIP | HYSTITE | |
| <i>COPPER FLARE X FIP</i> | <i>COPPER FLARE X MIP</i> | HYSTITE | |
|  |  | NON STOCK | |
| PAGE 81 | PAGE 81 | NON STOCK | |

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SERVICE LINE FITTINGS





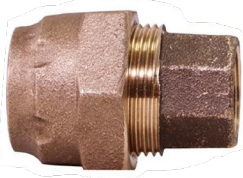
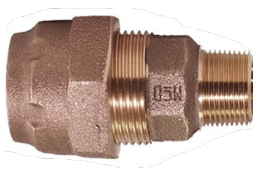






117NL-ADAPTERS (PAGE 81-90)

| | | | |
|---|---|--|---|
| CTS X FIP | CTS X FIP | CTS X FIP | CTS X MIP |
| <i>CAMPAK X FIP (CTS X FIP)</i> | <i>GRIP X FIP (CTS X FIP)</i> | <i>CB COMPRESSION X FIP (CTS X FIP)</i> | <i>CAMPAK X MIP (CTS X MIP)</i> |
|  |  |  |  |
| PAGE 82 | PAGE 82 | PAGE 82 | PAGE 83 |
| CTS X MIP | CTS X MIP | CTS X FIP COPPER FLARE | CTS X FIP COPPER FLARE |
| <i>GRIP X MIP (CTS X MIP)</i> | <i>CB COMPRESSION X MIP (CTS X MIP)</i> | <i>CAMPAK X FIP COPPER FLARE</i> | <i>GRIP X FIP COPPER FLARE</i> |
|  |  |  |  |
| PAGE 83 | PAGE 83 | PAGE 84 | PAGE 84 |
| CTS X FIP COPPER FLARE | COPPER FLARE X FIP | COPPER FLARE X MIP | COPPER FLARE X FEMALE COPPPER FLARE |
| <i>CB X FIP COPPER FLARE</i> | <i>COPPER FLARE X FIP</i> | <i>COPPER FLARE X MIP</i> | <i>COPPER FLARE X FEMALE COPPPER FLARE</i> |
|  |  |  |  |
| PAGE 84 | PAGE 85 | PAGE 85 | PAGE 85 |
| IPS SIDR 7 X FIP | IPS SIDR 7 X MIP | IPS SIDR 7 X BRITISH STD MIP | IPS SIDR 7 X FEMALE FLARE |
| <i>PEP SIDR 7 X FIP</i> | <i>PEP SIDR X MIP</i> | <i>PEP SIDR X BRITISH STD MIP</i> | <i>PEP SIDR 7 X FEMALE FLARE</i> |
|  |  |  |  |
| PAGE 86 | PAGE 86 | PAGE 86 | PAGE 86 |

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SERVICE LINE FITTINGS





117NL-ADAPTERS CONTINUED (PAGE 81-90)

| PVC IPS X FIP | PVC IPS X MIP | IPS GALVANIZED X FIP | IPS GALVANIZED X MIP |
|---|---|--|---|
| <i>PVC X FIP</i> | <i>PVC X MIP</i> | <i>IP X FIP</i> | <i>IP X MIP</i> |
|  |  |  |  |
| PAGE 87 | PAGE 87 | PAGE 88 | PAGE 88 |
| RANGER WIDE RANGE | RANGER WIDE RANGE | RANGER WIDE RANGE | CAMBRIDGE WIDE RANGE |
| <i>RANGER X FIP</i> | <i>RANGER X MIP</i> | <i>RANGER X RANGER</i> | <i>CAMBRIDGE X FIP</i> |
|  |  |  |  |
| PAGE 89 | PAGE 89 | PAGE 89 | PAGE 89 |
| CAMBRIDGE WIDE RANGE | CAMBRIDGE WIDE RANGE | YOKE X MIP | YOKE X CTS |
| <i>CAMBRIDGE X MIP</i> | <i>CAMBRIDGE X CAMBRIDGE</i> | <i>MIP X YOKE STRAIGHT COUPLING</i> | <i>CTS X YOKE STRAIGHT COUPLING</i> |
|  |  |  |  |
| PAGE 89 | PAGE 89 | PAGE 90 | PAGE 90 |

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SERVICE LINE FITTINGS

118NL-COUPPLINGS WITH STOPS (PAGES 91-92)

| CTS X CTS | CTS X CTS | CTS X CTS | CTS X COPPER FLARE |
|--|---|--|---|
| <i>CAMPAK X CAMPAK CTS X CTS</i> | <i>GRIP X GRIP (CTS X CTS)</i> | <i>CB X CB (CTS X CTS)</i> | <i>CB X COPPER FLARE (CTS X COPPER FLARE)</i> |
|  |  |  |  |
| PAGE 92 | PAGE 92 | PAGE 92 | PAGE 92 |


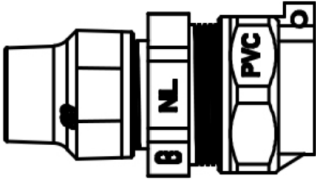


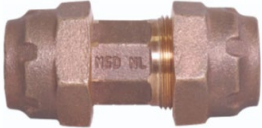

119NL-COUPPLINGS WITHOUT STOPS (93-98)

| CTS X CTS | CTS X CTS | CTS X CTS | IPS SIDR 7 X IPS SIDR 7 |
|--|---|--|---|
| <i>CAMPAK X CAMPAK CTS X CTS</i> | <i>GRIP X GRIP (CTS X CTS)</i> | <i>CB X CB (CTS X CTS)</i> | <i>PEP SIDR 7 X PEP SIDR 7</i> |
|  |  |  |  |
| PAGE 94 | PAGE 94 | PAGE 94 | PAGE 95 |
| <i>IPS PVC X IPS PVC</i> | <i>IPS GALVANIZED</i> | <i>CTS X IPS SIDR 7</i> | <i>CTS X IPS SIDR 7</i> |
| <i>PVC X PVC (IPS PVC X IPS PVC)</i> | <i>IP GALVANIZED PIPE</i> | <i>CAMPAK X SIDR 7 (CTS X IPS SIDR 7)</i> | <i>CB X SIDR 7 (CTS X IPS SDR 7)</i> |
|  |  |  |  |
| PAGE 95 | PAGE 95 | PAGE 96 | PAGE 96 |
| <i>CTS X PVC IPS</i> | <i>CTS X PVC IPS</i> | <i>CTS X IPS GALVANIZED</i> | <i>CTS X IPS GALVANIZED</i> |
| <i>CAMPAK X PVC IPS (CTS X PVC IPS)</i> | <i>CB X PVC (CTS X PVC IPS)</i> | <i>CAMPAK X IP GALVANIZED</i> | <i>GRIP X IP GALVANIZED</i> |
|  |  |  |  |
| PAGE 96 | PAGE 96 | PAGE 97 | PAGE 97 |





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SERVICE LINE FITTINGS




119NL-COUPPLINGS WITH OUT STOPS CONTINUED (PAGES 93-98)

| CTS X IPS GALVANIZED | COPPER FLARE X IPS PVC | IPS SIDR 7 X IPS PVC | IPS SIDR 7 X IPS GALVANIZED |
|---|---|--|---|
| <i>CB X IP GALVANIZED</i> | <i>COPPER FLARE X PVC</i> | <i>PEP SIDR 7 X PVC</i> | <i>PEP SIDR 7 X IP GALVANIZED</i> |
|  |  |  |  |
| PAGE 97 | PAGE 97 | PAGE 97 | PAGE 97 |
| WIDE RANGE | | WIDE RANGE | |
| <i>RANGER X RANGER (SIZE ON SIZE)</i> | | <i>(1/4 DIFFENCE)</i> | |
|  |  | | |
| PAGE 98 | PAGE 98 | | |

150NL- SERVICE TEES (PAGES 99-100)

| CTS X CTS | CTS X CTS | CTS X CTS | IPS SIDR 7 X IPS SIDR 7 |
|--|---|--|---|
| <i>CAMPAK X CAMPAK</i> | <i>GRIP X GRIP</i> | <i>CB X CB COMPRESSION</i> | <i>PEP SIDR 7 X PEP SIDR 7</i> |
|  |  |  |  |
| PAGE 101 | PAGE 101 | PAGE 101 | PAGE 101 |

152NL SERVICE WYE BRANCHES (PAGES 101-102)

| CTS X CTS | CTS X CTS | CTS X CTS |
|---|---|--|
|  |  |  |
| PAGE 102 | PAGE 102 | PAGE 102 |

**OTHER TEES & WYE ARE
AVAILABLE CONTACT YOUR
JABO CUSTOMER SERVICE
REP FOR ADDITIONAL
INFORMATION**






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SERVICE LINE FITTINGS

NUT ASSEMBLIES & ACCESSORIES (PAGES 103-105)

| CTS | CTS | CTS | IPS SDR 7 |
|---|---|--|---|
| <i>CAMPAK</i> | <i>GRIP JOINT</i> | <i>CB COMPRESSION</i> | |
|  |  |  |  |
| PAGE 104 | PAGE 104 | PAGE 104 | PAGE 104 |
| DUAL PURPOSE NUT | IPS GALVANIZED | SQUARE NUT | HANDLES |
| <i>DUAL PURPOSE NUT</i> | <i>IP GALVANIZED</i> | <i>2" SQUARE OPERATING NUT</i> | <i>HANDLES</i> |
|  |  |  |  |
| PAGE 104 | PAGE 104 | PAGE 105 | PAGE 105 |


STIFFENERS (PAGES 106-108)

| SIZING CHART | CTS SDR-9 | IPS PEP SDR 7 | IPS SIZE PLASTIC PIPE SDR 11 |
|--|---|--|---|
| <i>CHART</i> | <i>SERIES 86</i> | <i>SERIES 87</i> | <i>SERIES 89</i> |
| MATCH YOUR STIFFENER TO YOU PIPE |  |  |  |
| PAGE 107 | PAGE 108 | PAGE 108 | PAGE 108 |
| IPS SIZE PLASTIC PIPE SDR 17 | IPS SIZE PLASTIC PIPE SDR-9 | | |
| <i>SERIES 84</i> | <i>SERIES 86</i> | | |
|  |  | | |
| NON STOCK | NON STOCK | | |

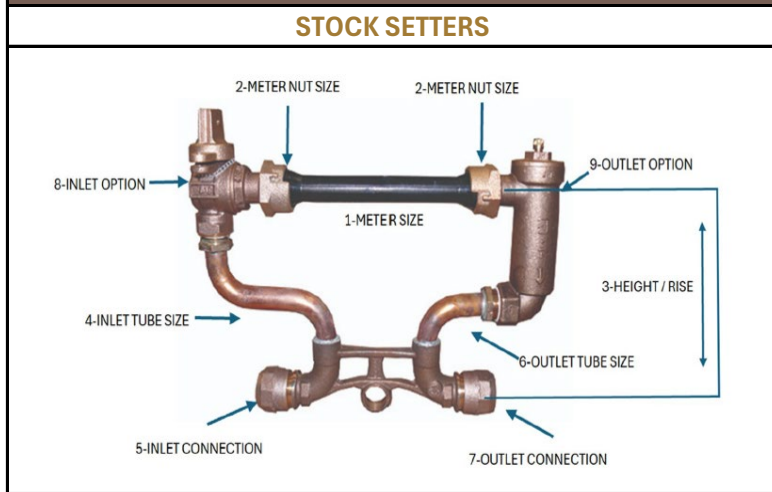
PICTURE INDEX

METER SETTERS

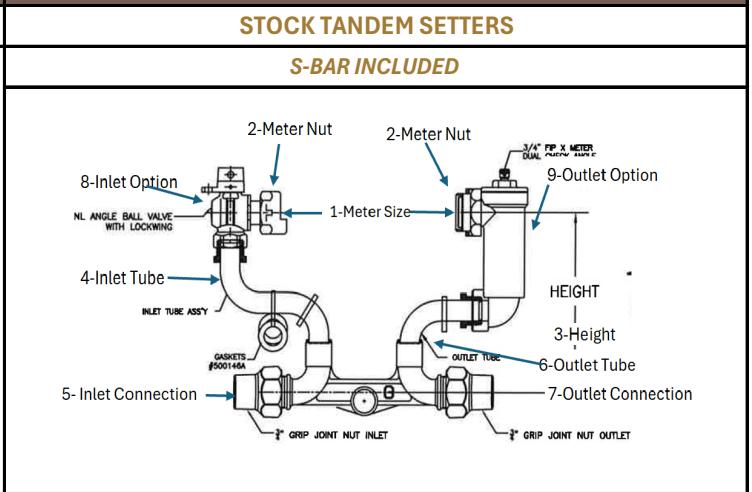
METER SETTERS (PAGES 109-117)

| METER SETTERS | METER SETTERS | METER SETTERS | SERVICE IS MORE THAN A PROMISE |
|--|--|--|---|
| <i>IDENTIFY CAMBRIDGE NUMBER</i> | <i>COMPLETE SETTER LISTING</i> | <i>CALL JABO FOR ASSISTANCE</i> |  |
| CAMBRIDGE BRASS METER SETTER PART NUMBERING | CAMBRIDGE OFFERS A WIDE RANGE OF SETTERS AND OPTIONS. | HOW TO BUILD A NON STOCK SETTER | |
| PAGE 111 | PAGE 111-112 | PAGE 113 | |

| STOCK HORIZONTAL INLET & OUTLET SETTERS | TANDEM SETTER |
|---|---------------|
|---|---------------|

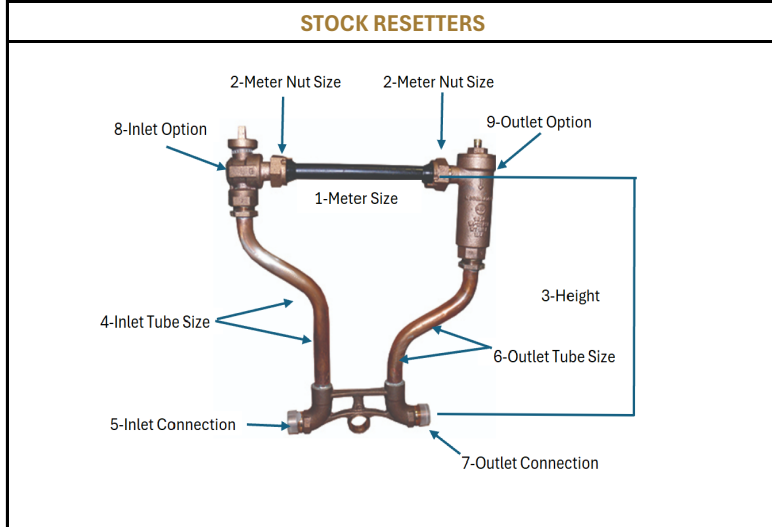


PAGE 114

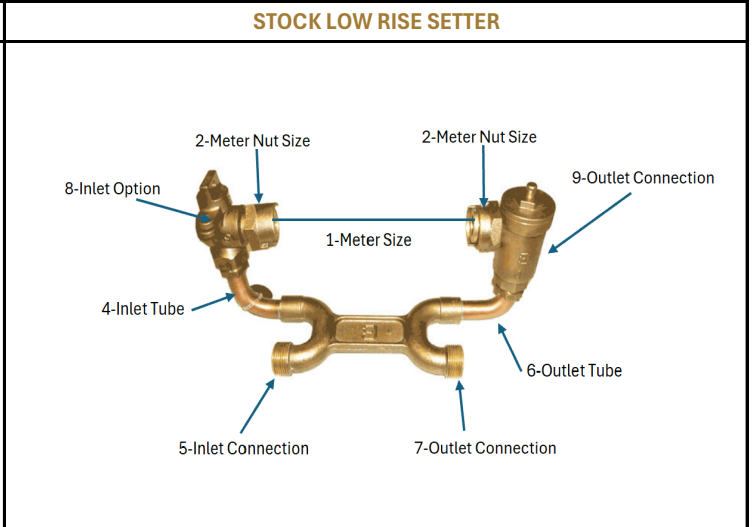


PAGE 115

| RESETTER | LOW RISE METER SETTER |
|----------|-----------------------|
|----------|-----------------------|



PAGE 116






PAGE 117


PICTURE INDEX

METER FITTINGS ASSESSORIES

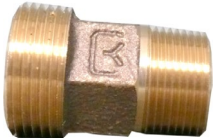
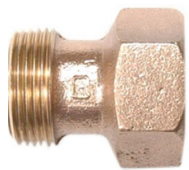

417NL- STRAIGHT METER COUPLINGS (PAGE 119)

| METER NUT X CTS | METER NUT X CTS | METER NUT X MIP | ADDITIONAL STRAIGHT |
|---|---|--|---|
| <i>METER NUT X CAMPAK</i> | <i>METER NUT X CB COMPRESSION</i> | <i>SERIES 417</i> | <i>CALL CSR FOR MORE DETAILS</i> |
|  | <i>PICTURE IS METER X CAMPAK</i>  |  | Meter Nut X Solder Meter Nut X IP (Galvanized) Pipe Meter Nut X FIP Meter Nut X C903 Pex Meter Coupling FIP X MIP Coupling |
| PAGE 119 | PAGE 119 | PAGE 119 | NON STOCK /NOT IN CATALOG |




ANGLE METER COUPLINGS (NON STOCK-NOT IN CATALOG)

| ADDITIONAL ANGLE | EIGHT BEND COUPLING |
|--|---|
| <i>SERIES 405NL</i> | <i>SERIES 406</i> |
| Meter Nut X MIP Meter Nut X Campak Meter Nut X CB Meter Nut X FIP Meter Nut X Solder Meter Nut X Grip |  |
| NON STOCK NOT IN CATALOG | NON STOCK NOT IN CATALOG |

METER BUSHINGS & ADAPTORS (PAGE 120)

| METER THEADS X MIP | METER SIZING BUSHING | METER INCREASING BUSHING | METER ADAPTER |
|---|---|--|---|
| <i>REGULATOR ADAPTOR FOR TANDEM SETTERS</i> | <i>SERIES 440NL</i> | <i>SERIES 440NL</i> | <i>JABO SUPPLY</i> |
|  |  |  |  |
| PAGE 120 | PAGE 120 | PAGE 120 | PAGE 120 |


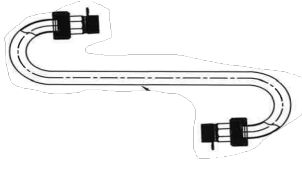
METER GASKETS (PAGE 121)

| FLANGED METER GASKET | RUBBER METER GASKET | GASKET FOR SEAL METER & YOKE |
|---|---|--|
| <i>FLANGED METER GASKET</i> | <i>RUBBER METER GASKET</i> | <i>SEALS METER & YOKE CONNECTIONS</i> |
|  |  |  |
| PAGE 121 | PAGE 121 | PAGE 121 |



PICTURE INDEX

METER & ASSESSORIES




METER BARS (PAGE 122)

| IDLER BAR | S BAR |
|--|---|
|  |  |
| PAGE 122 | PAGE 122 |

FLANGES & BOLTS (PAGE 122)

| BRASS METER FLANGES | BOLT KIT FOR METER FLANGES |
|--|--|
| <i>KIT</i> | ZINC |
|  |  |
| PAGE 122 | PAGE 122 |



SINGLE & DUAL CHECK VALVES (PAGE 123)

| ANGLE DUAL CHECK | ANGLE CASCADING DUAL CHECK | SINGLE CHECK | |
|---|---|---|--|
| <div style="display: flex; align-items: center;"> <div style="margin-right: 10px; color: #0070C0; font-weight: bold;">SERIES 500NL</div>  </div> | <div style="display: flex; align-items: center;"> <div style="margin-right: 10px; color: #0070C0; font-weight: bold;">SERIES 501NL</div>  </div> | <div style="display: flex; align-items: center;"> <div style="margin-right: 10px; color: #0070C0; font-weight: bold;">SERIES 590NL</div>  </div> | |
| PAGE 123 | PAGE 123 | PAGE 123 | |

PICTURE INDEX

IRON YOKES

YOKE BARS AND GASKETS (PAGE 125-127 STEP 1)

| BUILDING IRON YOKE SETTER | IRON YOKE STD | IRON YOKE PRONGS |
|--|---|--|
| <i>HOW TO BUILD IRON YOKE ASSEMBLY</i> | SERIES 460 | SERIES 461 |
| |  |  |
| PAGES 125-127 | PAGE 128 | PAGE 128 |




EXPANSION CONNECTIONS (PAGE 129) STEP 2

| HAND WHEEL TYPE | WRENCH TYPE | LOCK WING SOCKET SCREW | INVERTED KEY |
|--|--|---|---|
| SERIES 430NL | SERIES 431NL | SERIES 432NL | SERIES 433 |
|  |  |  |  |
| PAGE 129 | PAGE 129 | PAGE 129 | PAGE 129 |

210NL ANGLE VALVE WITH YOKE CONNECTION BALL VALVE (PAGES 130) STEP 3

| CTS X YOKE | | CTS X YOKE | | CTS X YOKE | | FIP X YOKE | |
|------------|---|---------------|---|-------------|--|------------|---|
| CB X YOKE |  | CAMPAK X YOKE |  | GRIP X YOKE |  | FIP X YOKE |  |
| PAGE 130 | | PAGE 130 | | PAGE 130 | | PAGE 130 | |


212 NL STRAIGHT YOKE VALVE BALL STYLE (PAGE 131) STEP 3

| CTS X YOKE | | CTS X YOKE | | CTS X YOKE | | FIP X YOKE | |
|------------|---|---------------|---|-------------|--|------------|---|
| CB X YOKE |  | CAMPAK X YOKE |  | GRIP X YOKE |  | FIP X YOKE |  |
| PAGE 131 | | PAGE 131 | | PAGE 131 | | PAGE 131 | |


PICTURE INDEX

IRON YOKES





500NL ANGLE DUAL CHECK VALVES (PAGE 132) STEP 4

| CB | CAMPAK | GRIP | FIP |
|--|---|---|---|
|  |  |  |  |
| PAGE132 | | | |

117NL STRAIGHT COUPLING WITH YOKE (PAGES 133-134) STEP 4

| CTS X YOKE | FIP X YOKE | CTS X YOKE | CTS X YOKE |
|--|---|--|---|
| GRIP X YOKE | FIP X YOKE | CB X YOKE | CAMPAK X YOKE |
|  |  |  |  |
| PAGE 133 | PAGE 133 | PAGE 133 | PAGE 133 |
| MIP X YOKE | | | |
| MIP X YOKE | | | |
|  | | | |
| PAGE 134 | | | |

105NL ANGLE COUPLING WITH YOKE CONNECTION (PAGE 132) STEP 4

| CTS X CTS | YOKE X CTS | YOKE X CTS | YOKE X FIP |
|---|---|--|---|
| YOKE X CB | YOKE X CB | YOKE X GRIP | YOKE X FIP |
|  |  |  |  |
| PAGE 135 | PAGE 135 | PAGE 135 | PAGE 135 |

IRON YOKE ACCESSORIES

| STAR NUT | METER & YOKE GASKET | EXPANSION WHEEL GASKET | EXPANSION WHEEL GASKET |
|---|---|--|---|
| SERIES 81 | SERIES 41 | SERIES 44 | SERIES 45 |
|  |  |  |  |
| PAGE 136 | PAGE 136 | PAGE 136 | PAGE 136 |



C CAMBRIDGE BRASSTM INC

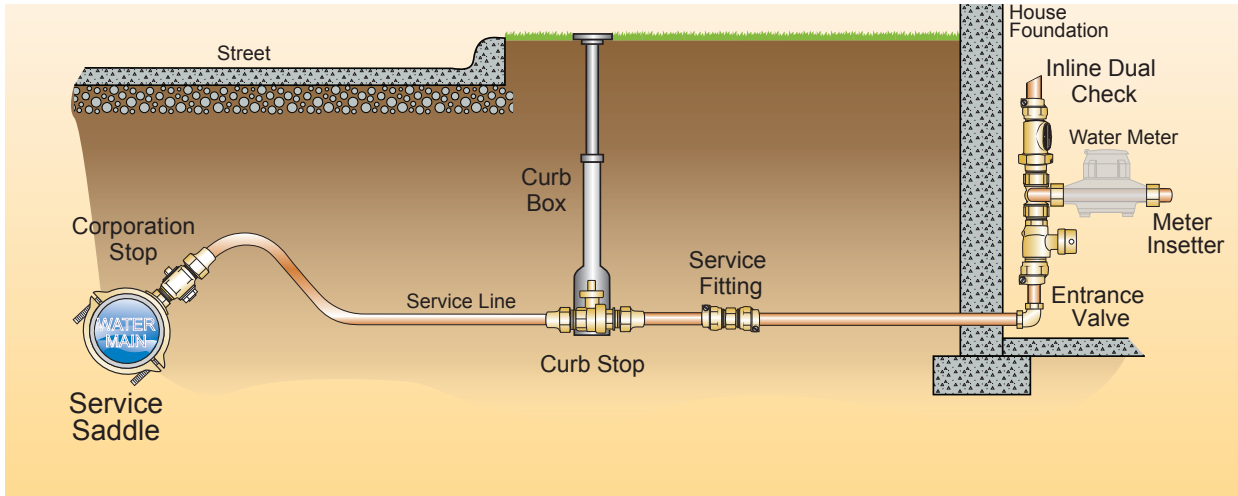
Keeping Pace with Innovation

As customer expectations rise, Cambridge Brass is keeping pace to accelerate product lifecycles and provide breakthrough innovations that meet customer demands. Our Product & Engineering Services leverage more than 118 years of engineering experience to design, test systems, manage product information and create products all under one roof. Our customers recognize that our involvement from the beginning of the design concept enables us to bring value to their projects throughout the product development process.

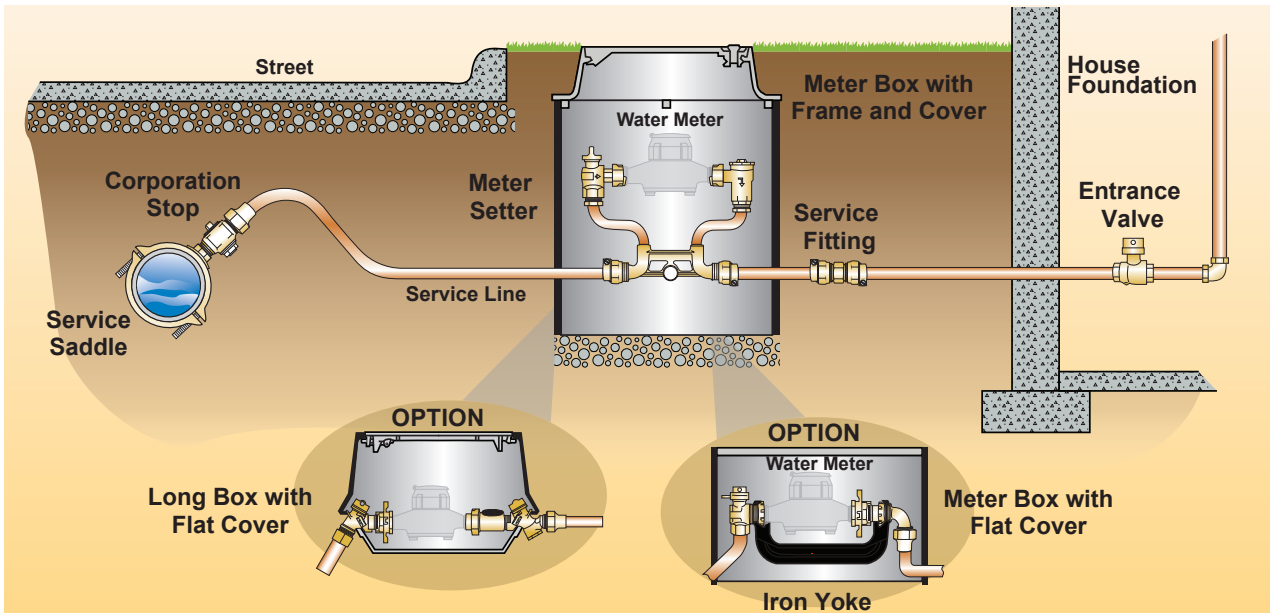
ENGINEERING

Water Service Lateral

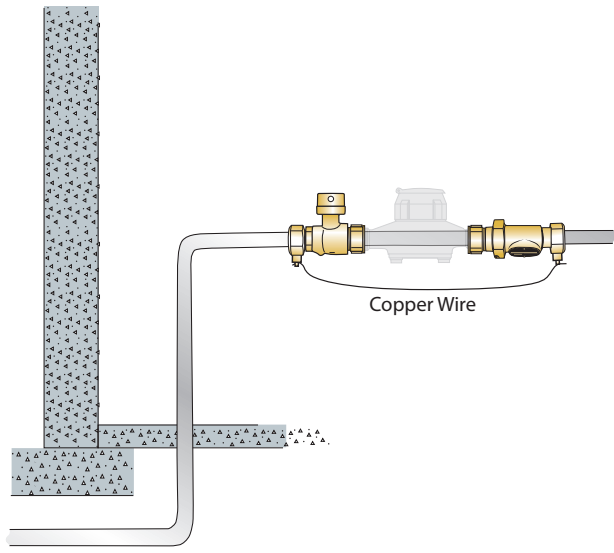
Northern Installation



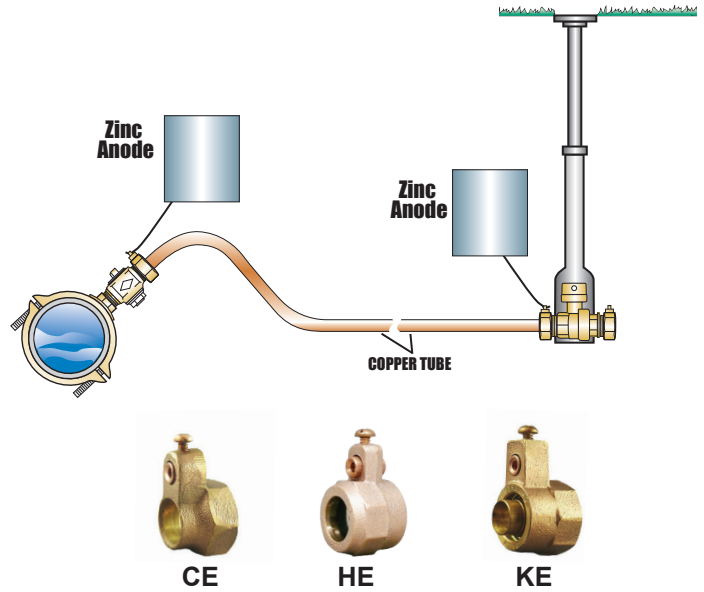
Southern Installation



Electrical Continuity

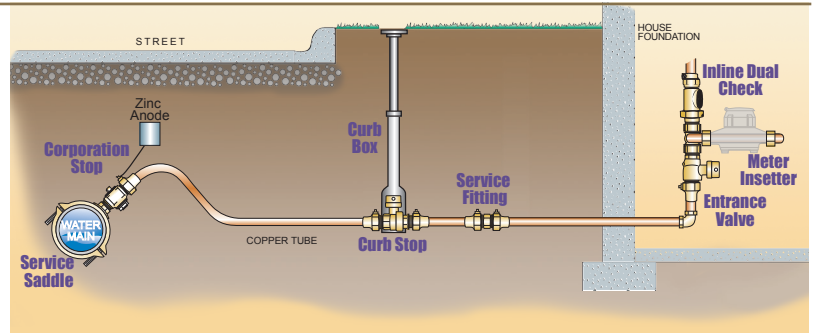


Anode Nut Options



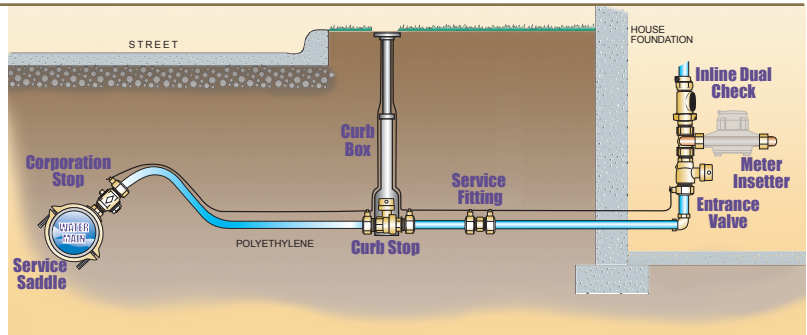
Sacrificial Anode

In cathodic protection, a metal anode that is more reactive to the corrosive environment of the system to be protected is linked to the protected system, and partially corrodes or dissolves, which protects the metal of the system it is connected to. As an example, a Ductile Iron water main may be protected by a zinc sacrificial anode, which will dissolve into the wet earth around the main and prevent the water main from being corroded. Sacrificial anodes are particularly needed for systems where a static charge is generated by the action of flowing liquids, such as pipelines.



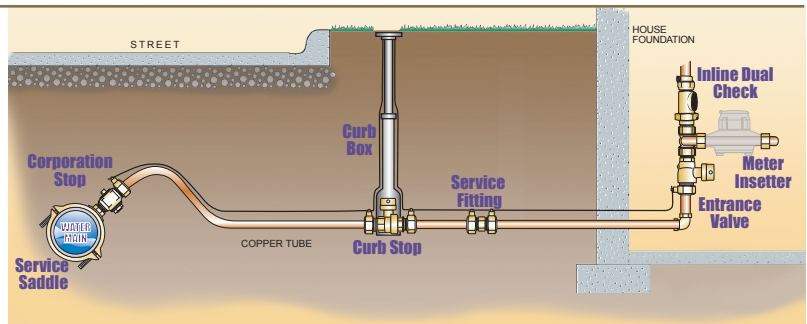
Tracer Wire / Locater Nut

Tracer wire (also known as locating wire) is used frequently by utility companies to locate buried service lines made of plastic. Tracer wire is buried alongside plastic service lines that are installed underground, to assist in locating them for service and repairs. This practice saves contractors and consumers time, money and inconvenience, but only when the tracer wire maintains its integrity so that a line needing service can be promptly located.



Thaw Wire

An installation that incorporates a thaw wire is one that could potentially freeze under extreme cold weather conditions. A copper wire is normally connected to various positions along a copper service line so an electrical device such as an arc welder could apply electric current to unfreeze the water line, if necessary.



Outside Diameter Chart

Types of Pipe/Tubing for use with Cambridge Brass Fittings (Outside Diameters listed)

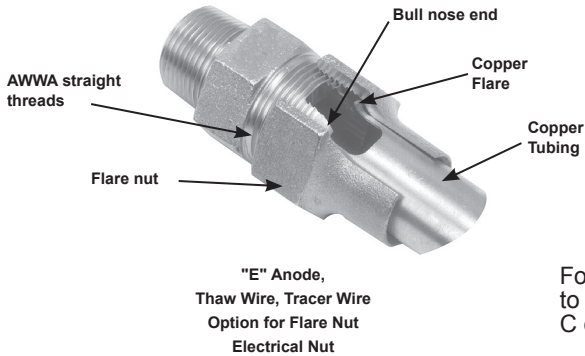
| | CTS | CTS | CTS | CTS | PEP Accepts |
|-----------------------------|-------------------------|---|---------------------------------------|---|---|
| NOMINAL SIZE | TYPE K or L COPPER TUBE | POLYETHYLENE ASTM D2737 SDR 9 TUBE SIZE | PEX TUBING ASTM F876 SDR 9 CSA B137.5 | POLYBUTYLENE ASTM D2666 SDR 9 TUBE SIZE CLASS 250 | POLYBUTYLENE ASTM D2662 SDR 7 or POLYETHYLENE ASTM D2239 SDR 7 POLYETHYLENE PIPE SIZE |
| 1/2" | $\frac{.622}{.628}$ | $\frac{.621}{.629}$ | $\frac{.621}{.629}$ | $\frac{.625}{.633}$ | $\frac{.79}{.85}$ |
| 5/8" | | | | | |
| 3/4" | $\frac{.872}{.878}$ | $\frac{.871}{.879}$ | $\frac{.871}{.879}$ | $\frac{.875}{.883}$ | $\frac{1.045}{1.110 (1.089)}$ |
| 1" | $\frac{1.121}{1.129}$ | $\frac{1.120}{1.130}$ | $\frac{1.120}{1.130}$ | $\frac{1.125}{1.135}$ | $\frac{1.329}{1.399 (1.384)}$ |
| 1 1/4" | $\frac{1.371}{1.379}$ | $\frac{1.370}{1.380}$ | $\frac{1.370}{1.380}$ | $\frac{1.375}{1.385}$ | $\frac{1.754}{1.832 (1.804)}$ |
| 1 1/2" | $\frac{1.621}{1.630}$ | $\frac{1.619}{1.631}$ | $\frac{1.619}{1.631}$ | $\frac{1.625}{1.637}$ | $\frac{2.050}{2.141 (2.109)}$ |
| 2" | $\frac{2.120}{2.130}$ | $\frac{2.119}{2.131}$ | $\frac{2.119}{2.131}$ | $\frac{2.125}{2.137}$ | $\frac{2.637}{2.742 (2.709)}$ |
| Type of Fitting | C, H, J, GJ, B | H, J, GJ, B | H, J, GJ, B | H, J, GJ, B | PE |
| Type of SS Stiffener | | 86 | 86 | 86 | 87 |

Outside Diameter Chart

Types of Pipe/Tubing for use with Cambridge Brass (Outside Diameters listed)

| C903 | | PVC | IPS | IP | LEAD PIPE | | |
|----------------------|--------------|-------------------------------------|---|--------------|---------------|-----------------------|--------------------------------|
| NOMINAL SIZE | C903 | BRASS PIPE & PVC ASTM D1785 SCH. 40 | POLYETHYLENE ASTM D3035 SDR 9 / SDR 11 OD CONTROLLED IRON PIPE SIZE | STEEL PIPE | STRONG S or A | EXTRA STRONG XS or AA | DOUBLE EXTRA STRONG XXS or AAA |
| 1/2" | | <u>.836</u> | | <u>.836</u> | <u>.783</u> | <u>.861</u> | <u>.997</u> |
| | | <u>.844</u> | | <u>.844</u> | <u>.813</u> | <u>.891</u> | <u>1.027</u> |
| 5/8" | | | | | <u>1.004</u> | <u>1.067</u> | <u>1.122</u> |
| | | | | | <u>1.034</u> | <u>1.097</u> | <u>1.152</u> |
| 3/4" | <u>.984</u> | <u>1.046</u> | <u>1.046</u> | <u>1.046</u> | <u>1.141</u> | <u>1.197</u> | <u>1.321</u> |
| | <u>.996</u> | <u>1.054</u> | <u>1.054</u> | <u>1.054</u> | <u>1.171</u> | <u>1.227</u> | <u>1.351</u> |
| 1" | <u>1.260</u> | <u>1.310</u> | <u>1.310</u> | <u>1.310</u> | <u>1.413</u> | <u>1.477</u> | <u>1.581</u> |
| | <u>1.272</u> | <u>1.320</u> | <u>1.320</u> | <u>1.320</u> | <u>1.443</u> | <u>1.507</u> | <u>1.611</u> |
| 1 1/4" | | <u>1.655</u> | <u>1.655</u> | <u>1.655</u> | <u>1.655</u> | <u>1.750</u> | <u>1.874</u> |
| | | <u>1.665</u> | <u>1.665</u> | <u>1.665</u> | <u>1.685</u> | <u>1.780</u> | <u>1.904</u> |
| 1 1/2" | | <u>1.894</u> | <u>1.894</u> | <u>1.894</u> | <u>1.969</u> | <u>2.061</u> | <u>2.257</u> |
| | | <u>1.906</u> | <u>1.906</u> | <u>1.906</u> | <u>1.999</u> | <u>2.091</u> | <u>2.287</u> |
| 2" | | <u>2.369</u> | <u>2.369</u> | <u>2.369</u> | <u>2.488</u> | <u>2.736</u> | <u>2.993</u> |
| | | <u>2.381</u> | <u>2.381</u> | <u>2.381</u> | <u>2.518</u> | <u>2.766</u> | <u>3.023</u> |
| Type of Fitting | K | PJ | PJ | PJ, IP | X | XS | XXS |
| Type of SS Stiffener | | | 88, 89, 84 | | | | |

Flare



For this feature add "E" to the connection type H, C or K.

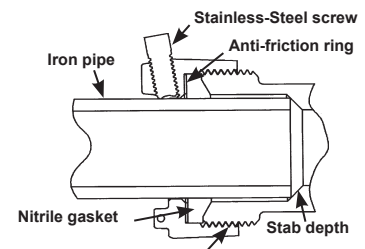
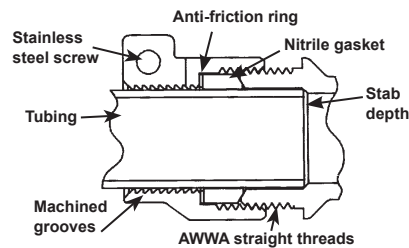
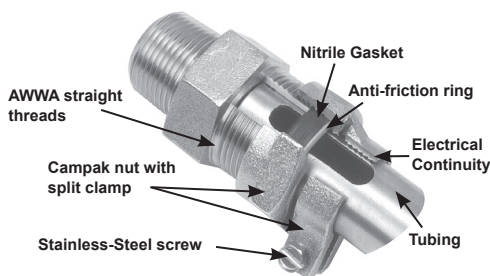
INTENDED FOR USE ON COLD WATER SERVICES

1. Handle parts carefully, do not drop, protect threads from damage
2. Do not interchange parts with other manufacturers
3. USE A SMOOTH-JAWED ADJUSTABLE WRENCH that fully and evenly engages wrenching flats. Loose fitting wrenches and pipe wrenches may distort and damage the part resulting in leakage
4. AWWA and tapered pipe threads require a good quality sealant or PTFE tape before mating
5. Use only pipes and fittings intended for use together. Check specifications
6. Use Stainless-Steel inserts to reinforce flexible plastic pipes
7. Piping must be round and cut square, clean, and smooth with proper tools. Do Not Use A Hacksaw
8. PRESSURE TEST ALL JOINTS, VALVES AND FITTINGS BEFORE BACKFILLING
9. Do not allow water to freeze within valves and fittings. Expansion of ice may damage the part
DAMAGE DUE TO IMPROPER INSTALLATION, HANDLING OR FREEZING OF WATER IN THE PART WILL VOID THE WARRANTY

Campak, B, PE, PJ, IP Compression

Campak, B, PE, PE , PJ, strong lead, extra strong lead or double extra strong lead is stabbed thru nut and gasket/friction ring assembly to stab depth. Hand tight plus 1 1/2 turns, which compresses the Nitrile gasket, which creates a water-tight seal. The Stainless-Steel screw is tightened to contact the brass clamp to the opposite side, for pull-out strength.

Iron pipe (IP) is stabbed thru nut and gasket/friction ring assembly to stab depth. The nut is tightened to hand plus 1 1/2 turns, which compresses the gasket, which creates a water-tight seal. The Stainless-Steel screw or screws are tightened to the required torque, for pull-out strength.



DO NOT OVERTIGHTEN

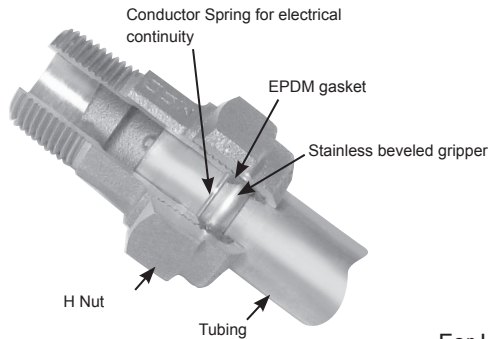
NOTE: H, B, GJ, J, K nuts have the same threads and are interchangeable.

CAMPAK PEP PVC Installation

1. **CAMPAK** - Use copper water pipe type K or L (ASTM B88) or CTS polyethylene pipe SDR-9 (AWWA 901, ASTM D2737)
2. **PEP** - Use polyethylene pipe ID controlled SIDR-7 (ASTM D2239, D3035, D2662)
3. **PVC** - Use PVC pipe or IPS polyethylene pipe SDR-9, 11, 17
4. Loosen nut to relax gasket/ gripper combination and insert pipe through nut into the socket of the fitting
5. Push pipe in until it bottoms inside fitting body (with stops) or appropriate depth (without stops)
6. Tighten nut 1 to 1 1/2 turns after gasket starts to compress. If clamp screw is not accessible, reposition by further tightening the nut
7. To ensure against blowout of pipe, tighten the clamp screw very secure! A socket wrench is preferable to a screwdriver.

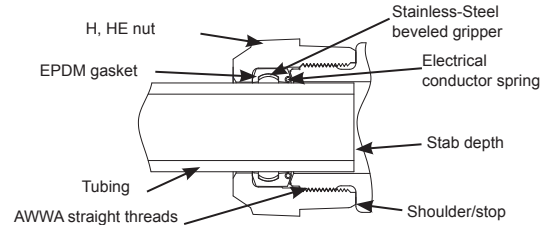
CB Compression - H, HE

Copper tube, CTS PE is stabbed through the nut and gasket/friction ring assembly to stab depth. The H or HE nut is tightened to the stop/shoulder on the body, which compresses the EPDM gasket and Stainless-Steel beveled gripper, which creates a water-tight seal and pull-out strength. The electrical conductor spring makes positive contact between the copper tubing and the brass nut/fitting. When using with CTS PE, H or HE, the electrical conductor spring becomes purposeless.



HE Option for Nut

For HE feature add "E" to the Available for 3/4", 1", 1 1/4", 1 1/2", & 2.



"E" Anode, Thaw Wire, Tracer Wire Option for "H" Nut

NOTE: H, B, GJ, J, K nuts have the same threads and are interchangeable.

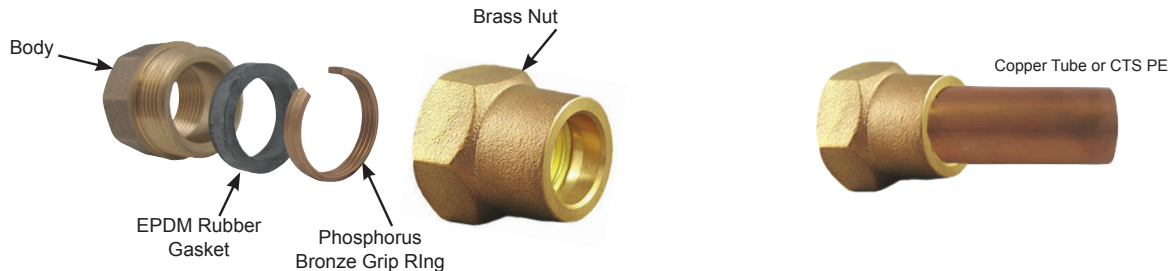
Any H Series connection can be changed to a **C903 Connection**. Replace the "H" in the model number with a "K." 3/4" or 1" only.



*Insert stiffeners are **required** on all flexible plastic connections. **NOTE: Materials meet or exceed A.W.W.A. Standard C-800.**

Grip Joint Series

Copper tube, CTS PE is stabbed through the nut and grip ring/friction ring and gasket assembly to stab depth. The GJ nut is tightened to the stop/shoulder on the body, which compresses the EPDM gasket and phosphorus bronze gripper, which creates a water-tight seal and pull-out strength.



GJ Series from Cambridge Brass. is a CTS Compression connection that is available in 3/4", 1", 1 1/4", 1 1/2" and 2" sizes.

This connection can be utilized on all Cambridge Brass series end connections by removing the Compression assembly and replacing it with the GJ assembly.

The brass nuts are made from C83600 ASTM B584 brass along with NSF 61 rubber gasket and Phosphorus Bronze grip ring.

For use with Copper tube, ("K" & "L" Hard or Soft) or CTS PE (ASTM D2737 SDR 9) with appropriate Insert Stiffener.

Features:

- Large wrench flats for easier installation
- Tighten to Shoulder Stop
- Interchangeability. H, B, GJ, J, K nuts have the same threads and are interchangeable Except where noted.

Haystite

Installation Instructions

1. Use copper water pipe type K or L (ASTM B88) or CTS polyethylene tubing OD controlled SDR-9 (AWWA 901, ASTM D2737)
2. Loosen nut to relax gasket/gripper combination and insert pipe through nut into the socket of the fitting
3. Push pipe in until it bottoms inside fitting body (with stops) or appropriate depth (without stops)
4. Tighten nut 1 1/2 turns after hand tight



105NL-J3F3

Outlet Connections



C



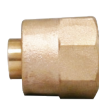
PE



B



GJ



K



H



J



PJ



IP

Wrench on Brass Valves & Fittings



Do NOT use a pipe wrench with serrated jaws



Use a wrench with smooth jaws

Insert Stiffeners

Insert Stiffeners required on all flexible plastic connections

Materials meet or exceed AWWA standard C800

Series 86 CTS SDR 9



Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"
 POLYETHYLENE - ASTM D2737
 SDR 9 - TUBE SIZE
 PEX TUBING - ASTM F876 -
 SDR 9 - CSA B137.5
 POLYBUTYLENE - ASTM D2666
 SDR 9 - TUBE SIZE - CLASS 250

Series 87 PE SIDR 7



Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"
 POLYBUTYLENE -
 ASTM D2662 SIDR 7 - or
 POLYETHYLENE - ASTM
 D2239
 SIDR 7 & 9 - PIPE SIZE

Series 88 IPS SDR 9



Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"
 POLYETHYLENE - ASTM
 D3035
 SDR 9 - OD
 CONTROLLED
 PIPE SIZE

Series 89 IPS SDR 11



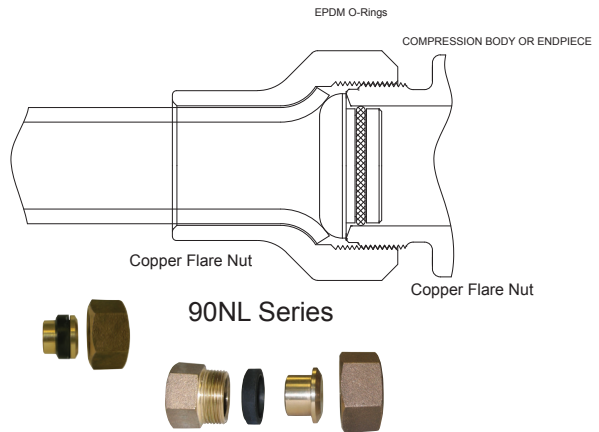
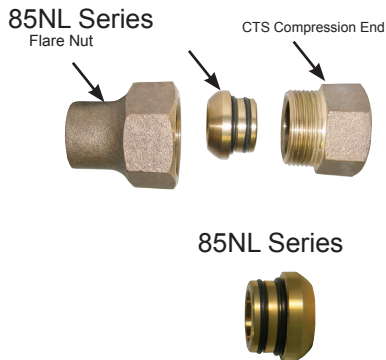
Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"
 POLYETHYLENE - ASTM
 D3035
 SDR 11 - OD
 CONTROLLED
 PIPE SIZE

Series 84 SDR 17



Sizes: 3/4", 1"
 POLYETHYLENE - ASTM
 D3035
 SDR 17 - OD
 CONTROLLED
 PIPE SIZE

Compression Adaptors & Plugs



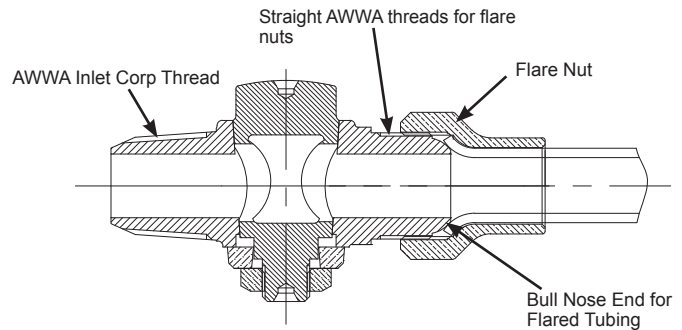
Plug Valves

Plug Valve Corporation Stops are precision machined to assure a perfect match between the plug and the body. This same machining precision carries over to the threads to assure Cambridge Brass' high quality. Corporation stops come standard with a 360° for mains and 180° for angle valve operating head. Use only smooth jawed wrenches on corporation stop bodies and position the wrench only on the flats provided on the bodies. Also position your wrench as close as possible to the threads being tightened to avoid excessive strain or bending moment on the body. Pressure ratings are: 100 PSIG for 3/4" and 1". For applications over 1", Cambridge Brass recommends the use of Ball Valves.

Options

- For electrical nut option, add "E" to H, K, C to make HE, KE, CE
- For valve or fitting less nut add "LN" to end of model number
- Insert stiffeners are required on all flexible plastic connections

The term AWWA inlet thread is also referred to as C.C. threads, threads or Mueller threads.



Anatomy of a Cambridge Brass Ball Valve

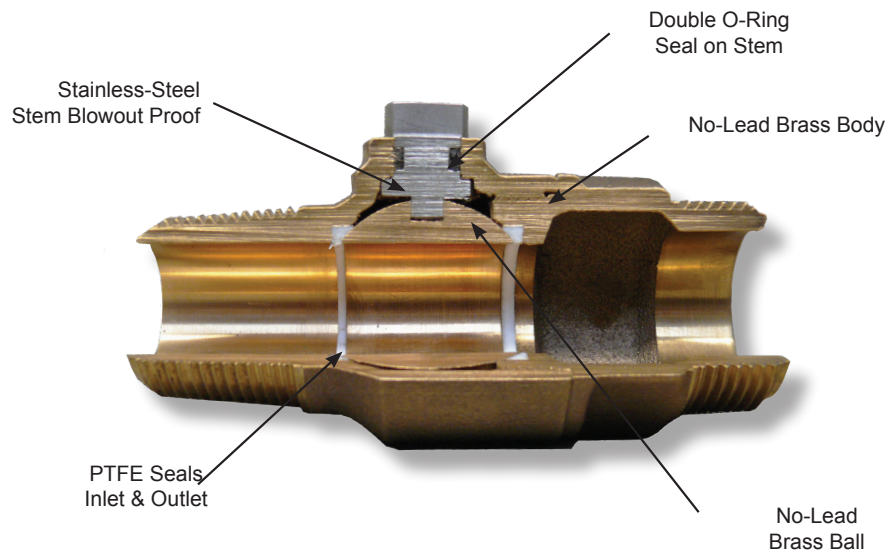
Main (Corporation) Stops | Curb Stops | Service Line Fittings | Meter Valves | Meter Couplings & Accessories | Meter Setters

Material Specification

| | |
|---------|---|
| Body | Heavy Pattern Cast No-Lead Brass in conformance with CDA C89833 |
| Top Cap | Cast Brass C83600 |
| Nuts | Cast Brass C83600 |
| Stem | Stainless-Steel Type 304 |
| Ball | Uncoated No-Lead Brass Ball C89833 |
| Seats | Two Unfilled PTFE |
| O-Rings | Nitrile Rubber are standard |

Features & Options

- Meets or exceeds AWWA C-800, NSF 61 & NSF 372
- Ball Valves are rated at 300 psi
- Stem/Ball Connection capable of transmitting 45 ft-lb torque
 - Full Port
- Integral Lockwing available
- 360 degree rotation or open right options available



End Connections

| | |
|------------------|--|
| CTS Compression | CB Compression & Campak 1/2" - 2" size Haystite & Grip joint 3/4" - 2" |
| C903 | 3/4" & 1" size |
| Copper Flare | 1/2" thru 2" size |
| Meter Connection | 5/8", 3/4", 1", 1 1/2" & 2" size |
| FIP & MIP | 1/2" thru 2" size |
| PEP & PVC | 3/4" thru 2" |

Ball Valves

Rated 300 PSI

Ball Valve Corporation's Stops come standard with a 360° operating head and are designed for low turning torques and high pressures (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N O-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSIG makes these valves a better choice than a plug valve when test or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Corporation Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted.

- All Cambridge Brass Corporation Stops are pressure tested prior to packaging.
- The end piece joint is sealed with thread locker.
- All Cambridge Brass Corporation Stops are designed to be used with all known tapping and drilling machines.
- For drilling and tapping machine adapters see chart on page 19.
- Assembly is shipped with a thread protector
- **NOTE: Materials meet or exceed AWWA C800 (latest revision) and NSF 61 & 372 standards**

Material Specifications

Body - Heavy Pattern Cast No-Lead Brass in conformance with CDA C89833

Top Cap - Cast Brass C83600

Nuts - Cast Brass C83600

Stem - Stainless-Steel Type 304

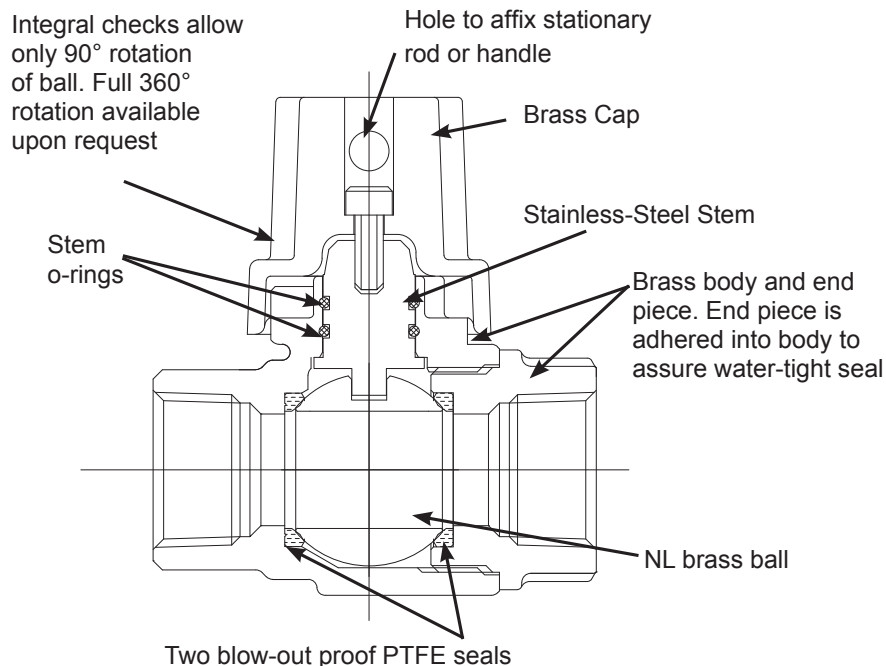
Ball - Uncoated No-Lead Brass Ball C89833

Seats - Two unfilled PTFE on Full Port

O-Rings - Nitrile Rubber (standard)

Options

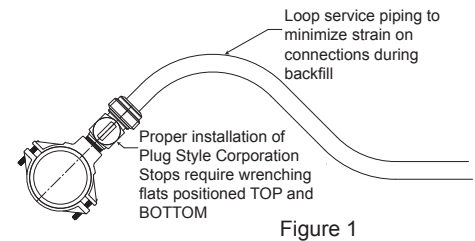
- For electrical nut option, add "E" to H, K, C to make HE, KE, CE
- For valve or fitting less nut add "LN" to end of model number
- Insert stiffeners are required on all flexible plastic connections, refer to Service Fitting section on page 77 for options



Cambridge Brass waterworks products are designed for reliable service. Like all brass products, however, they can be damaged by improper handling and use.

CAUTION:

1. PROTECT THREADS Nicks or distorted threads, especially on tapered threads, can cause leaks.
2. USE A GOOD THREAD SEALANT where threads are intended to provide a leak-proof connection. Do not overtighten.
3. DO NOT use Vaseline®, plumber's grease, or any other petroleum product on seals or o-rings.
4. USE ONLY A SMOOTH JAWED ADJUSTABLE WRENCH on the flats provided nearest the thread being made up. Serrated pipe wrenches apply a loose, improper fit that can distort the body and cause a leak, especially on valves.
5. Plug style corp valves should be installed so that the wrenching flats of a tightened valve are positioned top and bottom (see Figure 1).
6. AVOID DROPPING or the use of a hammer on any plug or key type valve. Impacts, causing dents or distortion, can cause leaks by unseating the plug portion of the valve.
7. PRESSURE TEST for leaks before backfilling.
8. FIELD TESTING Special high pressure field testing may require capping the outlet of corporation stops, curb stops and angle meter stops.
9. HIGH PRESSURE INSTALLATION Standard AWWA tapered plug valves are intended for not more than 100 PSIG water in sizes 1/2", 3/4" and 1".
10. BACKFILL CAREFULLY to avoid damage to the service line and connections. Loop service piping on corporation connections to minimize strain on the body and connections (See Figure 1).



- NOTE:** For corps with C903 ends, remove C903 adaptor prior to drilling. Reassemble C903 adaptor to corp after drilling. Inspect all o-rings for damage prior to reassembly.
- NOTE:** For installations having pressures in excess of 100 PSIG (3/4" and 1" corp stops) the use of Cambridge Brass "ball-style" corporation stops is recommended. Ball corporations are for use with water only and are rated at 300 PSIG water pressure.

DAMAGE CAUSED BY IMPROPER USE AND HANDLING WILL VOID OUR WARRANTY.

Recommended Wrenching on Brass Valves and Fittings



Do NOT use a pipe wrench with serrated jaws



Use a wrench with smooth jaws

Mainstop Installation

Valves may be installed directly into either a dry main or a main under pressure with a standard tapping machine with or without a saddle. Consult the pipe manufacturer for their recommendation.

When direct tapping directly into mains, ensure that the tapping tool used is in good condition and that the tapped hole is made to the correct size. Check that the main stop inlet thread and tap are the same thread type. Always apply Teflon sealant to the valve inlet threads. A correctly installed valve will have valve inlet threads still visible.

Large wrench flats are provided on both the plug and ball style bodies for tightening and are to be used with a smooth flat jaw adjustable wrench. Careful attention must be made to fully engage the wrench with a snug fit on the valve body flats. This will ensure there are no leaks from distortion. Do not use a pipe wrench as this may distort the valve body. Do not over tighten as this may also damage the valve.

When using a tapping machine adaptor to tighten the valves in place, ensure the correct adaptor is used, and the adaptor threads match the outlet threads. See Tapping Machine Adaptor chart for details

2 Piece Saddle - 805 Series

- Saddles should be installed after pipe pressure testing is completed.
- Use only on PVC pipe. Make sure you have proper type and size of saddle for pipe. Reference pipe diameter, tap size and identification located on each saddle.
- Make sure saddle sealing surface on the pipe is clean, free of "nicks", gouges, or other imperfections that could cause leakage.
- DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or o-rings.
- Place saddle outlet and band around pipe and attach together loosely using capscrews into tapped holes. Then rotate the saddle into desired position.
- Cambridge Brass saddles are NOT designed to bottom out. Alternating between each bolt, tighten to the following torques:
FOR 3/4" AND 1" THREAD SIZE OUTLETS:
 2", 2-1/2", and 3" pipe - 4 - 5 FOOT-POUNDS.
 (approx. 4 to 5 lbs. pull on 12" wrench)
 4", 6", and 8" pipe - 5 - 6 FOOT-POUNDS.
 (approx. 5 to 6 lbs. pull on 12" wrench)
 10" and 12" pipe - 24 - 26 FOOT-POUNDS.
 (approx. 24 to 26 lbs. pull on 12" wrench)
FOR 1-1/2" AND 2" THREAD SIZE OUTLETS:
 4" and 6" pipe - 13 - 15 FOOT-POUNDS.
 (approx. 13 to 15 lbs. pull on 12" wrench)
 8" pipe - 17 - 19 FOOT-POUNDS.
 (approx. 17 to 19 lbs. pull on 12" wrench)
 10" and 12" pipe - 24 - 26 FOOT-POUNDS.
 (approx. 24 to 26 lbs. pull on 12" wrench)
- Overtightening can cause failure of saddle or bolt.
- After the corporation stop has been installed, recheck saddle torque and tighten if necessary.
- Cambridge Brass saddles are designed to withstand water working pressure up to but not exceeding the working pressure rating of the pipe up to 200 PSIG maximum. Use only on a cold water service.
- Saddle testing should be accomplished while services are exposed and prior to backfilling.

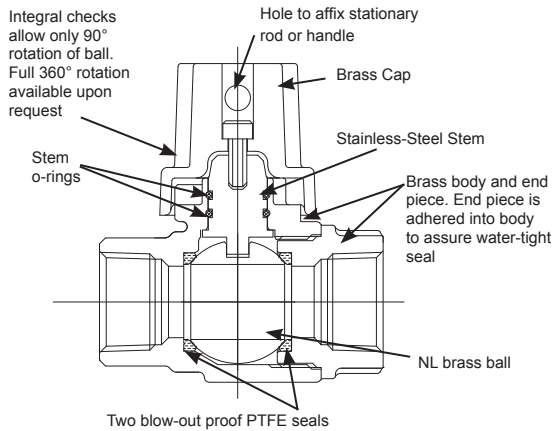
Hinged Saddle - 800 Series

- Saddles should be installed after pipe pressure testing is completed.
- Use only on PVC pipe.
- Make sure you have proper type and size of saddle for pipe. Reference pipe diameter range, tap size and identification located on each hinged saddle.
- Clean pipe surface thoroughly.
- DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or o-rings.
- Mount saddle on pipe with outlet facing desired direction.
- Cambridge Brass hinged saddles are NOT designed to bottom out.
 Tighten bolts to the following torques:
3/4" and 1" thread size outlets:
 2", 2 1/2", 3" pipe - 4 - 5 FOOT-POUNDS
 (approx. 4 to 5 lbs pull on a 12" wrench)
 4", 6", 8" pipe - 5 - 6 FOOT-POUNDS.
 (approx. 5 to 6 lbs pull on a 12" wrench)
1 1/2" and 2" thread size outlets:
 3", 4" pipe - 5 - 6 FOOT-POUNDS*.
 (approx. 5 to 6 lbs pull on a 12" wrench)
 6", 8" pipe - 7 - 9 FOOT-POUNDS*.
 (approx. 7 to 9 lbs pull on a 12" wrench)
 *Be sure to alternate tightening of the 2 bolts to ensure even loading.
- Overtightening can cause failure of saddle, bolt or hinge pin.
- After the corporation stop has been installed, recheck saddle torque and tighten if necessary.
- Cambridge Brass hinged saddles are designed to withstand water working pressure up to but not exceeding the working pressure rating of the pipe up to 200 PSIG maximum. Use only on a cold water service.
- Saddle testing should be accomplished while services are exposed and prior to backfilling.

Pipe/Saddle Chart

| PIPE SIZE | PVC | | CAST IRON | | | ASBESTOS-CEMENT | | | STEEL | |
|-----------|------------|----------|-------------------|-----------------------|-------|-----------------|----------|----------------|-------|-------|
| | STEEL SIZE | PVC C900 | CLASSES | | O.D. | CLASS | MACHINED | ROUGH-BARREL | TYPE | O.D. |
| | O.D. | O.D. | PIT | SPUN | | | END O.D. | O.D. (MIN-MAX) | | |
| 1/2" | .84 | | | | | | | | STD | .84 |
| 3/4" | 1.05 | | | | | | | | STD | 1.05 |
| 1" | 1.32 | | | | | | | | STD | 1.32 |
| 1 1/4" | 1.66 | | | | | | | | STD | 1.66 |
| 1 1/2" | 1.90 | | | | | | | | STD | 1.90 |
| 2" | 2.38 | 2.50 | | | 2.50 | | | | STD | 2.38 |
| 2 1/2" | 2.88 | | | | | | | | STD | 2.88 |
| 3" | 3.50 | | A B,C,D | 50 - 350 | 3.80 | 100 | 3.74 | 4.00 | O.D. | 3.00 |
| | | | | | 3.96 | 150 | 3.84 | 4.10 | STD | 3.50 |
| | | | | | | 200 | 3.84 | 4.29 | | |
| 3 1/2" | | | | | | | | STD | 4.00 | |
| 4" | 4.50 | 4.80 | A B,C,D | 50 - 350 | 4.80 | 100 | 4.64 | 4.79 - 5.14 | O.D. | 4.00 |
| | | | | | 5.00 | 150 | 4.81 | 4.97 - 5.27 | STD | 4.50 |
| | | | | | | 200 | 4.81 | 5.22 - 5.57 | | |
| 4 1/2" | | | | | | | | STD | 5.00 | |
| 5" | | | | | | | | STD | 5.56 | |
| 6" | 6.63 | 6.90 | A B,C,D E,F | 50 - 350 | 6.90 | 100 | 6.91 | 7.05 - 7.40 | O.D. | 6.00 |
| | | | | | 7.10 | 150 | 6.91 | 7.07 - 7.37 | STD | 6.63 |
| | | | | | 7.22 | 200 | 6.91 | 7.26 - 7.56 | | |
| 7" | | | | | | | | STD | 7.63 | |
| 8" | 8.63 | 9.05 | A,B C,D E,F | 50 - 300 350 | 9.05 | 100 | 9.11 | 9.22 - 9.57 | O.D. | 8.00 |
| | | | | | 9.30 | 150 | 9.11 | 9.27 - 9.57 | STD | 8.63 |
| | | | | | 9.42 | 200 | 9.11 | 9.39 - 9.74 | | |
| 9" | | | | | | | | STD | 9.63 | |
| 10" | 10.75 | 11.10 | A,B C,D E,F | 50 - 200 250 - 350 | 11.10 | 100 | 11.24 | 11.42 - 11.77 | O.D. | 10.00 |
| | | | | | 11.40 | 150 | 11.66 | 11.82 - 12.12 | STD | 10.75 |
| | | | | | 11.60 | 200 | 11.66 | 11.77 - 12.12 | | |
| 12" | 12.75 | 13.20 | A,B C,D E,F | 50 - 200 250 - 350 | 13.20 | 100 | 13.44 | 13.69 - 14.04 | O.D. | 12.00 |
| | | | | | 13.50 | 150 | 13.92 | 14.08 - 14.38 | STD | 12.75 |
| | | | | | 13.76 | 200 | 13.92 | 14.03 - 14.38 | | |
| 14" | 14.00 | 15.30 | A,B C,D E,F | 50 - 100 150 - 300 | 15.30 | 100 | 15.07 | 15.40 - 15.80 | O.D. | 14.00 |
| | | | | | 15.65 | 150 | 16.22 | 16.38 - 16.73 | | |
| | | | | | 15.98 | 200 | 16.22 | 16.48 - 16.88 | | |
| 16" | 16.00 | 17.40 | A,B C,D E,F | 50 - 100 150 - 300 | 17.40 | 100 | 17.14 | 17.54 - 17.94 | O.D. | 16.00 |
| | | | | | 17.80 | 150 | 18.46 | 18.62 - 18.97 | | |
| | | | | | 18.16 | 200 | 18.46 | 18.79 - 19.19 | | |
| 18" | 18.00 | 19.50 | A,B C,D | 50 - 100 150 - 250 | 19.50 | 100 | 19.90 | 20.44 | STD | 18.00 |
| | | | | | 19.92 | 150 | 20.94 | 21.20 | | |
| 20" | 20.00 | 21.60 | A,B C,D | 50 - 100 150 - 200 | 21.60 | 100 | 22.12 | 22.50 | STD | 20.00 |
| | | | | | 22.06 | 150 | 23.28 | 23.54 | | |
| 22" | | | | | | | | STD | 22.00 | |
| 24" | 24.00 | 25.80 | A,B C,D | 50 - 100 150 - 250 | 25.80 | 100 | 26.48 | 27.17 | STD | 24.00 |
| | | | | | 26.32 | 150 | 27.96 | 28.22 | | |
| 30" | 30.00 | 32.00 | A,B C,D | 50 - 100 150 - 250 | 32.00 | | | | STD | 30.00 |
| | | | | | 32.74 | | | | | |

Ball Valve Design



Cambridge Brass Ball Valve Curb Stops maintain their low turning torques and bubble-tight 300 PSIG water pressure rating due to the NL coated brass ball that is supported by two PTFE seals. Cambridge Brass Ball Curb Stops offer positive shut-off from either direction.

Cambridge Brass Curb Stops are available with a wide variety of end connections and also with Minneapolis Curb Box Threads.

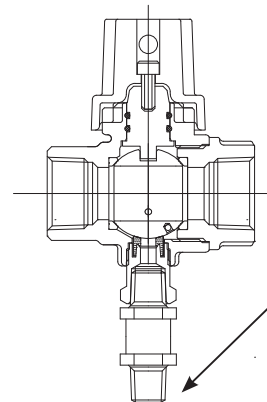
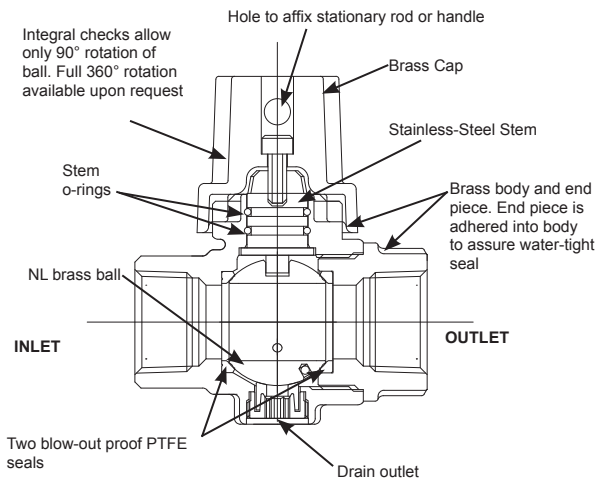
Stainless-Steel, brass and integral brass handles available.

Brass 2" square operating head that is easily pinned to existing curb stops is available separately.

**MAXIMUM PRESSURE RATING
of Ball Style Curb Stops**
300 PSIG Water

- Available with FNPT, MNPT threads, flare or Compression ends
- Ball style curb stops are non-directional

Stop and Drain Ball Valve Design



***OPTIONAL*
WITH CHECK
VALVE ON DRAIN
TO PREVENT
CONTAMINATION**

Cambridge Brass' Stop and Drain Ball Valve Curb Stops maintain their low turning torques and bubble-tight 300 PSIG water pressure rating due to the NL coated brass ball that is supported by two PTFE seals. Cambridge Brass Stop and Drain Ball Curb Stops offer positive shut-off from inlet direction only.

Cambridge Brass Ball Stop and Drain Curb Stops are available with a wide variety of end connections and also with Minneapolis Curb Box Threads.

Brass and INTEGRAL brass handles available.

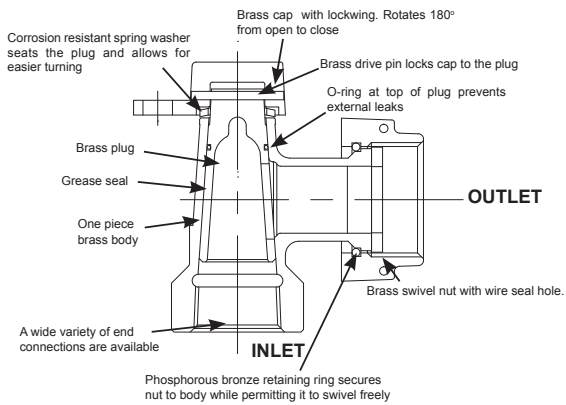
A brass 2" square operating head that is easily pinned to existing curb stops is available separately.

Available with FNPT, MNPT threads, flare or Compression ends

**MAXIMUM PRESSURE RATING
of Stop & Drain Style Ball Valves**
300 PSIG Water

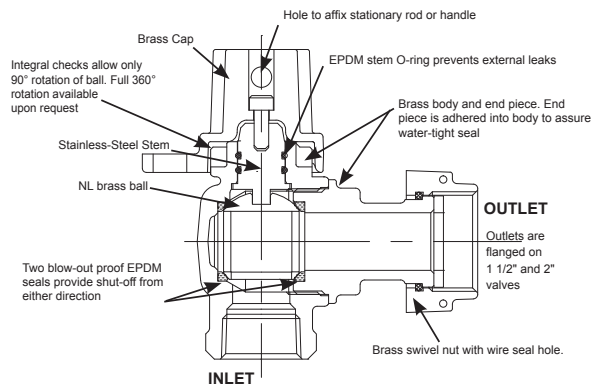
Angle Plug Valve

Maximum Pressure Rating = 100 PSIG Water



Angle Ball Valve

Maximum Pressure Rating = 300 PSIG Water



LOCKING VALVE OPERATING INSTRUCTIONS

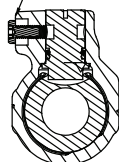
TO UNLOCK

TURN SCREW CLOCKWISE UNTIL FACE OF SCREW IS FLUSH WITH CASTING

SCREW ROTATION



SCREW IN UNLOCKED POSITION



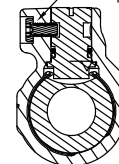
TO LOCK

ROTATE STEM TO DESIRED OPERATING POSITION, TURN SCREW COUNTERCLOCKWISE UNTIL TIGHT

SCREW ROTATION



SCREW IN LOCKED POSITION



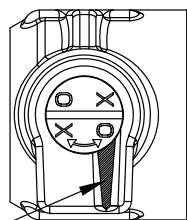
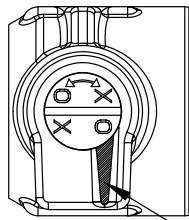
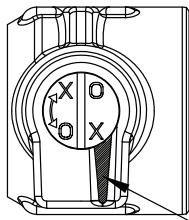
TO OPERATE

ROTATE VALVE STEM SO THAT O, X, O^o X ALIGNS WITH INDICATOR

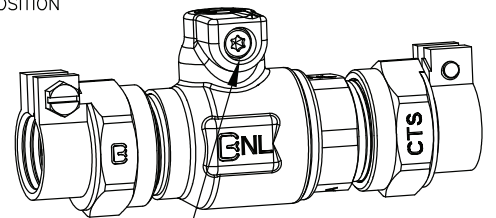
X-LOCKED CLOSED

O-LOCKED OPEN

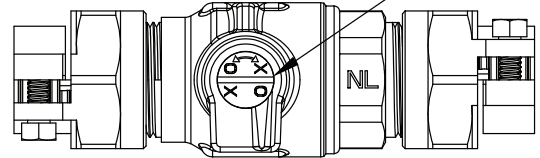
O^o X LOCKED IN OPERATING POSITION



INDICATOR



TOOL AND SCREW UTILIZE UNIQUE ENGAGEMENT GEOMETRY



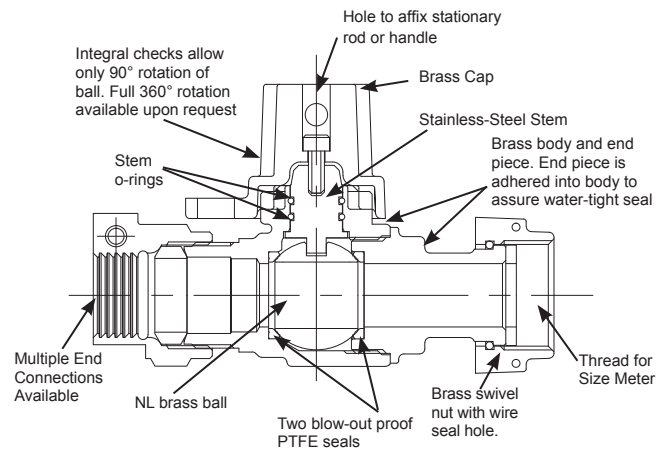
WARNING: It is unlawful in CALIFORNIA & VERMONT (effective 1/1/2010); MARYLAND (effective 1/1/2012); LOUISIANA (effective 1/1/2013) and the UNITED STATES OF AMERICA (effective 1/4/2014) to use any product in the installation or repair of any public water system or any plumbing in a facility or system that provides water for human consumption if the wetted surface area of the product has a weighted average lead content greater than 0.25%. This prohibition does not extend to service saddles used in California, Louisiana or under USA Public Law 111-380.

Available with FNPT threads, Flare or Compression inlets

All Cambridge Brass Valves are inspected repeatedly during the manufacturing process, then each valve is pressure-tested air under water.

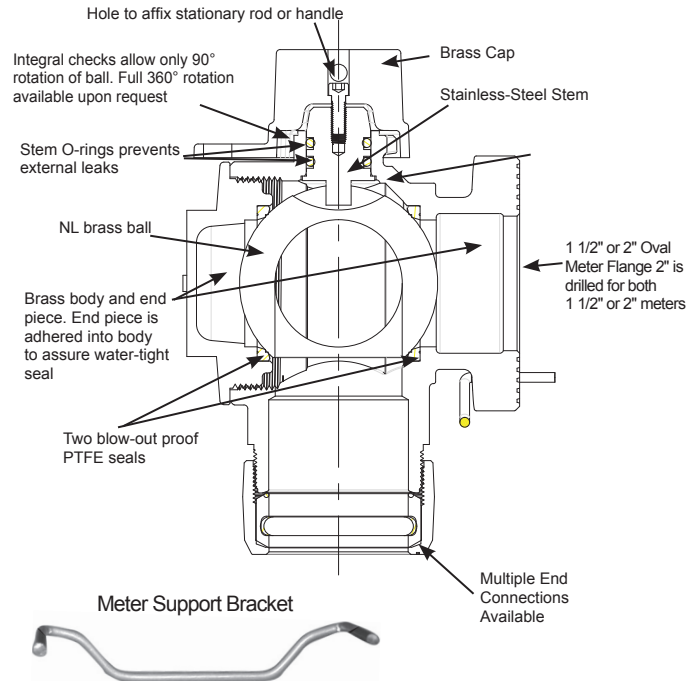
Inline Meter Ball Valve

Maximum Pressure Rating = 300 PSIG Water



1 1/2" & 2" Ball Valve

Maximum Pressure Rating = 300 PSIG Water



Codes and Descriptions of Tubing and Pipe which used with Cambridge Brass Compression Couplings

Copper Tube - the outside diameter is closely controlled by the manufacturer per ASTM specifications.

Polyethylene (PE) – CTS (Copper Tube Size) – ASTM D2737 SDR 9 or ASTM D2666 SDR 9 – flexible plastic tubing has the same outside diameter as corresponding sizes of copper tube and requires an insert stiffener to support the inside diameter of the tube.

B Series, H Series, X Series GJ Series and J Series Compression assemblies are all designed to fit copper tube or copper tube size polyethylene. These compression nuts are individually marked with their size and CTS.

PE Polyethylene (PEP) – ASTM D2239 SIDR7 & 9 or ASTM D2662 SIDR7 – flexible plastic pipe inside diameter controlled. Requires an insert stiffener to support the inside diameter of the tube.

Polyvinyl Chloride – PVC – rigid plastic pipe that has the same outside diameter as corresponding sizes of standard iron pipe.

PJ Compression assemblies are designed to fit polyvinyl chloride. These compression nuts are marked with sizes and PVC.

Iron Pipe – IP – rigid iron pipe in which the outside diameter is closely controlled by the manufacturer per ASTM specifications (can also be galvanized).

C903 – Polyethylene-Aluminum-Polyethylene - (PE-AL-PE) - flexible composite pipe that is manufactured and third party certified to ASTM F-1282.

MNPT - Male National Pipe Thread

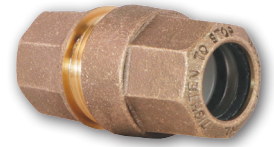
FNPT - Female National Pipe Thread

F-NPSM - Female National Pipe Straight Meter

M-NPSM - Male National Pipe Straight Meter

Fast Connect Fitting

The Fast Connect Fitting is used where standard tube couplings are used but installers want a quicker installation. The Fast Connect Fitting also has the tighten-to-stop feature and can be used when coupling two pieces of copper or CTS PE pipe is required. This product is a good choice in the field because the amount of rotations required to complete a leak free joint is reduced by two thirds of a standard coupling, saving time which is also money. Even though the brass components in this design should never touch water, it is a No-Lead Brass product.



* Insert stiffeners are required when used with CTS PE.



| Model Number | Description |
|--------------|--|
| 120NL-V3V3 | Two Part Coupling 3/4" CTS Connection |
| 120NL-V4V3 | Two Part Coupling 3/4" X 1" CTS Connection |
| 120NL-V4V4 | Two Part Coupling 1" X 1" CTS Connection |
| 120NL-V5V5 | Two Part Coupling 1-1/4" CTS Connection |
| 120NL-V6V6 | Two Part Coupling 1-1/2" CTS Connection |
| 120NL-V7V7 | Two Part Coupling 2" CTS Connection |
| 120NL-Y3Y3 | Two Part Coupling 3/4" PEP Connection |
| 120NL-Y4Y4 | Two Part Coupling 1" PEP Connection |

Installation Instructions

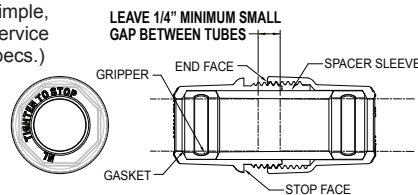
Installation Instructions



IMPORTANT NOTICE - READ CAREFULLY Fast Connect Fitting - Copper Tube Size (CTS)

The Cambridge Brass Fast Connect Fitting is a simple, convenient compression connection for tube size service materials (See table below for approved tubing specs.)

- Service tubing should always be **snaked** in the ditch.
- Use a tube or pipe cutter to assure a square end. Make sure pipe is round. On copper tubing, use a rounding tool, if necessary. Surface should be clean and free of nicks.
- * Insert stiffeners **must** be used with plastic tubing.
- Stab tubes through the endpieces and into the insert sleeve. **TUBES SHALL BE BACKED OFF SLIGHTLY AFTER BUTTING UP IN THE CENTER OF THE COUPLING.** This ensures the tubes have space to advance toward each other as the endpieces are tightened.
- Tighten the endpieces until the end face of the female endpiece contacts the stop face of the male endpiece.
- PRESSURE TEST FOR LEAKS BEFORE BACKFILLING.**
- USE ONLY ON COLD WATER SERVICES.**
PATENT PENDING



Types of Pipe/Tubing for use with A.Y. McDonald Fittings (Outside Diameters listed)

| NOMINAL SIZE | TYPE K or L COPPER TUBE | POLYETHYLENE ASTM D2737 SDR 9 TUBE SIZE * | POLYBUTYLENE ASTM D2666 SDR 9 TUBE SIZE CLASS 250 * |
|--------------|-------------------------|---|---|
| 3/4" | .872 | .871 | .875 |
| | .878 | .879 | .883 |
| 1" | 1.121 | 1.120 | 1.125 |
| | 1.129 | 1.130 | 1.135 |
| 1 1/4" | 1.371 | 1.370 | 1.375 |
| | 1.379 | 1.380 | 1.385 |
| 1 1/2" | 1.621 | 1.619 | 1.625 |
| | 1.630 | 1.631 | 1.637 |
| 2" | 2.120 | 2.119 | 2.125 |
| | 2.130 | 2.131 | 2.137 |

Cambridge Coupling

Rated for 300 PSIG

The Cambridge Coupling is a unique fitting with a patented design that provides the installer with a 0.400" range to accommodate varying outside diameter sized pipes. Additionally it will accommodate pipes that are slightly oval or slightly deformed, saving time & materials in some sizing situations. The range of each coupling overlaps slightly to accommodate different installation scenarios. The Stainless-Steel teeth in the gripper ring provide electrical continuity when metallic pipes are used. With more than 3/8" of range, the Cambridge Coupling is the fitting of choice for connecting dissimilar pipes. Cambridge Couplings are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSIG rated. Our service fittings are rated to withstand the same pressures as the tubing they are designed to fit. They are designed and tested for cold potable water only. Rubber gaskets are standard.

Part Number Format

Example: 1" Cambridge Coupling x 1" Cambridge Coupling = 119NL - U 4 U 4

| Series Number | Inlet Connection | Inlet Size | Outlet Connection | Outlet Size |
|----------------------------|------------------------|------------|------------------------|-------------|
| 117NL = Adaptor | U = Cambridge Coupling | 2 = 5/8" | F = Female Iron Pipe | 2 = 5/8" |
| 119NL = Full Bore Coupling | | 3 = 3/4" | M = Male Iron Pipe | 3 = 3/4" |
| | | 4 = 1" | U = Cambridge Coupling | 4 = 1" |
| | | 5 = 1 1/4" | | 5 = 1 1/4" |
| | | 6 = 1 1/2" | | 6 = 1 1/2" |
| | | 7 = 2" | | 7 = 2" |

Dimensional Range:

- The Cambridge Couplings have a range of up to 0.400". That is more than 3/8" range from the minimum to maximum pipe size accommodated
- The greatest range of all couplings currently available
- Ranges of each coupling overlap slightly to accommodate different scenarios
- See table for specific sizing

Types of pipe materials:

- Copper
- Polyethylene
- PVC
- Lead
- Polybutylene
- PEX
- Steel (Galvanized, stainless, iron)
- Virtually any type of waterworks pipe materials are acceptable
- Make sure to use appropriate range for the pipe OD
- Recommended to use stainless inserts to reinforce all flexible plastic materials

Materials used in Coupling:

- All materials are NSF 61 approved for drinking water and meet US Public Law 111-380 (Bill S.3874), as well as NSF 61-G, NSF-61-G, NSF 372 and State No Lead Laws
- Body and nut are made of NO-LEAD Waterworks Brass (B89833), for strength and durability
- Gripper sub assembly:
- Gripper body is made of a high performance, water resistant polymer that has the right combination of flexibility & stiffness
- Stainless-Steel teeth provide restraint and electrical conductivity
- Rubber seals are made of NSF grade EPDM

Ease of use:

- Make a clean straight cut on the pipe
- Tighten the connection before installing the tube so that the rubber seal is slightly larger than the pipe
- Insert the pipe to the appropriate depth (marked on body)
- Tighten on to pipe using standard wrenches until the nut can not be turned any further with reasonable force (recommended to meet or exceed 100 ft lbs)

Design features:

- 300 PSI working pressure rating! Same as our other water works couplings
- The connection is shipped ready to use, simply insert the pipe and tighten
- Once tightened onto pipe, the teeth will penetrate the outer surface of the pipe and provide restraint The gripper body will form to the pipe OD and be in full contact and support the pipe around its entire circumference
- The rubber seals conform to the pipe diameter, providing high pressure sealing of the waterway as well as preventing contaminants and soil from entering the gripper area
- The gripper sub-assembly is symmetrical, and therefore the gripper sub-assembly is a snug fit in the nut preventing loss of the gripper and seals in trench
- The Stainless-Steel teeth provide electrical continuity from metallic pipes to the coupling body, eliminating the need for trace wires when metallic pipes are used
- Accommodates pipes that are slightly oval or slightly deformed, saving time and materials in some sizing situations

Cambridge Coupling

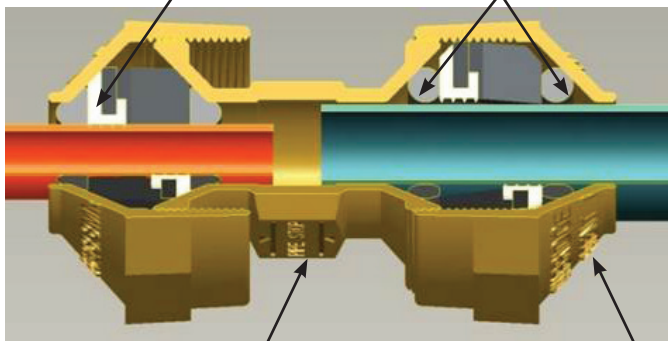
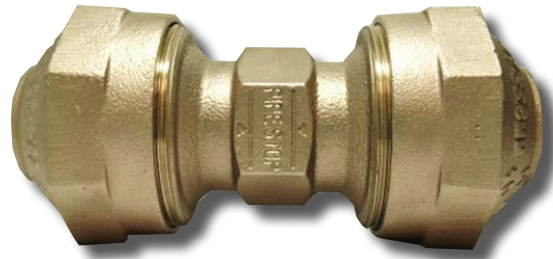
Rated for 300 PSIG

Additional Information

- Every component is made of NSF-61 approved materials, and meets the low lead guidelines regardless of whether it is in contact with water
- Wide wrench flats make it easy to use common everyday tools to tighten the connections
- The coupling body and nuts are made of quality waterworks C89833

Two rows of Stainless-Steel gripping teeth are on each grip ring in alternating positions to provide restraint of the pipe, and electrical continuity to the coupling body (for metallic pipes).

The seal moves down the angled surface to accommodate the different sizes of pipe. The inner seal holds the pressure (300 PSI), while the outer seal keeps dirt and contaminants out of the fitting. Seals are made of NSF approved EPDM.



Pipes are inserted to the indicator markings on the body.

Size ranges are clearly marked in inches and millimeters on the outside of the nut

Pipe OD Range Per Size

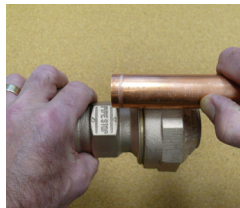
| | Min. Inches | Max. Inches | Min. (mm) | Max. (mm) |
|----|-------------|-------------|-----------|-----------|
| U2 | 0.600 | 0.900 | 15.3 | 22.8 |
| U3 | 0.735 | 1.135 | 18.6 | 28.8 |
| U4 | 1.000 | 1.400 | 25.4 | 35.6 |
| U5 | 1.300 | 1.700 | 33.0 | 43.2 |
| U6 | 1.600 | 2.000 | 40.6 | 50.8 |
| U7 | 1.969 | 2.381 | 50.0 | 60.5 |

| Pipe Material | Insert | Nominal Pipe Size | | | | | | | |
|---|-------------------|-------------------|--------|--------|--------|--------|--------|-----|--|
| | | 1/2" | 5/8" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | |
| Copper (CTS) | Not Required | U2 | U2, U3 | U2, U3 | U3, U4 | U4, U5 | U5, U6 | U7 | |
| Polybutylene, Polyethylene, PET, PEX SDR9 (CTS) | Series 86 | U2 | U2, U3 | U2, U3 | U3, U4 | U4, U5 | U5, U6 | U7 | |
| Galvanized Steel (IPS) | Not Required | U2, U3 | - | U3, U4 | U4, U5 | U5, U6 | U6 | U7 | |
| Polyethylene SDR9, SDR11, SDR17 (IPS) | Series 88, 89, 94 | - | - | U3, U4 | U4, U5 | U5, U6 | U6 | U7 | |
| PVC (IPS) | Not Required | U2, U3 | - | U3, U4 | U4, U5 | U5, U6 | U6 | U7 | |
| Polybutylene, Polyethylene PET, PEX, SIDR7 (PE) | Series 87 | U2, U3 | - | U3, U4 | U4, U5 | U6 | U7 | N/A | |
| Lead Pipe - Strong (S or A) | Not Required | U2, U3 | U3, U4 | U4 | U5 | U6 | U7 | N/A | |
| Lead Pipe - Extra Strong (XS or AA) | Not Required | U2, U3 | U3, U4 | U4 | U5 | U6 | U7 | N/A | |
| Lead Pipe - Double Extra Strong (XXS or AAA) | Not Required | U3 | U4 | U4, U5 | U5 | U6 | U7 | N/A | |

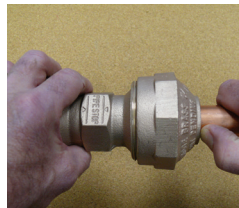
Installation Instructions



1. CUT PIPE TO LENGTH:
Make a clean cut, square to the pipe using an appropriate cutter (roll cutter or shears are preferred.)



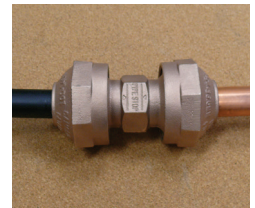
2. INSERTION LENGTH:
Put the fitting beside the pipe and note the length of the pipe to be inserted (use your thumb or marker as a guide.)



3. INSERT THE PIPE:
Insert the pipe to the depth noted. (You may wish to tighten the nut to seal and grip the pipe before insertion.)



4. TIGHTEN THE NUT:
Using standard wrenches, tighten the nut to seal and grip the pipe.

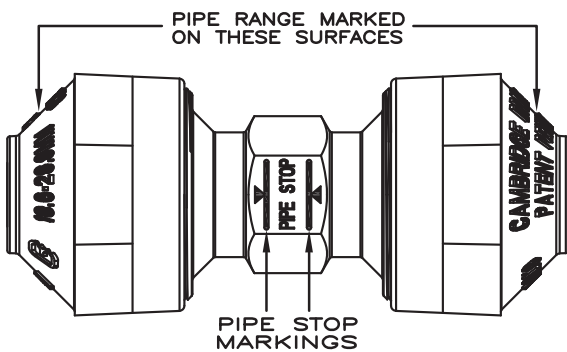


5. COMPLETION:
Continue to tighten until the nut will not move with reasonable force.

Installation Instructions



**CAMBRIDGE
COUPLING**



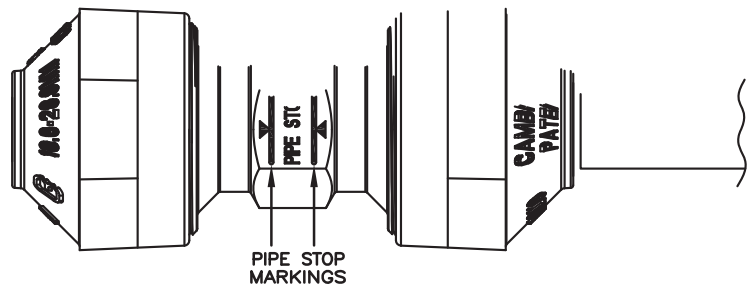
General Precautions

- 1) Handle parts carefully, do not drop, protect threads
- 2) Avoid loose fitting wrenches
- 3) Use stainless steel inserts in plastic tubing
- 4) Piping must be cut square, clean, round and smooth.
Do Not Use A Hacksaw
- 5) Connection type is identified on end of nut
- 6) Always pressure test for leaks before backfilling

SEE REVERSE FOR INSTALLATION



311099A
REV. B



PIPE RANGES, PIPE MATERIALS.

1. Connect pipes with overall diameter within prescribed range.
The range in mm and inches is marked on each nut of the coupling (see pictorial)
2. Connect pipes made from materials accepted in waterworks industry

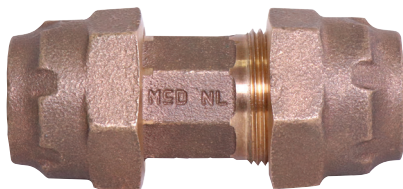
MAKING THE CONNECTION

1. For pipes made from plastics, install the proper insert prior to installation
2. Pre tighten coupling to bring opening slightly larger than the overall diameter of the connected pipes
3. Insert pipe into coupling. Pipe must be inserted to the PIPE STOP marking located on the coupling body (see pictorial). Pipe insertion to the PIPE STOP marking IS CRITICAL for the proper function of the connection.
4. Tighten coupling

IMPORTANT

Coupling must be TIGHT. Tighten until you cannot move the nut any further with reasonable force. The threads of the coupling are lubricated to make tightening easy. A squeak sound may be possible. It is normal to see the gasket protruding from the nut when tightened onto smaller sized pipe.

3/4" up to 2" Ranger Fittings



Cambridge Brass' new RANGER fittings are designed with You, our Customer in mind. The unique design of the RANGER allows it to assemble onto multiple ranges of 3/4" up to 2" nominal pipe diameters from CTS up to PVC. It not only saves time, but the design of this wide-range fitting also reduces inventory by replacing up to 99 compression connections. When you know you have a 3/4" up to 2" service line in the ground, but you don't know the exact type of pipe, grab the RANGER. When you don't know what fitting is stocked on your shelf or don't have room to stock multiple fittings, stock one fitting. Stock the RANGER!

The 3/4" up to 2" RANGER will fit on the following types of pipes:

- CTS – Copper Tube Type K or L
- CTS – PEX Tubing ASTM F876 SDR 9 CSA B137.5
- PEP – Polybutylene ASTM D2662 SIDR7
- PVC – Brass Pipe and PVC ASTM D1785 SCH. 40
- IPS – Polyethylene ASTM D3035 SDR 9 / SDR 11 OD Controlled Iron Pipe Size
- CTS – Polyethylene ASTM D2737 SDR 9 Tube Size
- CTS – Polybutylene ASTM D2666 SDR 9 Tube Size Class 250
- PEP – Polyethylene ASTM D2239 SIDR7 / SIDR9 Polyethylene Pipe Size
- IP – Steel Pipe

Features:

- Meet and exceeds AWWA C800-14, which requires fittings to be suitable for a water pressure of 150 PSIG
- Withstands the same pressures as the tubing, but must not be used with pressures exceeding 300 PSIG
- Double Lead Thread allows for compression nut to be assembled in half the time of a standard compression nut and eliminates the possibility of assembling an incompatible nut to these fittings.
- Designed for underground and aboveground cold potable water systems
- Large wrench flats for tightening
- Tighten-to-torque required - noted on installation instructions
- Provides pull-out strength equal to other compression fittings
- Insert stiffeners are required on all flexible plastic connections.

Series 500, 510, 520 & 502 | Inline & Angle Single Check Valves | Inline Dual Check Valves Angle & Flanged Dual Check Valves | Inline Accessible Dual Check Valves

- Each valve pressure tested prior to shipment.
- Pressure rated at 175 PSIG.
- Temperature range 34°F to 180°F.
- Union or cap of check valve sealed with o-ring and allows easy access to check for inspection, maintenance or replacement and not dependent on cartridge.
- Cast brass Components AWWA C-800 current revision.
- Check is precision molded of plastic with stainless steel spring.
- Check is designed to hold 1 PSIG in the direction of flow.
- Can be installed in either the horizontal or vertical position.
- Can be field tested.
- Available with a wide variety of threaded or Compression outlet connections.
- Check assembly remains together when removed from body (no loose pieces).

590 Angle Single Check Valves

Cambridge Brass' unique Angle Single Check Backflow Valves have meter swivel nut inlets and a wide variety of outlet configurations. Angle single checks can be ordered on our copper meter setters, resetters, insetters, and iron yokes, or they can be used independently.

Our top cap and unique perpendicular check module design ensures convenient access for inspections, maintenance or replacements without removing the valve from the line. Backflow prevention will stop the house water from flowing into a meter pit or on the floor while removing the meter for service.



Features

- Available with a wide variety of threaded or Compression outlet connections.

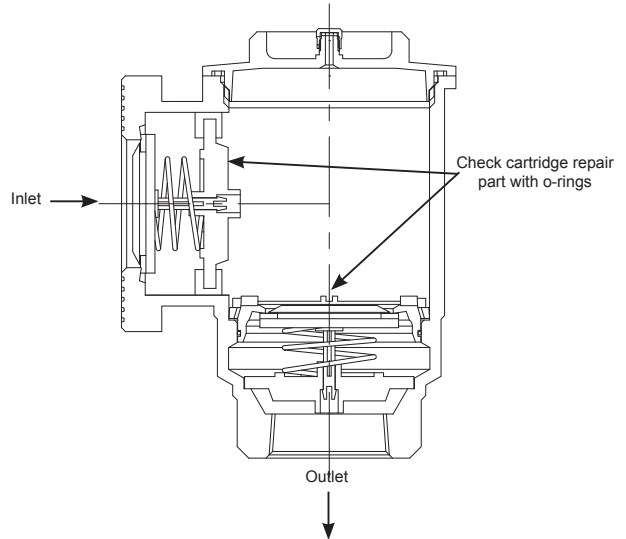
500 Flanged Angle Dual Check Valves

Cambridge Brass' unique Angle Dual Check Backflow Valves have meter oval flange inlet and FNPT outlet configurations. Angle dual checks can be ordered on our copper meter setters, resetters and insetters or they can be used independently.

Our top cap and unique perpendicular check module design ensures convenient access to both checks for inspections, maintenance, or replacements without removing the valve from the line. It also allows for a lower profile than traditional top entry dual checks. Backflow of water is still deterred if either of the checks are removed or inoperable.

Features

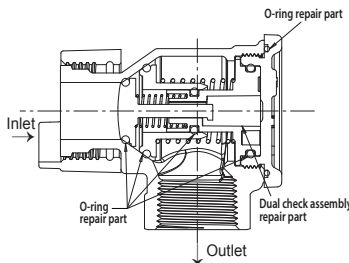
- Angle check valve available with FNPT tap
- Dual checks work independently of each other
- Design Tested to ANSI/ASSE 1024



501 Angle Cascading Dual Check Valves



Installation Instructions Angle Cascading Dual Check Valve



| Meter size based on AWWA C700 | | | |
|-------------------------------|------------|-------------|------------------|
| Meter Size | Meter Code | Thread | Valve Inlet Size |
| 5/8" | 1 | 3/4" NPSM | 1 |
| 5/8" x 3/4" | 2 | 1" MPMSM | 3 |
| 3/4" | 3 | 1" NPSM | 3 |
| 1" | 4 | 1 1/4" NPSM | 4 |

Contact factory for repair parts

Example Part: for 5/8" x 3/4" meter
Order 501NL-T3F3

| Series Number | Inlet Connection | Inlet Size | Outlet Connection | Outlet Size |
|---------------|-------------------------|------------|----------------------|-------------|
| 501NL- | T = Swivel Meter Nut | 1 = 5/8" | F = Female Iron Pipe | 3 = 3/4" |
| | SR = Iron Yoke Star Nut | 3 = 3/4" | | 4 = 1" |
| | | 4 = 1" | | |

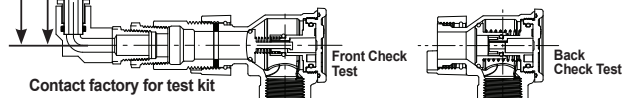
Not all sizes or combinations are available - Contact Factory

(Installation and test procedures on opposite side)

1. Use only for residential and mobile home supply service or individual outlets.
2. The device can be installed in any position.
3. The device shall be installed in an accessible location to facilitate the removal for servicing and testing.
4. Service lines should be thoroughly flushed before installing the device. Excessive pipe sealant or Teflon tape may foul checks. A suitable strainer should be installed upstream of the device.
5. DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or O-rings.
6. Insure that device is installed in proper flow direction. Refer to flow direction arrow on body.
7. Do not over-tighten O-ring cap seal or across body cylinder to avoid distortion.
8. Any sweat fittings must be completed before installing device.
9. A pressure relief valve or expansion tank is recommended downstream of device if thermal expansion conditions are possible.
10. Use only on cold water services. Protect from freezing.
11. Refer to pressure and temperature ratings on device tag.

FIELD INSPECTION AND TEST PROCEDURE

- A. DIS-ASSEMBLY**
1. Remove the device cap.
 2. Remove the dual check assembly using care not to damage device components.
 3. Visually inspect seals, sealing surfaces, etc. for debris or damage.
- B. TESTING**
1. Insert front check into A.Y. McDONALD angle test kit as shown in drawing.
 2. Add water to test kit level to upper red line - 42 inches (1.5 psig).
 3. Observe water level for up to 5 minutes until water level stabilizes. Water level should not fall below lower red line - 28 inches (1.0 psig).
 4. If water column falls below 28 inches the check assembly should be cleaned and re-tested or replaced.
 5. Repeat steps B1 - B4 for rear check.
- C. RE-ASSEMBLY**
1. Clean and inspect device components.
 2. Insert check assembly into body correctly corresponding to flow direction on the device body.
 3. Re-assemble device cap. Do not over-tighten.



WARNING: It is unlawful in CALIFORNIA & VERMONT (effective 1/1/2010); MARYLAND (effective 1/1/2012); LOUISIANA (effective 1/1/2013) and the UNITED STATES OF AMERICA (effective 1/4/2014) to use any product in the installation or repair of any public water system or any plumbing in a facility or system that provides water for human consumption if the wetted surface area of the product has a weighted average lead content greater than 0.25%. This prohibition does not extend to service saddles used in California, Louisiana or under USA Public Law 111-380. **WARNING:** This product can expose you to chemicals including lead, which is known to the State of CALIFORNIA to cause cancer and birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov

510 Inline Accessible Dual Check Valves

Cambridge Brass' unique Inline Accessible Dual Check Backflow Valves have meter swivel nut inlets and a wide variety of outlet configurations.

Our top cap and unique check module design ensures convenient access to both checks for inspections, maintenance or replacements without removing the valve from the line. Backflow of water is still deterred if either of the checks are removed or inoperable.

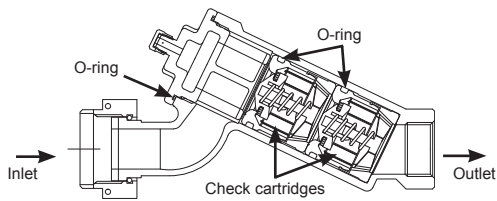


Features

- Dual checks work independently of each other.
- Valve will operate with either check removed.
- Design Tested to ANSI/ASSE 1024

Components and Repair Parts

Standard Flow Direction



500 Angle Dual Check Valves

Cambridge Brass' unique Angle Dual Check Backflow Valves have meter swivel nut inlet and a wide variety of outlet configurations. Angle dual checks can be ordered on our copper meter setters, resetters, insetters, and iron yokes, or they can be used independently.

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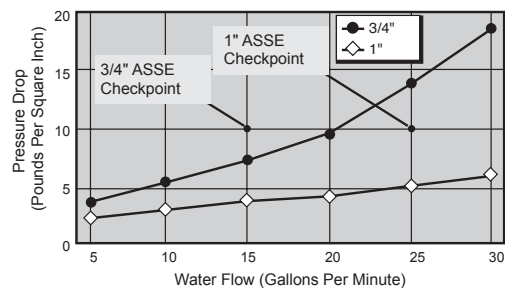
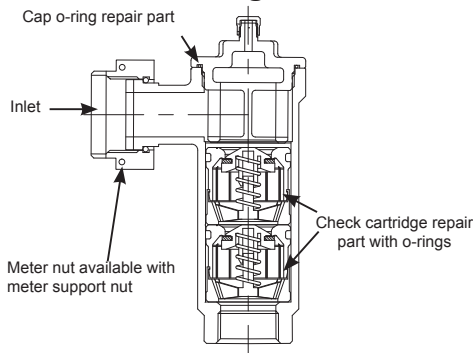
Features

- Dual checks work independently of each other.
- Valve will operate with either check removed.
- Design Tested to ANSI/ASSE 1024 and CSA B64.6 requirements.

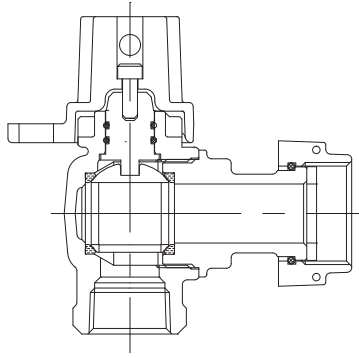
Components and Repair Parts

Most check valves are made to order, please allow two weeks for delivery.

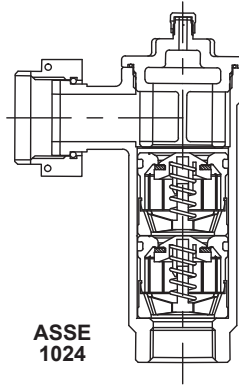
Angle



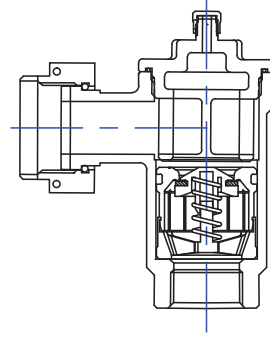
Sectional View



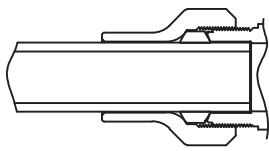
Angle Meter Valve Ball Style



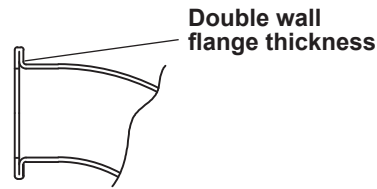
Angle Dual Poppet Check Valve



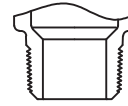
Single Poppet Check Valve



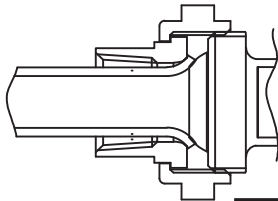
J - Haystite



Copper Tube Flange

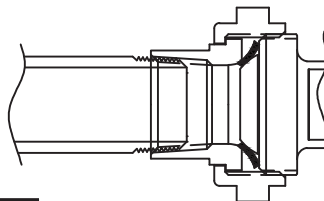


Male National Pipe Threads

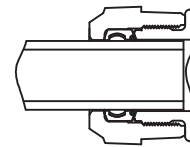


Flare

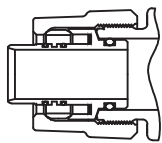
DUAL PURPOSE



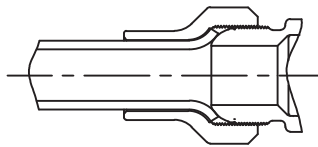
Female National Pipe Threads



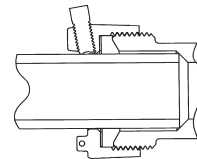
H Compression - Tighten to Stop



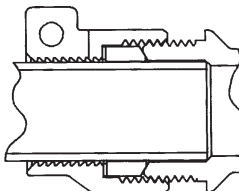
K - C903 - Tighten to Stop



C Flare



IP Compression



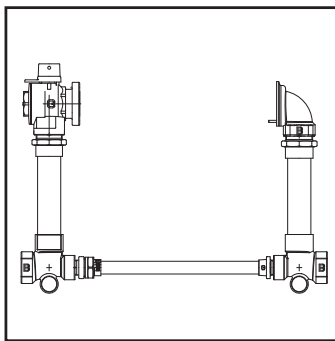
B, PE, PJ Compression

5/8", 5/8" x 3/4", 3/4", 1", 1 1/2", & 2" | Horizontal and Vertical Inlet / Outlet | Tandems - Series 6010, 6011, 6020, 6022, 6030, 6031, 6032, 6035, 6040, 6050 6060, 6065

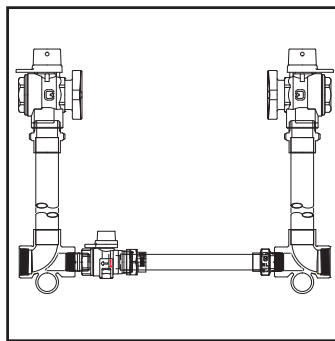
- Brass materials meet or exceed AWWA C-800 (latest revision)
- Copper tubing has a 13/16" O.D. for 5/8", 5/8" x 3/4" or 3/4" meter setters, 1 1/8" O.D. for 1" meter setters, 1 5/8" for 1 1/2" meter setters and 2 1/8" for 2" meter setters.
- Solder is no-lead.
- EPDM rubber gaskets are furnished as standard.
- All meter setters are factory tested air under water.
- Brass support bar is standard on 18" and higher meter setters.
- Lockwing style meter valves are standard.
- Meter swivel nuts with meter support saddle are standard
- For dual check backflow valves, see Dual Check Section.
- Brace eye hole accepts 1/2" iron pipe or PVC for 5/8", 5/8" x 3/4" and 3/4" meters and 1" vertical meter setters.
- Brace eye hole accepts 3/4" iron pipe for PVC or 1", horizontal meter setters.
- Brace eye hole accepts 1" iron pipe or PVC for 1 1/2" & 2", horizontal meter setters.

1 1/2" & 2" Meters

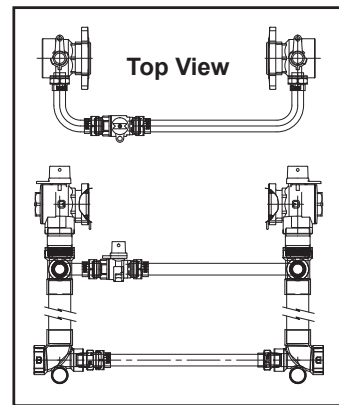
Standard spacing for 1 1/2" meter = 13 5/16". Standard spacing for 2" meter = 17 5/16" to allow for gaskets. Other meter lay lengths must be specified. Contact factory for: 360° turn valve, handle for ball valve, dielectric connections.



No Bypass (-)



Low Bypass (B)



Offset High Bypass (R)

| | | |
|---------------------|--------|-----|
| Meter Size | 1 1/2" | 2" |
| Standard Lay Length | 13" | 17" |

Features

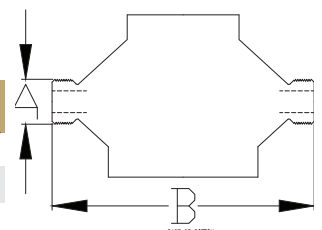
1. All ball valves have lockwings.
2. 1" copper cross tube is standard for no by-pass setters.
3. 1" brace eyes are standard.
4. 2" Meter flanges have slotted bolt holes to fit 1 1/2" or 2" meters.
5. Two drop in flange gaskets furnished
6. Two meter support brackets furnished.
7. Other vertical heights available, contact factory.
8. All copper tubing is "K" weight.
9. For special setting or resetting requirements, contact factory.

OPTIONS

- Insert stiffeners are required on all flexible plastic connections
- Not all combinations available, contact factory.

Meter Dimensions

| Meter Size | 3/4" Short Meter, | | | | | | 1 1/2" | 2" |
|-----------------|-------------------|-------------|------|-----------|---------|-------------|-------------|----|
| | 5/8" | 5/8" x 3/4" | 3/4" | 3/4" x 1" | 1" | 1 1/4" | | |
| A-Meter Threads | 3/4" | 1" | 1" | 1 1/4" | 1 1/4" | Oval Flange | Oval Flange | |
| B-Lay Length | 7 1/2" | 7 1/2" | 9" | 9" | 10 3/4" | 13" | 17" | |



5/8", 5/8" x 3/4", 3/4", & 1" | Series 7010, 7011, 7020, 7025, 7030

Cambridge Brass is pleased to present its extensive line of copper meter insetters. These fine, high quality products offer the end user greater versatility due to the wide variety of end connections, heights, valve options, sizes, and special configurations.

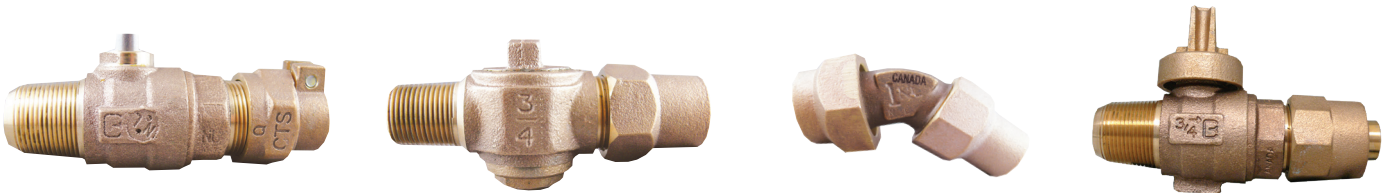
Versatility. That's the theme of our complete and flexible line of copper meter insetters. It also describes our system of model numbers. If you have requirements that are not contained in this catalog, please contact our customer service department. Our professional staff will be happy to work with you to select the product that will fit your needs.



- All cast brass parts conform to latest revision of AWWA C800.
- Copper tubing has a 13/16" O.D. for 5/8", 5/8" x 3/4" or 3/4" meter setters and 1 1/8" O.D. for 1" meter setters.
- Solder is no-lead.
- NSF rubber gaskets are furnished as standard.
- All meter setters tested air under water.
- All meter swivel nuts have wire seal hole.
- Lockwing style meter valves are standard.
- For dual check backflow valves, see Single & Dual Check section.

2/19/25

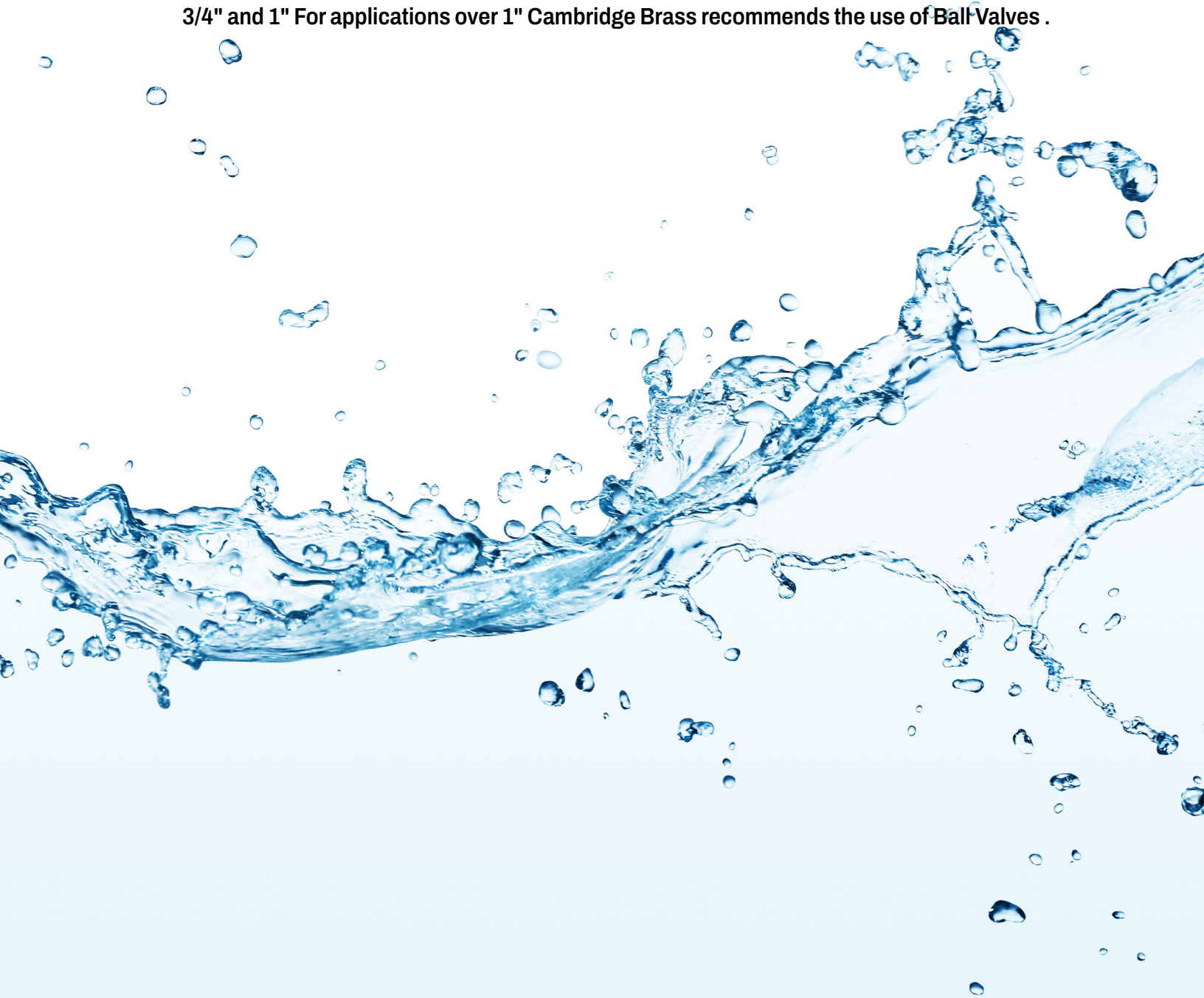
CAMBRIDGE BRASSTM INC



CORPORATION STOPS

PLUG CORPORATION STOPS

Plug Valve Corporation Stops are precision machined to assure a perfect match between the plug and the body. The same machining precision carries over the threads to assure Cambridge Brass high quality. Corporation Stops come standard with a 360 degree operating head. Use only smooth jawed wrenches on the corporation stop bodies and position the wrench only on the flats provided on the bodies. Also position your wrench as close as possible to the threads being tightened to avoid excessive strain or bending moment on the body. Pressure ratings are 100 PSIG for 3/4" and 1" For applications over 1" Cambridge Brass recommends the use of Ball Valves .



CORPORATION STOPS

PLUG 302NL

PLUG CORP

*AWWA ((aka Tapered or CC) X CAMPAK
100 PSI*



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|-------|--------|
| 031-16196 | 302NL-A3B3 | 3/4" | 3/4" |
| 031-16200 | 302NL-A3B4 | 3/4" | 1" |
| 031-16264 | 302NL-A4B4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

PLUG CORP

*MIP (aka Straight) X CAMPAK
100 PSI*

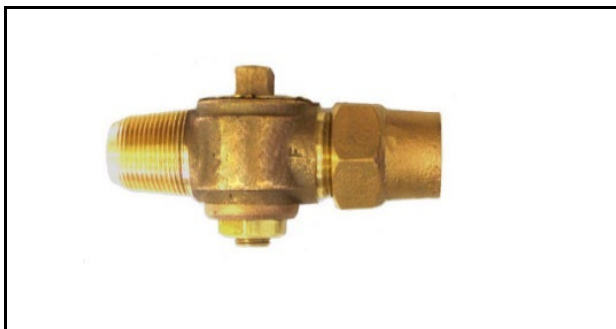


| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|-------|--------|
| 031-16312 | 302NL-M3B3 | 3/4" | 3/4" |
| * | 302NL-M3B4 | 3/4" | 1" |
| 031-16348 | 302NL-M4B4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

PLUG CORP

*AWWA ((aka Tapered or CC) X GRIP JOINT
100 PSI*



| Jabo # | MFG # | Inlet | Outlet |
|-----------|-------------|-------|--------|
| 031-16216 | 302NL-A3GJ3 | 3/4" | 3/4" |
| * | 302NL-A3GJ4 | 3/4" | 1" |
| 031-16280 | 302NL-A4GJ4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

PLUG CORP

*MIP (aka Straight) X GRIP JOINT
100 PSI*



| Jabo # | MFG # | Inlet | Outlet |
|--------|-------------|-------|--------|
| * | 302NL-M3GJ3 | 3/4" | 3/4" |
| * | 302NL-M3GJ4 | 3/4" | 1" |
| * | 302NL-M4GJ4 | 1" | 1" |

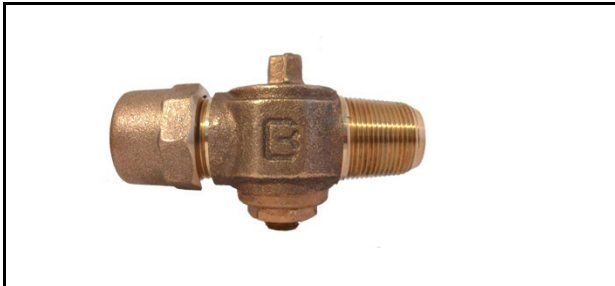
*NON STOCK CALL JABO SUPPLY

CORPORATION STOPS

PLUG 302NL

PLUG CORP

*AWWA ((aka Tapered or CC) X CB COMPRESSION
100 PSI*



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|-------|--------|
| 031-16220 | 302NL-A3H3 | 3/4" | 3/4" |
| 031-16224 | 302NL-A3H4 | 3/4" | 1" |
| 031-16284 | 302NL-A4H4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

PLUG CORP

*MIP ((aka Straight) X CB COMPRESSION
100 PSI*

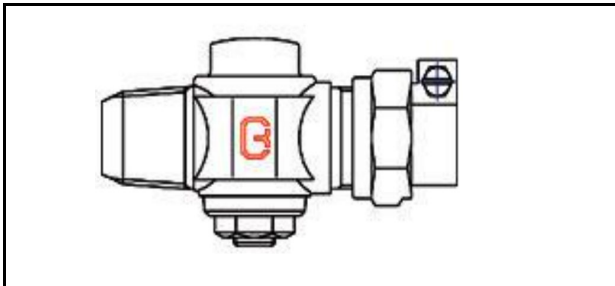


| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|-------|--------|
| 031-16328 | 302NL-M3H3 | 3/4" | 3/4" |
| * | 302NL-M3H4 | 3/4" | 1" |
| 031-16360 | 302NL-M4H4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

PLUG CORP

*AWWA X PEP COMPRESSION (PEP SIDR7)
100 PSI*

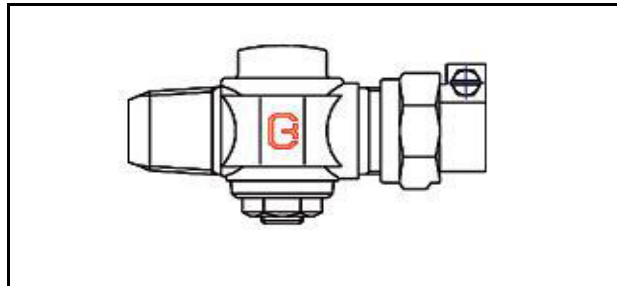


| Jabo # | MFG # | INLET | OUTLET |
|-----------|-------------|-------|--------|
| 031-16256 | 302NL-A3PE3 | 3/4" | 3/4" |

*NON STOCK CALL JABO SUPPLY

CORP STOP- PLUG

*MIP ((aka Straight) X PEP SIDR 7
100 PSI*



| Jabo # | MFG # | Inlet | Outlet |
|--------|-------------|-------|--------|
| * | 302NL-M3PE3 | 3/4" | 3/4" |

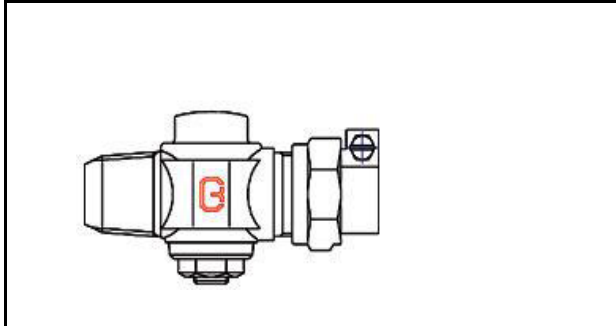
*NON STOCK CALL JABO SUPPLY

CORPORATION STOPS

PLUG 302NL

CORP STOP- PLUG

AWWA ((aka Tapered or CC) X PVC Compression (IPS)
100 PSI

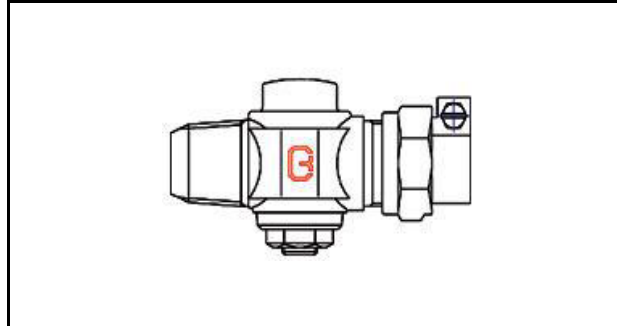


| Jabo # | MFG # | Inlet | Outlet |
|--------|-------------|-------|--------|
| * | 302NL-A3PJ3 | 3/4" | 3/4" |

*NON STOCK CALL JABO SUPPLY

CORP STOP- PLUG

MIP ((aka Straight) X PVC Compression (IPS)
100 PSI

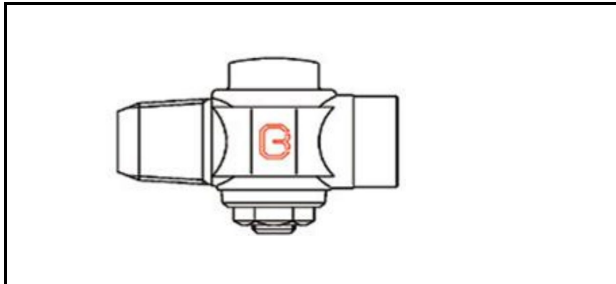


| Jabo # | MFG # | Inlet | Outlet |
|--------|-------------|-------|--------|
| * | 302NL-M3PJ3 | 3/4" | 3/4" |

*NON STOCK CALL JABO SUPPLY

PLUG CORP

MIP ((aka Straight) X FIP
100 PSI



| Jabo # | MFG # | Inlet | Outlet |
|--------|------------|-------|--------|
| * | 302NL-M1F1 | 1/2" | 1/2" |
| * | 302NL-M3F3 | 3/4" | 3/4" |
| * | 302NL-M4F4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

PLUG CORP

MIP ((aka Straight) X MIP
100 PSI



| Jabo # | MFG # | Inlet | Outlet |
|--------|------------|-------|--------|
| * | 302NL-M3M3 | 3/4" | 3/4" |
| * | 302NL-M4M4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

CORPORATION STOPS

PLUG 302NL

PLUG CORP

AWWA (aka Tappered or CC)X FIP
100 PSI



| Jabo # | MFG # | Inlet | Outlet |
|--------|------------|-------|--------|
| * | 302NL-A3F3 | 3/4" | 3/4" |
| * | 302NL-A4F4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

PLUG CORP

AWWA (aka Tappered or CC)X MIP
100 PSI



| Jabo # | MFG # | Inlet | Outlet |
|--------|------------|-------|--------|
| * | 302NL-A3M3 | 3/4" | 3/4" |
| * | 302NL-A4M4 | 1" | 1" |

BALL CORPORATION STOPS

Ball Valve Corporation Stops come standard with 360 degree operating head and are designed for low turning torques and high pressures (300) psig. The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N orings on the Stainless Steel blow out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble tight feature at 300 PSIG makes these valves a better choice than a plug valve when tested or operating pressures over 100 PSIG are expected. All Cambridge Brass Ball Valve Corporation Stops are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted on manufacture catalog



CORPORATION STOPS

BALL CORP 301NL

BALL CORP

AWWA/CC (aka Tapered or CC) X CAMPAK
300 PSI



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| 031-15676 | 301NL-A3B3 | 3/4" | 3/4" |
| 031-15744 | 301NL-A4B4 | 1" | 1" |
| * | 301NL-A5B5 | 1-1/4" | 1-1/4" |
| * | 301NL-A6B6 | 1-1/2" | 1-1/2" |
| * | 301NL-A6B7 | 1-1/2" | 2" |
| 031-15904 | 301NL-A7B7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

BALL CORP

MIP (aka Straight)X CAMPAK
300 PSI



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| 031-15968 | 301NL-M3B3 | 3/4" | 3/4" |
| 031-16020 | 301NL-M4B4 | 1" | 1" |
| * | 301NL-M5B5 | 1-1/4" | 1-1/4" |
| * | 301NL-M6B6 | 1-1/2" | 1-1/2" |
| * | 301NL-M6B7 | 1-1/2" | 2" |
| 031-16144 | 301NL-M7B7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

BALL CORP

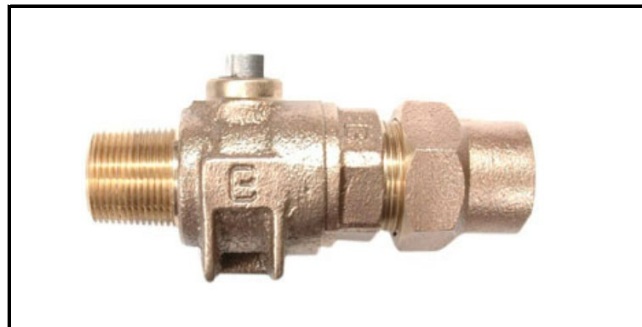
AWWA/CC ((aka Tapered or CC) X GRIP JOINT
300 PSI



| Jabo # | MFG # | Inlet | Outlet |
|-----------|-------------|-------|--------|
| 031-15688 | 301NL-A3GJ3 | 3/4" | 3/4" |
| 031-15760 | 301NL-A4GJ4 | 1" | 1" |

BALL CORP

MIP (aka Straight)X GRIPJOINT
300 PSI



| Jabo # | MFG # | Inlet | Outlet |
|--------|-------------|--------|--------|
| * | 301NL-M3GJ3 | 3/4" | 3/4" |
| * | 301NL-M3GJ4 | 3/4" | 1" |
| * | 301NL-M4GJ4 | 1" | 1" |
| * | 301NL-M6GJ6 | 1-1/2" | 1-1/2" |
| * | 301NL-M7GJ7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

CORPORATION STOPS

BALL CORP 301NL

BALL CORP

AWWA/CC (Tapered or CC) x CB COMPRESSION
300 PSI



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| * | 301NL-A1H1 | 1/2" | 1/2" |
| * | 301NL-A1H2 | 1/2" | 5/8" |
| * | 301NL-A2H2 | 5/8" | 5/8" |
| 031-15692 | 301NL-A3H3 | 3/4" | 3/4" |
| * | 301NL-A3H4 | 3/4" | 1" |
| 031-15764 | 301NL-A4H4 | 1" | 1" |
| * | 301NL-A5H5 | 1-1/4" | 1-1/4" |
| * | 301NL-A6H6 | 1-1/2" | 1-1/2" |
| * | 301NL-A6H7 | 1-1/2" | 2" |
| * | 301NL-A6H7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

BALL CORP

MIP (aka Straight) X CB COMPRESSION
300 PSI



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| 031-15988 | 301NL-M3H3 | 3/4" | 3/4" |
| 031-16036 | 301NL-M4H4 | 1" | 1" |
| * | 301NL-M5H5 | 1-1/4" | 1-1/4" |
| * | 301NL-M6H6 | 1-1/2" | 1-1/2" |
| * | 301NL-M6H7 | 1-1/2" | 2" |
| 031-16160 | 301NL-M7H7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

BALL CORP

AWWA(aka: Tapered or CC) PEP (SIDR7)
300 PSI

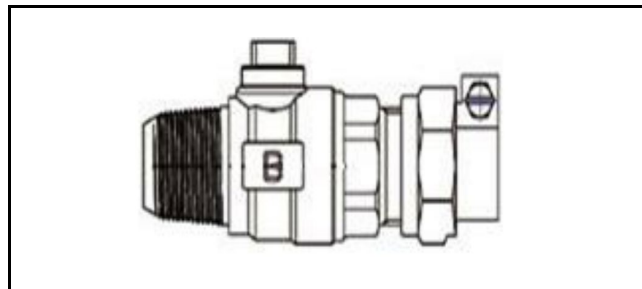


| Jabo # | MFG # | Inlet | Outlet |
|-----------|-------------|--------|--------|
| 031-15736 | 301NL-A3PE3 | 3/4" | 3/4" |
| 031-15804 | 301NL-A4PE4 | 1" | 1" |
| * | 301NL-A5PE5 | 1-1/4" | 1-1/4" |
| * | 301NL-A6PE6 | 1-1/2" | 1-1/2" |
| * | 301NL-A7PE7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

BALL CORP

MIP X-PEP (SIDR7)
300 PSI



| Jabo # | MFG # | Inlet | Outlet |
|--------|-------------|--------|--------|
| * | 301NL-M3PE3 | 3/4" | 3/4" |
| * | 301NL-M4PE4 | 1" | 1" |
| * | 301NL-M5PE5 | 1-1/4" | 1-1/4" |
| * | 301NL-M6PE6 | 1-1/2" | 1-1/2" |
| * | 301NL-M7PE7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

CORPORATION STOPS

BALL CORP 301NL

BALL CORP

*AWWA (Tapered or CC) X PVC COMPRESSION (IPS)
300 PSI*

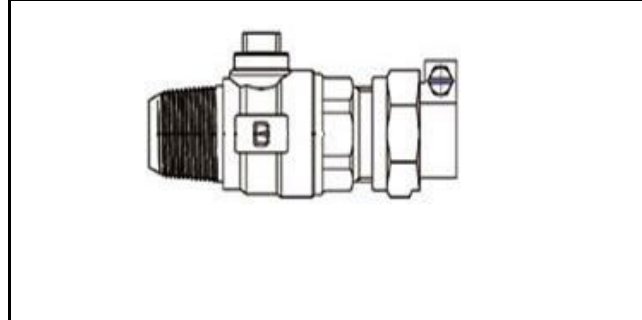


| Jabo # | MFG # | Inlet | Outlet |
|--------|-------------|--------|--------|
| * | 301NL-A3PJ3 | 3/4" | 3/4" |
| * | 301NL-A4PJ4 | 1" | 1" |
| * | 301NL-A5PJ5 | 1-1/4" | 1-1/4" |
| * | 301NL-A6PJ6 | 1-1/2" | 1-1/2" |
| * | 301NL-A7PJ7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

BALL CORP

*MIP (STRAIGHT) X PVC COMPRESSION (IPS)
300 PSI*



| Jabo # | MFG # | Inlet | Outlet |
|-----------|-------------|--------|--------|
| * | 301NL-M3PJ3 | 3/4" | 3/4" |
| * | 301NL-M4PJ4 | 1" | 1" |
| * | 301NL-M5PJ5 | 1-1/4" | 1-1/4" |
| * | 301NL-M6PJ6 | 1-1/2" | 1-1/2" |
| 031-16180 | 301NL-M7PJ7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

BALL CORP

*MIP ((aka Straight) X FIP)
300 PSI*



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| * | 301NL-M3F3 | 3/4" | 3/4" |
| 031-16028 | 301NL-M4F4 | 1" | 1" |
| * | 301NL-M5F5 | 1-1/4" | 1-1/4" |
| * | 301NL-M5F6 | 1-1/2" | 1-1/2" |
| * | 301NL-M6F6 | 1-1/2" | 1-1/2" |
| 031-16152 | 301NL-M7F7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

BALL CORP

*MIP ((aka Straight) X MIP)
300 PSI*



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| * | 301NL-M3M3 | 3/4" | 3/4" |
| * | 301NL-M4M4 | 1" | 1" |
| * | 301NL-M5M5 | 1-1/4" | 1-1/4" |
| * | 301NL-M6M6 | 1-1/2" | 1-1/2" |
| * | 301NL-M6M7 | 1-1/2" | 2" |
| 031-16172 | 301NL-M7M7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

CORPORATION STOPS

BALL CORP 301NL

BALL CORP

AWWA (aka Tappered or CC)X FIP

300 PSI



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| * | 301NL-A3F3 | 3/4" | 3/4" |
| * | 301NL-A4F4 | 1" | 1" |
| * | 301NL-A5F5 | 1-1/4" | 1-1/4" |
| * | 301NL-A6F6 | 1-1/2" | 1-1/2" |
| 031-15916 | 301NL-A7F7 | 2" | 2' |

*NON STOCK CALL JABO SUPPLY

BALL CORP

AWWA (aka Tappered or CC)X MIP

300 PSI



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| * | 301NL-A1M1 | 1/2" | 1/2" |
| * | 301NL-A3M3 | 3/4" | 3/4" |
| * | 301NL-A4M4 | 1" | 1" |
| * | 301NL-A5M5 | 1-1/4" | 1-1/4" |
| * | 301NL-A5M6 | 1-1/4" | 1-1/2" |
| * | 301NL-A6M6 | 1-1/2" | 1-1/2" |
| * | 301NL-A6M7 | 1-1/2" | 2" |
| 031-15940 | 301NL-A7M7 | 2" | 2' |

*NON STOCK CALL JABO SUPPLY

2/19/25



CAMBRIDGE BRASSTM INC



BRASS SADDLES



BRASS SADDLES

C900 PVC AWWA & FIP THREADS

BRASS HINGED SADDLES SERIES 800 -C900 PIPE - PIPE SIZE 4-8"

Above 8" See Two Bolt Model 805



C900

| AWWA THREADS | | | |
|--------------|-------------|-----------|----------|
| Jabo # | MFG # | Pipe Size | Tap Size |
| 031-23796 | 800-0480-A3 | 4" | 3/4" |
| 031-23800 | 800-0480-A4 | 4" | 1" |
| * | 800-0480-A6 | 4" | 1-1/2" |
| * | 800-0480-A7 | 4" | 2" |
| * | 800-0690-A1 | 6" | 1/2" |
| 031-23864 | 800-0690-A3 | 6" | 3/4" |
| 031-23868 | 800-0690-A4 | 6" | 1" |
| 031-23872 | 800-0690-A6 | 6" | 1-1/2" |
| * | 800-0690-A7 | 6" | 2" |
| 031-23928 | 800-0905-A3 | 8" | 3/4" |
| 031-23932 | 800-0905-A4 | 8" | 1" |
| * | 800-0905-A6 | 8" | 1-1/2" |
| * | 800-0905-A7 | 8" | 2" |

* NON STOCK CALL JABO SUPPLY

| FIP THREADS | | | |
|-------------|-------------|-----------|----------|
| Jabo # | MFG # | Pipe Size | Tap Size |
| 031-23812 | 800-0480-F3 | 4" | 3/4" |
| 031-23816 | 800-0480-F4 | 4" | 1" |
| * | 800-0480-F6 | 4" | 1-1/2" |
| 031-23824 | 800-0480-F7 | 4" | 2" |
| * | 800-0690-F1 | 6" | 1/2" |
| 031-23880 | 800-0690-F3 | 6" | 3/4" |
| 031-23884 | 800-0690-F4 | 6" | 1" |
| * | 800-0690-F6 | 6" | 1-1/2" |
| 031-23892 | 800-0690-F7 | 6" | 2" |
| 031-23944 | 800-0905-F3 | 8" | 3/4" |
| 031-23948 | 800-0905-F4 | 8" | 1" |
| * | 800-0905-F6 | 8" | 1-1/2" |
| 031-23956 | 800-0905-F7 | 8" | 2" |

* NON STOCK CALL JABO SUPPLY

TWO BOLT BRASS SADDLES SERIES 805 C900 PIPE SIZES 10-12"

Used on 10-12" C900



FITS C900

| AWWA THREADS | | | |
|--------------|-------------|-----------|----------|
| Jabo # | MFG # | Pipe Size | Tap Size |
| 031-23992 | 805-1110-A3 | 10" | 3/4" |
| 031-23996 | 805-1110-A4 | 10" | 1" |
| * | 805-1110-A6 | 10" | 1-1/2" |
| * | 805-1110-A7 | 10" | 2" |
| 031-24056 | 805-1320-A3 | 12" | 3/4" |
| 031-24060 | 805-1320-A4 | 12" | 1" |
| * | 805-1320-A6 | 12" | 1-1/2" |
| * | 805-1320-A7 | 12" | 2" |

* NON STOCK CALL JABO SUPPLY

| FIP THREADS | | | |
|-------------|-------------|-----------|----------|
| Jabo # | MFG # | Pipe Size | Tap Size |
| * | 805-1110-F3 | 10" | 3/4" |
| 031-24012 | 805-1110-F4 | 10" | 1" |
| * | 805-1110-F6 | 10" | 1-1/2" |
| 031-24020 | 805-1110-F7 | 10" | 2" |
| * | 805-1320-F3 | 12" | 3/4" |
| 031-24076 | 805-1320-F4 | 12" | 1" |
| * | 805-1320-F6 | 12" | 1-1/2" |
| 031-24084 | 805-1320-F7 | 12" | 2" |

* NON STOCK CALL JABO SUPPLY

BRASS SADDLES

IPS PVC SADDLES

BRASS HINGED SADDLES IPS PVC PIPE SIZE 2-8"

Above 8" See Two Bolt Model 805



| AWWA THREADS | | | |
|--------------|-------------|-----------|----------|
| Jabo # | MFG # | Pipe Size | Tap Size |
| 031-23716 | 800-0238-A3 | 2" | 3/4" |
| 031-23720 | 800-0238-A4 | 2" | 1" |
| * | 800-0288-A3 | 2-1/2" | 3/4" |
| * | 800-0288-A4 | 2-1/2" | 1" |
| 031-23748 | 800-0350-A3 | 3" | 3/4" |
| 031-23752 | 800-0350-A4 | 3" | 1" |
| 031-23764 | 800-0450-A3 | 4" | 3/4" |
| 031-23768 | 800-0450-A4 | 4" | 1" |
| * | 800-0450-A6 | 4" | 1-1/2" |
| * | 800-0450-A7 | 4" | 2" |
| * | 800-0663-A1 | 6" | 1/2" |
| 031-23828 | 800-0663-A3 | 6" | 3/4" |
| 031-23832 | 800-0663-A4 | 6" | 1" |
| * | 800-0663-A6 | 6" | 1-1/2" |
| * | 800-0663-A7 | 6" | 2" |
| 031-23896 | 800-0863-A3 | 8" | 3/4" |
| 031-23900 | 800-0863-A4 | 8" | 1" |
| * | 800-0863-A6 | 8" | 1-1/2" |
| * | 800-0863-A7 | 8" | 2" |

* NON STOCK CALL JABO SUPPLY

| FIP THREADS | | | |
|-------------|-------------|-----------|----------|
| Jabo # | MFG # | Pipe Size | Tap Size |
| 031-23724 | 800-0238-F3 | 2" | 3/4" |
| 031-23728 | 800-0238-F4 | 2" | 1" |
| * | 800-0288-F3 | 2-1/2" | 3/4" |
| 031-23744 | 800-0288-F4 | 2-1/2" | 1" |
| 031-23756 | 800-0350-F3 | 3" | 3/4" |
| 031-23760 | 800-0350-F4 | 3" | 1" |
| 031-23780 | 800-0450-F3 | 4" | 3/4" |
| 031-23784 | 800-0450-F4 | 4" | 1" |
| * | 800-0450-F6 | 4" | 1-1/2" |
| 031-23792 | 800-0450-F7 | 4" | 2" |
| * | 800-0663-F1 | 6" | 1/2" |
| 031-23844 | 800-0663-F3 | 6" | 3/4" |
| 031-23848 | 800-0663-F4 | 6" | 1" |
| * | 800-0663-F6 | 6" | 1-1/2" |
| 031-23856 | 800-0663-F7 | 6" | 2" |
| 031-23912 | 800-0863-F3 | 8" | 3/4" |
| 031-23916 | 800-0863-F4 | 8" | 1" |
| * | 800-0863-F6 | 8" | 1-1/2" |
| 031-23924 | 800-0863-F7 | 8" | 2" |

* NON STOCK CALL JABO SUPPLY

BRASS TWO BOLT SADDLES IPS PIPE SIZE 10-12"

Used on IPS 10-12" SERIES 805



| AWWA THREADS | | | |
|--------------|-------------|-----------|----------|
| Jabo # | MFG # | Pipe Size | Tap Size |
| 031-23960 | 805-1075-A3 | 10" | 3/4" |
| 031-23964 | 805-1075-A4 | 10" | 1" |
| * | 805-1075-A6 | 10" | 1-1/2" |
| * | 805-1075-A7 | 10" | 2" |
| * | 805-1275-A3 | 12" | 3/4" |
| * | 805-1275-A4 | 12" | 1" |
| * | 805-1275-A6 | 12" | 1-1/2" |
| * | 805-1275-A7 | 12" | 2" |

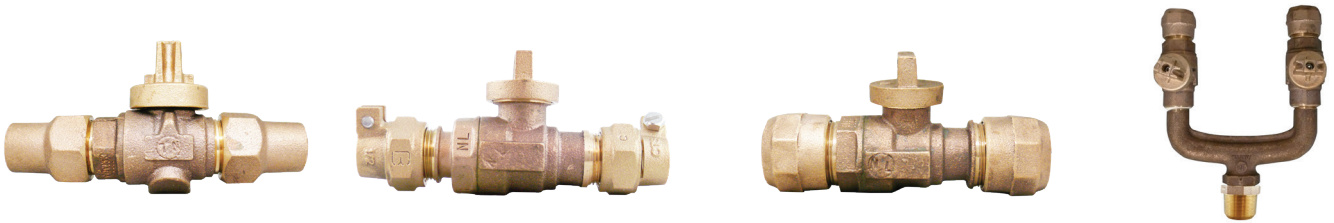
* NON STOCK CALL JABO SUPPLY

| FIP THREADS | | | |
|-------------|-------------|-----------|----------|
| Jabo # | MFG # | Pipe Size | Tap Size |
| * | 8051075-F3 | 10" | 3/4" |
| 031-23980 | 805-1075-F4 | 10" | 1" |
| * | 805-1075-F6 | 10" | 1-1/2" |
| 031-23988 | 805-1075-F7 | 10" | 2" |
| * | 805-1275-F3 | 12" | 3/4" |
| 031-24044 | 805-1275-F4 | 12" | 1" |
| * | 805-1275-F6 | 12" | 1-1/2" |
| 031-24032 | 805-1275-F7 | 12" | 2" |

* NON STOCK CALL JABO SUPPLY



CAMBRIDGE BRASSTM INC



CURB STOPS

CURB STOPS

202NL-BALL VALVES FULL PORT
RATED 300 PSIG

CTS X CTS

Campak x Campak

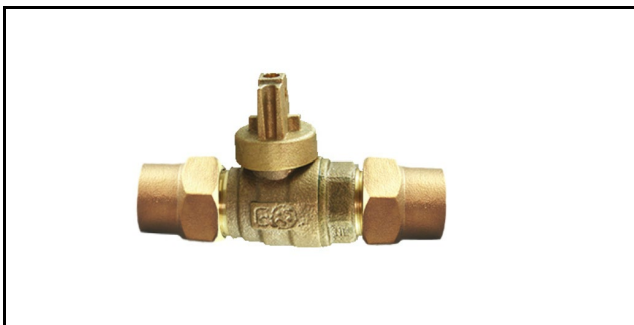


| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| * | 202NL-B1B1 | 1/2" | 1/2" |
| * | 202NL-B2B2 | 5/8" | 5/8" |
| * | 202NL-B3B2 | 3/4" | 5/8" |
| 031-12844 | 202NL-B3B3 | 3/4" | 3/4" |
| 031-12860 | 202NL-B4B4 | 1" | 1" |
| * | 202NL-B5B5 | 1-1/4" | 1-1/4" |
| * | 202NL-B6B6 | 1-1/2" | 1-1/2" |
| 031-12884 | 202NL-B7B7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

CTS X CTS

GRIP JOINT COMPRESSION X GRIP COMPRESSION



| Jabo # | MFG # | Inlet | Outlet |
|-----------|--------------|--------|--------|
| 031-13026 | 202NL-GJ3GJ3 | 3/4" | 3/4" |
| * | 202NL-GJ4GJ4 | 1" | 1" |
| * | 202NL-GJ6F6 | 1-1/2" | 1-1/2" |
| * | 202NL-GJ7F7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

CTS X CTS

CB Compression X CB Compression



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| * | 202NL-H1H1 | 1/2" | 1/2" |
| * | 202NL-H2H1 | 5/8" | 1/2" |
| * | 202NL-H2H2 | 5/8" | 5/8" |
| * | 202NL-H3H1 | 3/4" | 1/2" |
| * | 202NL-H3H2 | 3/4" | 5/8" |
| 031-13092 | 202NL-H3H3 | 3/4" | 3/4" |
| * | 202NL-H3H4 | 3/4" | 1" |
| * | 202NL-H4H1 | 1" | 1/2" |
| * | 202NL-H4H3 | 1" | 3/4" |
| 031-13144 | 202NL-H4H4 | 1" | 1" |
| * | 202NL-H5H5 | 1-1/4" | 1-1/4" |
| * | 202NL-H6H6 | 1-1/2" | 1-1/2" |
| * | 202NL-H7H7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

CURB STOPS

202NL-BALL VALVES FULL PORT
RATED 300 PSIG

CTS X FIP

Campak x FIP



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| * | 202NL-B2F3 | 5/8" | 3/4" |
| 031-12848 | 202NL-B3F3 | 3/4" | 3/4" |
| * | 202NL-B4F4 | 1" | 1" |
| * | 202NL-B6F6 | 1-1/2" | 1-1/2" |
| * | 202NL-B7F7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

CTS X FIP

CB Compression X FIP



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| * | 202NL-H2F3 | 5/8" | 3/4" |
| * | 202NL-H3F3 | 3/4" | 3/4" |
| * | 202NL-H4F4 | 1" | 1" |
| * | 202NL-H5F5 | 1-1/4" | 1-1/4" |
| * | 202NL-H6F6 | 1-1/2" | 1-1/2" |
| 031-13212 | 202NL-H7F7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

CTS X PEP

Campak CTS x PEP SIDR 7



| Jabo # | MFG # | Inlet | Outlet |
|-----------|-------------|--------|--------|
| 031-12857 | 202NL-B3PE3 | 3/4" | 3/4" |
| * | 202NL-B4PE4 | 1" | 1" |
| * | 202NL-B5PE5 | 1-1/4" | 1-1/4" |
| * | 202NL-B6PE6 | 1-1/2" | 1-1/2" |
| * | 202NL-B7PE7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

PEPX PEP

PEP COMPRESSION X PEP COMPRESSION SIDR 7



| Jabo # | MFG # | Inlet | Outlet |
|-----------|--------------|--------|--------|
| 031-13344 | 202NL-PE3PE3 | 3/4" | 3/4" |
| 031-13352 | 202NL-PE4PE4 | 1" | 1" |
| * | 202NL-PE5PE5 | 1-1/4" | 1-1/4" |
| * | 202NL-PE6PE6 | 1-1/2" | 1-1/2" |
| * | 202NL-PE7PE7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

CURB STOPS

202NL-BALL VALVES FULL PORT
RATED 300 PSIG

FIP X FIP

FIP X FIP

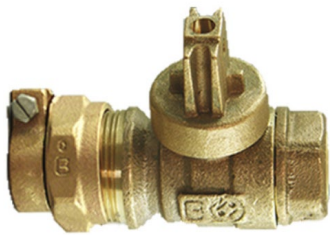


| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| * | 202NL-F1F1 | 1/2" | 1/2" |
| 031-12972 | 202NL-F3F3 | 3/4" | 3/4" |
| 031-12984 | 202NL-F4F4 | 1" | 1" |
| 031-13004 | 202NL-F5F5 | 1-1/4" | 1-1/4" |
| 031-13008 | 202NL-F6F6 | 1-1/2" | 1-1/2" |
| 031-13016 | 202NL-F7F7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

PVC (IPS) X FIP

PVC COMPRESSION (IPS) X FIP



| Jabo # | MFG # | Inlet | Outlet |
|--------|--------------|--------|--------|
| * | 202NL-PJ3F3 | 3/4" | 3/4" |
| * | 202NL-PJ4F4 | 1" | 1" |
| * | 202NL-PJ5F5 | 1-1/4" | 1-1/4" |
| * | 202NL-PJ6PJ6 | 1-1/2" | 1-1/2" |
| * | 202NL-PJ7F7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

PVC (IPS) X PVC (IPS)

PVC COMPRESSION (IPS) X PVC COMPRESSION



| Jabo # | MFG # | Inlet | Outlet |
|--------|--------------|--------|--------|
| * | 202NL-PJ3PJ3 | 3/4" | 3/4" |
| * | 202NL-PJ4PJ4 | 1" | 1" |
| * | 202NL-PJ5PJ5 | 1-1/4" | 1-1/4" |
| * | 202NL-PJ6PJ6 | 1-1/2" | 1-1/2" |
| * | 202NL-PJ7PJ7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

OTHER OPTIONS AVAILABLE

Copper Flare X Copper Flare

Copper Flare X FIP

CB Compression (cts) X CB Compression Insulated

CB Compression Insulated X FIP

CB X CB Compression Electrical Connection

Haystite x Haystite Compression

Haystite Compression X FIP

C903 X FIP

C903 Electrical (Both Ends)

C903 Electrical Tail X CB Compression

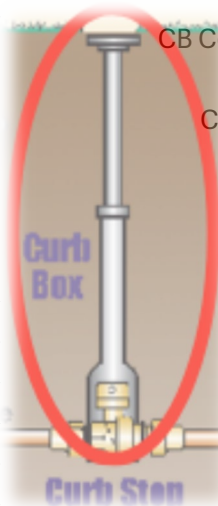
C903 X CB Compression

C903 X C903

PEP Size Compression (PE SIDR7) X FIP

VISIT CAMBRIDGE BRASS WEBSITE

www.cambridgebrass.com



2/19/25

CAMBRIDGE BRASSTM INC



METER VALVES

METER VALVES

210NL- BALL STYLE ANGLE VALVES-FULL PORT

Rated for 300 PSI - 5/8", 5/8" x 3/4", 1", 1-1/2" or 2" Meters

Ball style angle meter valves are designed for low turning torques and high pressure (300PSI). The no lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna N orings on the Stainless -Steel blow-out proof stem designed to isolated from the line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feture at 300 PSI makes these valves a better choice than a plug valve when test or operating pressures over 100 PSI are expected. All Cambridge Brass Ball angle meter valves are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 \$ 372 standards, except where noted. Meter swivel nuts are less saddle, have internal threads per AWWA C700 specifications & include a hole for a wire seal, unless otherwise specified. EPDM Gaskets are supplied as standard.

CTS X METER NUT

Campak Compression x Meter Nut



| Jabo # | MFG # | Inlet | Outlet |
|-----------|-------------|--------|--------|
| 031-13784 | 210NL-B3T3 | 3/4" | 3/4" |
| * | 210NL-B4T3 | 1" | 3/4" |
| * | 210NL-B4T4 | 1" | 1" |
| * | 210NL-B6MF6 | 1-1/2" | 1-1/2" |
| * | 210NL-B7MF7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

CTS X FIP

Campak x FIP



| Jabo # | MFG # | Inlet | Outlet |
|--------|------------|-------|--------|
| * | 210NL-B3F3 | 3/4" | 3/4" |
| * | 210NL-B4F3 | 1" | 3/4" |
| * | 210NL-B4F4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

- *Campak Compression x FIP
- *FIP X FIP
- *Copper Flare x Meter Connection
- *Copper Flare x FIP
- *FIP X Meter Connection
- *Grip Joint x Meter Connection
- *CB Compression x Meter Connection

OTHERS AVAILABLE

- *CB Compression x FIP
- *C903 X FIP
- *C903 X Meter Connection

CALL YOUR JABO CUSTOMER SERVICE REPRESENTATIVE FOR MORE INFORMATION

VISIT CAMBRIDGE BRASS WEBSITE www.cambridgebrass.com

METER VALVES

212NL-BALL STYLE STRAIGHT VALVES - FULL PORT

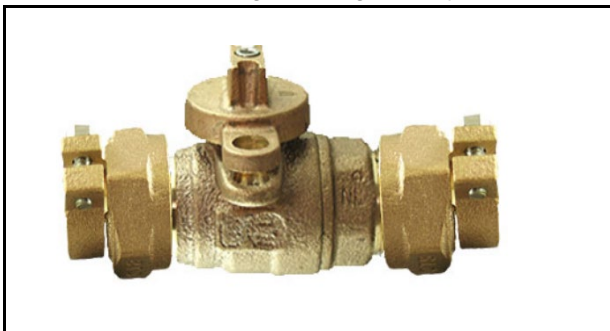
Rated for 300 PSIG- 5/8", 5/8"x 3/4", 3/4", 1", 1-1/2" or 2" Meters

Ball Style Straight Meter Valves come standard with a 90 degree operating head and are designed for low turning torques and high pressure (300 PSIG). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless Steel low-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble-tight feature at 300 PSI makes these valves a better choice than a plug valve when test or operating pressures over 100PSI are expected. All Cambridge Brass meter valves are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. Meter swivel nuts are less saddle, have internal threads per AWWA C700 specifications & include a hole for a wire seal, unless otherwise specified EPDM Gaskets are supplied as standard.

CTS X CTS

Campak x Campak

Includes: lockwing for locking in close position



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| 031-14200 | 212NL-B3B3 | 3/4" | 3/4" |
| 031-14228 | 212NL-B4B4 | 1" | 1" |
| * | 212NL-B6B6 | 1-1/2" | 1-1/2" |
| * | 212NL-B7B7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

CTS X CTS

CB Compression X CB Compression

Includes: lockwing for locking in close position



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| 031-14564 | 212NL-H3H3 | 3/4" | 3/4" |
| * | 212NL-H4H3 | 1" | 3/4" |
| 031-14604 | 212NL-H4H4 | 1" | 1" |
| * | 212NL-H5F5 | 1-1/4" | 1-1/4" |
| * | 212NL-H6H6 | 1-1/2" | 1-1/2" |
| * | 212NL-H7H7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

METER VALVES

212NL-BALL SYTLE STRAIGHT VALVES - FULL PORT
 Rated for 300 PSIG- 5/8", 5/8"x 3/4", 3/4", 1", 1-1/2" or 2" Meters

CTS X FIP

Campak x FIP

Includes: lockwing for locking in close position



| Jabo # | MFG # | Inlet | Outlet |
|-----------|-------------|--------|--------|
| 031-14196 | 212NL-B3F3 | 3/4" | 3/4" |
| * | 212NL-B4F3 | 1" | 3/4" |
| 031-14240 | 212NL-B4F4 | 1" | 1" |
| * | 212NL-B6F6 | 1-1/2" | 1-1/2" |
| * | 212-NL-B7B7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

CTS X FIP

CB Compression X FIP

Includes: lockwing for locking in close position



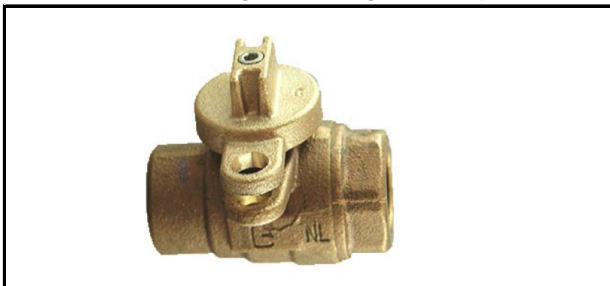
| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| 031-14556 | 212NL-H3F3 | 3/4" | 3/4" |
| * | 212NL-H4F3 | 1" | 3/4" |
| 031-14596 | 212NL-H4F4 | 1" | 1" |
| * | 212NL-H5F5 | 1-1/4" | 1-1/4" |
| * | 212NL-H6F6 | 1-1/2" | 1-1/2" |
| * | 212NL-H7F7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

FIP X FIP

FIP X FIP

Includes: lockwing for locking in close position



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|--------|--------|
| 031-14376 | 212NL-F3F3 | 3/4" | 3/4" |
| * | 212NL-F4F3 | 1" | 3/4" |
| 031-14436 | 212NL-F4F4 | 1" | 1" |
| * | 212NL-F5F5 | 1-1/4" | 1-1/4" |
| * | 212NL-F6F6 | 1-1/2" | 1-1/2" |
| * | 212NL-F7F7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

OTHERS OPTIONS AVAILABLE

- *Campak Connection x Meter Connection
- *Copper Flare X FIP
- *Copper Flare X Meter Connection
- *FIP X Meter Connection
- *Grip Joint X FIP
- *Grip Joint X Meter Connection
- *CB Compression X Meter Connection
- *C903 X FIP
- *C903 X Meter Connection
- *PVC Campak x Meter Swivel Nut

CALL YOUR JABO CUSTOMER SERVICE REPRESENTATIVE FOR MORE INFORMATION

VISIT CAMBRIDGE BRASS WEBSITE www.cambridgebrass.com

METER VALVES

214NL- BALL STYLE ANGLE VALVE- REDUCED PORT

Rated for 300 PSIG- 5/8", 5/8"x 3/4", 3/4", 1", 1-1/2" or 2" Meters

Ball style angle meter valves are designed for low turning torques and high pressures (300PSI). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble tight feature at 300 PSI makes these valves a better choice than a plug valve when test or operating pressures over 100 PSI are expected.

All Cambridge Brass Ball Angle Meter Valves are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. Meter swivel nuts are less saddle, have internal threads per AWWA C700 specifications & include a hole for a wire seal, unless otherwise specified. EPDM Gaskets are supplied as standard.

CTS X FIP

CAMPACK CTS X FIP



| Jabo # | MFG # | Inlet | Outlet |
|--------|------------|-------|--------|
| * | 214NL-B3F3 | 3/4" | 3/4" |
| * | 214NL-B4F3 | 1" | 3/4" |
| * | 214NL-B4F4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

CTS X FIP

CB CTS COMPRESSION X FIP



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|-------|--------|
| 031-14796 | 214NL-H3F3 | 3/4" | 3/4" |
| * | 214NL-H4F3 | 1" | 3/4" |
| * | 214NL-H4F4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

CTS X FIP

GRIP CTS COMPRESSION X FIP



| Jabo # | MFG # | Inlet | Outlet |
|--------|-------------|-------|--------|
| * | 214NL-GJ3F3 | 3/4" | 3/4" |
| * | 214NL-GJ1F3 | 1" | 3/4" |
| * | 214NL-GJ1F4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY


METER VALVES

214NL- BALL STYLE ANGLE VALVE- REDUCED PORT
 Rated for 300 PSIG- 5/8", 5/8"x 3/4", 3/4", 1", 1-1/2" or 2" Meters

CTS x METER NUT

Campak x METER NUT

Includes: lockwing for locking in close position


|  | | PICTURE SHOWN WITH CB NUT | |
|---|------------|----------------------------------|--------|
| Jabo # | MFG # | Inlet | Outlet |
| 031-14739 | 214NL-B3T1 | 3/4" | 5/8" |
| 031-14740 | 214NL-B3T3 | 3/4" | 3/4" |

*NON STOCK CALL JABO SUPPLY

CTS x METER NUT

CB CTS COMPRESSION x METER NUT

Includes: lockwing for locking in close position


|  | | | |
|--|------------|-------|--------|
| Jabo # | MFG # | Inlet | Outlet |
| * | 214NL-H3T1 | 3/4" | 5/8" |
| * | 214NL-H3T3 | 3/4" | 3/4" |

*NON STOCK CALL JABO SUPPLY

CTS x METER NUT

GRIP JOINT CTS COMPRESSION x METER NUT

Includes: lockwing for locking in close position


|  | | PICTURE SHOWN WITH CB NUT | |
|---|-------------|----------------------------------|--------|
| Jabo # | MFG # | Inlet | Outlet |
| * | 214NL-GJ3T1 | 3/4" | 5/8" |
| * | 214NL-GJ3T3 | 3/4" | 3/4" |

*NON STOCK CALL JABO SUPPLY

FIP X METER NUT

FIP X METER NUT

Includes: lockwing for locking in close position

|  | | | |
|--|------------|-------|--------|
| Jabo # | MFG # | Inlet | Outlet |
| 031-14764 | 214NL-F3T1 | 3/4" | 5/8" |
| 031-14772 | 214NL-F3T3 | 3/4" | 3/4" |
| 031-14784 | 214NL-F4T4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

OTHERS OPTIONS AVAILABLE

- Copper Flare x FIP
- Copper Flare x Meter Nut
- FIP x FIP

CALL YOUR JABO CUSTOMER SERVICE REPRESENTATIVE FOR MORE INFORMATION

VISIT CAMBRIDGE BRASS WEBSITE www.cambridgebrass.com

METER VALVES

224NL- BALL STYLE ANGLE VALVE- REDUCED PORT


Rated for 300 PSIG- 5/8", 5/8"x 3/4", 3/4", 1", 1-1/2" or 2" Meters

Ball style angle meter valves are designed for low turning torques and high pressures (300PSI). The no-lead brass ball is supported by two PTFE ball seats. Additionally there are two Buna-N o-rings on the Stainless-Steel blow-out proof stem designed to isolate from line pressure. The end piece joint is permanently sealed with thread locker. The bubble tight feature at 300 PSI makes these valves a better choice than a plug valve when test or operating pressures over 100 PSI are expected. All Cambridge Brass Ball Straight Meter Valves are available with a wide variety of end connections and are manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. Meter swivel nuts are less saddle, have internal threads per AWWA C700 specifications & include a hole for a wire seal, unless otherwise specified. EPDM Gaskets are supplied as standard.

CTS X CTS

Campak x Campak

Includes: lockwing for locking in close position


| | | | |
|--|------------|---|------|
|  | | <p>PICTURE SHOWN WITH CB NUT</p> | |
| | | | |
| 031-14820 | 224NL-B3B3 | 3/4" | 3/4" |

*NON STOCK CALL JABO SUPPLY

CTS X CTS

Grip Joint x Grip Joint

Includes: lockwing for locking in close position


| | | | |
|---|--------------|---|------|
|  | | <p>PICTURE SHOWN WITH CB NUT</p> | |
| | | | |
| 031-14976 | 224NL-GJ3GJ3 | 3/4" | 3/4" |

*NON STOCK CALL JABO SUPPLY

CTS X CTS

CB X CB COMPRESSION

Includes: lockwing for locking in close position

| | | | |
|---|------------|---|------|
|  | | <p>PICTURE SHOWN WITH CB NUT</p> | |
| | | | |
| 031-14988 | 224NL-H3H3 | 3/4" | 3/4" |

*NON STOCK CALL JABO SUPPLY

METER VALVES

224NL- BALL STYLE ANGLE VALVE- REDUCED PORT
 Rated for 300 PSIG- 5/8", 5/8"x 3/4", 3/4", 1", 1-1/2" or 2" Meters

CTS X FIP

CAMPAK CTS X FIP

Includes: lockwing for locking in close position



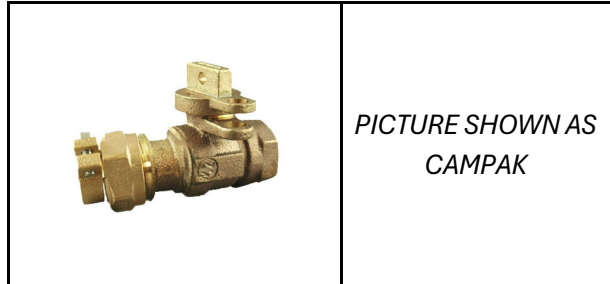
| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|-------|--------|
| 031-14828 | 224NL-B3F3 | 3/4" | 3/4" |
| * | 224NL-B4F4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

CTS X FIP

GRIP JOINT CTS X FIP

Includes: lockwing for locking in close position



| Jabo # | MFG # | Inlet | Outlet |
|-----------|-------------|-------|--------|
| 031-14972 | 224NL-GJ3F3 | 3/4" | 3/4" |
| * | 224NL-G4F4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

CTS X FIP

CB Compression X FIP

Includes: lockwing for locking in close position



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|-------|--------|
| 031-14984 | 224NL-H3F3 | 3/4" | 3/4" |
| 031-15000 | 224NL-H4F4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

FIP X FIP

FIP X FIP

Includes: lockwing for locking in close position

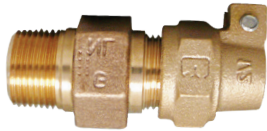
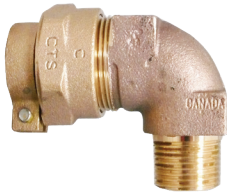


| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|-------|--------|
| * | 224NL-F1F1 | 1/2" | 1/2" |
| 031-14916 | 224NL-F3F3 | 3/4" | 3/4" |
| 031-14968 | 224NL-F4F4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

2/19/25

CAMBRIDGE BRASS TM **INC**



SERVICE LINE FITTINGS

ELBOWS



SERVICE LINE FITTINGS

105NL ELBOWS
RATED 300 PSI

CTS COMPRESSION X CTS COMPRESSION

CTS CAMPAK X CAMPAK



| JABO# | INLET | OUTLET |
|-----------------------------|--------|--------|
| 031-10016 | 3/4" | 3/4" |
| 031-10028 | 1" | 1" |
| 031-10040 | 1-1/2" | 1-1/2" |
| 031-10048 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS GRIP JOINT X CTS GRIP JOINT



| JABO# | INLET | OUTLET |
|-----------------------------|-------|--------|
| 031-10120 | 3/4" | 3/4" |
| 031-10128 | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS CB COMPRESSION X CB COMPRESSION



| JABO# | INLET | OUTLET |
|-----------------------------|--------|--------|
| * | 5/8" | 3/4" |
| 031-10144 | 3/4" | 3/4" |
| 031-10156 | 1" | 1" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS COMPRESSION X FIP

CTS CAMPAK X FIP



| JABO# | INLET | OUTLET |
|-----------------------------|--------|--------|
| 031-10020 | 3/4" | 3/4" |
| 031-10032 | 1" | 1" |
| * | 1-1/2" | 1-1/2" |
| 031-10052 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS GRIP JOINT X FIP



| JABO# | INLET | OUTLET |
|-----------------------------|-------|--------|
| 031-10116 | 3/4" | 3/4" |
| * | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS CB COMPRESSION X FIP



| JABO# | INLET | OUTLET |
|-----------------------------|--------|--------|
| 031-10140 | 3/4" | 3/4" |
| 031-10152 | 1" | 1" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

SERVICE LINE FITTINGS

105NL ELBOWS
RATED 300 PSI

CTS COMPRESSION X MIP

CTS CAMPAK X MIP



| JABO# | INLET | OUTLET |
|-----------------------------|--------|--------|
| 031-10024 | 3/4" | 3/4" |
| 031-10036 | 1" | 1" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS GRIP JOINT X MIP



| JABO# | INLET | OUTLET |
|-----------------------------|-------|--------|
| 031-10124 | 3/4" | 3/4" |
| 031-10132 | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS CB COMPRESSION X MIP



| JABO# | INLET | OUTLET |
|-----------------------------|--------|--------|
| 031-10148 | 3/4" | 3/4" |
| 031-10160 | 1" | 1" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

SIDR 7 IPS X SIDR 7 IPS

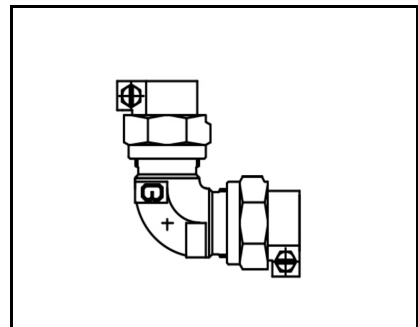
PEP SIDR 7 X PEP SIDR 7



| JABO# | INLET | OUTLET |
|-----------|-------|--------|
| 031-10309 | 3/4" | 3/4" |
| 031-10310 | 1" | 1" |
| AY ELBOWS | | |

PVC IPS X PVC IPS

PVC X PVC



| JABO# | INLET | OUTLET |
|-----------------------------|-------|--------|
| 031-10244 | 3/4" | 3/4" |
| 031-10252 | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

SERVICE LINE FITTINGS

105NL ELBOWS
RATED 300 PSI

COPPER FLARE

COPPER FLARE X COPPER FLARE



| JABO# | INLET | OUTLET |
|-----------------------------|--------|--------|
| 031-10064 | 3/4" | 3/4" |
| * | 1" | 1" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

COPPER FLARE X FIP



| JABO# | INLET | OUTLET |
|-----------------------------|-------|--------|
| * | 3/4" | 3/4" |
| * | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

COPPER FLARE X MIP



| JABO# | INLET | OUTLET |
|-----------------------------|--------|--------|
| * | 3/4" | 3/4" |
| * | 1" | 1" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

HAYSTITE

ms are non stock and available upon request

ADAPTERS



SERVICE LINE FITTINGS

117NL ADAPTERS
RATED 300 PSI

CTS COMPRESSION X FIP

CTS CAMPAK X FIP



B X F

| JABO# | INLET | OUTLET |
|-----------------------------|--------|--------|
| 031-10384 | 1/2" | 1/2" |
| * | 1/2" | 3/4" |
| * | 5/8" | 3/4" |
| 031-10416 | 3/4" | 1/2" |
| 031-10420 | 3/4" | 3/4" |
| 031-10424 | 3/4" | 1" |
| 031-10448 | 1" | 3/4" |
| 031-10452 | 1" | 1" |
| * | 1-1/4" | 1" |
| 031-10488 | 1-1/4" | 1-1/4" |
| 031-10504 | 1-1/2" | 1-1/2" |
| 031-10512 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS GRIP JOINT X FIP



G J X F

| JABO# | INLET | OUTLET |
|-----------------------------|-------|--------|
| * | 3/4" | 1/2" |
| 031-10684 | 3/4" | 3/4" |
| 031-10688 | 3/4" | 1" |
| * | 1" | 3/4" |
| 031-10712 | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS CB COMPRESSION X FIP



H X F

| JABO# | INLET | OUTLET |
|-----------------------------|--------|--------|
| * | 1/2" | 1/2" |
| * | 1/2" | 3/4" |
| * | 5/8" | 3/4" |
| 031-10764 | 3/4" | 1/2" |
| 031-10768 | 3/4" | 3/4" |
| 031-10776 | 3/4" | 1" |
| 031-10820 | 1" | 3/4" |
| 031-10824 | 1" | 1" |
| * | 1-1/4" | 1" |
| * | 1-1/4" | 1-1/4" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

SERVICE LINE FITTINGS

117NL ADAPTERS
RATED 300 PSI

CTS COMPRESSION X MIP

CTS CAMPAK X MIP



| BXM | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| 031-10392 | 1/2" | 1/2" |
| * | 1/2" | 3/4" |
| * | 5/8" | 3/4" |
| * | 3/4" | 1/2" |
| 031-10432 | 3/4" | 3/4" |
| 031-10436 | 3/4" | 1" |
| 031-10460 | 1" | 3/4" |
| 031-10464 | 1" | 1" |
| * | 1-1/4" | 1" |
| 031-10496 | 1-1/4" | 1-1/4" |
| 031-10504 | 1-1/2" | 1-1/2" |
| 031-10516 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS GRIP JOINT X MIP



| GJXM | | |
|-----------------------------|-------|--------|
| JABO# | INLET | OUTLET |
| * | 3/4" | 1/2" |
| 031-10696 | 3/4" | 3/4" |
| 031-10700 | 3/4" | 1" |
| 031-10716 | 1" | 3/4" |
| 031-10720 | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS CB COMPRESSION X MIP



| HXM | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| * | 1/2" | 1/2" |
| * | 1/2" | 3/4" |
| * | 5/8" | 1/2" |
| * | 5/8" | 3/4" |
| 031-10780 | 3/4" | 1/2" |
| 031-10784 | 3/4" | 3/4" |
| 031-10792 | 3/4" | 1" |
| 031-10832 | 1" | 3/4" |
| 031-10840 | 1" | 1" |
| * | 1-1/4" | 1" |
| * | 1-1/4" | 1-1/4" |
| * | 1-1/2" | 1" |
| * | 1-1/2" | 1-1/4" |
| * | 1-1/2" | 1-1/2" |
| 031-10912 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

SERVICE LINE FITTINGS

117NL ADAPTERS
RATED 300 PSI

CTS X COPPER FLARE

**CTS CAMPAK X FEMALE
COPPER FLARE THREAD
ADAPTERS- COPPER WASHER
INCLUDED**



| B X P | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| * | 5/8" | 5/8" |
| * | 3/4" | 5/8" |
| 031-10444 | 3/4" | 3/4" |
| 031-10476 | 1" | 1" |
| * | 1" | 1-1/4" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

**CTS GRIP JOINT X FEMALE
COPPER FLARE THREAD
ADAPTERS- COPPER WASHER
INCLUDED**



| G J X P | | |
|-----------------------------|-------|--------|
| JABO# | INLET | OUTLET |
| * | 3/4" | 3/4" |
| * | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

**CTS CB COMPRESSION X COPPER
FEMALE COPPER THREADED ADAPTER
COPPER WASHER INCLUDED**



| H X P | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| * | 1/2" | 1/2" |
| * | 5/8" | 5/8" |
| * | 3/4" | 5/8" |
| 031-10808 | 3/4" | 3/4" |
| | 3/4" | 1" |
| | 1" | 3/4" |
| 031-10856 | 1" | 1" |
| | 1-1/2" | 1-1/2" |
| | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

SERVICE LINE FITTINGS

117NL ADAPTERS

RATED 300 PSI

COPPER FLARE X

COPPER FLARE X FIP



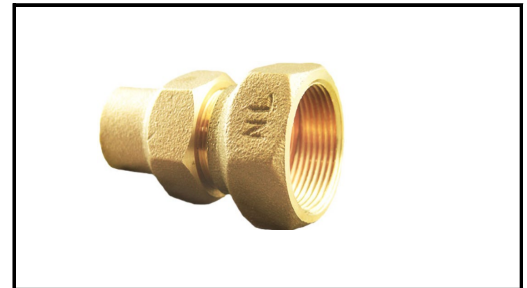
| CXF | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| * | 1/2" | 1/2" |
| * | 1/2" | 3/4" |
| * | 5/8" | 3/4" |
| 031-10560 | 3/4" | 3/4" |
| * | 3/4" | 1" |
| * | 1" | 3/4" |
| * | 1" | 1" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

COPPER FLARE X MIP



| CXM | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| * | 1/2" | 1/2" |
| * | 1/2" | 3/4" |
| * | 5/8" | 1/2" |
| * | 5/8" | 3/4" |
| * | 3/4" | 1/2" |
| 031-10580 | 3/4" | 3/4" |
| * | 3/4" | 1" |
| * | 1" | 3/4" |
| * | 1" | 1" |
| * | 1-1/4" | 1-1/4" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

COPPER FLARE X FEMALE COPPER FLARE ADAPTERS COPPER WASHER INCLUDED



| CXP | | |
|-----------------------------|-------|--------|
| JABO# | INLET | OUTLET |
| * | 1/2" | 3/4" |
| * | 3/1" | 1" |
| * | 1" | 3/4" |
| *NON STOCK CALL JABO SUPPLY | | |

SERVICE LINE FITTINGS

117NL ADAPTERS
RATED 300 PSI

PEP SIDR 7 X

PEP SIDR 7 X FIP



| PEX F | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| 031-11096 | 3/4" | 3/4" |
| 031-11100 | 3/4" | 1" |
| * | 1" | 3/4" |
| 031-11124 | 1" | 1" |
| * | 1" | 1-1/4" |
| 031-11140 | 1-1/4" | 1-1/4" |
| * | 1-1/2" | 1" |
| * | 1-1/2" | 1-1/2" |
| 031-11168 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

PEP SIDR 7 X MIP



| PEX M | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| 031-11104 | 3/4" | 3/4" |
| 031-11108 | 3/4" | 1" |
| 031-11132 | 1" | 3/4" |
| 031-11136 | 1" | 1" |
| 031-11144 | 1-1/4" | 1-1/4" |
| 031-11156 | 1-1/2" | 1" |
| 031-11160 | 1-1/2" | 1-1/2" |
| 031-11172 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

PEP SIDR 7 X BRITISH STD X MIP



| PE X BSTM | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| | 5/8" | 5/8" |
| | 3/4" | 5/8" |
| 031-11092 | 3/4" | 3/4" |
| | 1" | 1" |
| | 1" | 1-1/4" |
| | 1-1/2" | 1-1/2" |
| | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

PEP SIDR 7 X FEMALE FLARE



| PEX C | | |
|-------------|-------|--------|
| JABO# | INLET | OUTLET |
| 031-50010 | 3/4" | 3/4" |
| AY Material | | |

SERVICE LINE FITTINGS

117NL ADAPTERS
RATED 300 PSI

PVC X

PVC COMPRESSION (IPS) X FIP



| JABO# | INLET | OUTLET |
|-----------------------------|--------|--------|
| 031-11180 | 3/4" | 3/4" |
| 031-11184 | 3/4" | 1" |
| * | 1" | 3/4" |
| 031-11208 | 1" | 1" |
| * | 1" | 1-1/4" |
| * | 1-1/2" | 1" |
| 031-11236 | 1-1/2" | 1-1/2" |
| 031-11248 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

PVC COMPRESSION (IPS) X MIP



| JABO# | INLET | OUTLET |
|-----------------------------|--------|--------|
| 031-11188 | 3/4" | 3/4" |
| 031-11204 | 3/4" | 1" |
| 031-11216 | 1" | 3/4" |
| 031-11220 | 1" | 1" |
| 031-11228 | 1-1/4" | 1-1/4" |
| * | 1-1/2" | 1" |
| 031-11244 | 1-1/2" | 1-1/2" |
| 031-11252 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

SERVICE LINE FITTINGS

117NL ADAPTERS
RATED 300 PSI

IP (GALVANIZED) X

IP (GALVANIZED PIPE) X FIP



| IP X F | | |
|-----------|-------|--------|
| JABO# | INLET | OUTLET |
| * | 5/8" | 1/2" |
| 031-10948 | 3/4" | 3/4" |
| 031-10964 | 1" | 3/4" |
| 031-10968 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

IP (GALVANIZED PIPE) X MIP



| IP X M | | |
|-----------|-------|--------|
| JABO# | INLET | OUTLET |
| * | 1/2" | 1/2" |
| 031-10952 | 3/4" | 3/4" |
| 031-10956 | 3/4" | 1" |
| 031-10972 | 1" | 3/4" |
| 031-10976 | 1" | 1" |
| * | 1" | 1-1/4" |

*NON STOCK CALL JABO SUPPLY

SERVICE LINE FITTINGS

117NL ADAPTERS

RATED 300 PSI

WIDE RANGE

RANGER X FIP



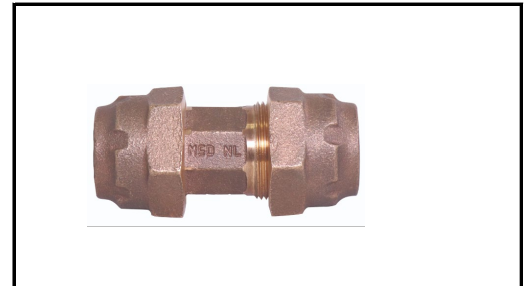
| EX F | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| 031-10636 | 3/4" | 3/4" |
| * | 3/4" | 1" |
| * | 1" | 3/4" |
| 031-10644 | 1" | 1" |
| 031-10650 | 1-1/4" | 1-1/4" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

RANGER X MIP



| EX M | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| 031-10640 | 3/4" | 3/4" |
| * | 3/4" | 1" |
| * | 1" | 3/4" |
| 031-10648 | 1" | 1" |
| 031-10649 | 1-1/4" | 1-1/4" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

RANGER X RANGER



| EX E | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| 031-11908 | 3/4" | 3/4" |
| 031-11912 | 3/4" | 1" |
| 031-11916 | 1" | 1" |
| * | 1-1/4" | 1-1/4" |
| 031-11918 | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CAMBRIDGE X FIP



| UX F | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| * | 5/8" | 3/4" |
| 031-11328 | 3/4" | 3/4" |
| 031-11344 | 1" | 1" |
| * | 1-1/4" | 1" |
| * | 1-1/4" | 1-1/2" |
| * | 1-1/2" | 1-1/2" |
| 031-11376 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CAMBRIDGE X MIP



| UX M | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| * | 5/8" | 3/4" |
| 031-11332 | 3/4" | 3/4" |
| 031-11348 | 1" | 1" |
| * | 1-1/4" | 1" |
| * | 1-1/4" | 1-1/2" |
| * | 1-1/2" | 1-1/2" |
| 031-11380 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CAMBRIDGE X CAMBRIDGE



| UX U | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| 031-12260 | 5/8" | 5/8" |
| 031-12264 | 5/8" | 3/4" |
| 031-12268 | 3/4" | 3/4" |
| 031-12272 | 3/4" | 1" |
| 031-12276 | 1" | 1" |
| 031-12280 | 1" | 1-1/4" |
| 031-12284 | 1-1/4" | 1-1/4" |
| 031-12288 | 1-1/4" | 1-1/2" |
| 031-12292 | 1-1/2" | 1-1/2" |
| 031-12296 | 1-1/2" | 2" |
| 031-12300 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

SERVICE LINE FITTINGS

117NL ADAPTERS

RATED 300 PSI

MALE X YOKE STRAIGHT COUPLING



SRX M

| JABO# | INLET | OUTLET |
|-----------------------------|-------|--------|
| 031-11268 | 5/8" | 3/4" |
| * | 3/4" | 3/4" |
| * | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS CAMPAK X YOKE STRAIGHT COUPLING



SRX B

| JABO# | INLET | OUTLET |
|-----------------------------|-------|--------|
| * | 5/8" | 3/4" |
| * | 3/4" | 3/4" |
| 031-11299 | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

COUPLINGS WITH STOPS



SERVICE LINE FITTINGS

118NL COUPLINGS WITH STOPS
RATED 300 PSI

CTS COMPRESSION X CTS COMPRESSION

CTS CAMPAK X CAMPAK



| B X B | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| * | 1/2" | 1/2" |
| * | 5/8" | 1/2" |
| 031-11408 | 3/4" | 1/2" |
| * | 3/4" | 5/8" |
| * | 3/4" | 3/4" |
| * | 1" | 5/8" |
| 031-11428 | 1" | 3/4" |
| * | 1" | 1" |
| * | 1-1/4" | 1" |
| * | 1-1/4" | 1-1/4" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS GRIP JOINT X GRIP JOINT



| GJ X GJ | | |
|-----------------------------|-------|--------|
| JABO# | INLET | OUTLET |
| * | 3/4" | 3/4" |
| * | 1" | 3/4" |
| * | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS COMPRESSION X COPPER FLARE

CTS CB COMPRESSION X COPPER FLARE



| HXC | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| 031-11536 | 3/4" | 3/4" |
| * | 3/4" | 1" |
| 031-11576 | 1" | 1" |
| * | 1-1/4" | 1-1/4" |
| * | 1-1/2" | 1" |
| * | 1-1/2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS CB COMPRESSION X CB COMPRESSION



| HXH | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| 031-11520 | 1/2" | 1/2" |
| * | 5/8" | 1/2" |
| * | 3/4" | 1/2" |
| * | 3/4" | 5/8" |
| 031-11552 | 3/4" | 3/4" |
| * | 1" | 5/8" |
| * | 1" | 3/4" |
| * | 1" | 1" |
| * | 1-1/4" | 1-1/4" |
| * | 1-1/2" | 1" |
| * | 1-1/2" | 1-1/2" |
| 031-12124 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

OTHER COUPLINGS ARE AVAIL WITH STOP

CALL YOUR LOCAL JABO CSR FOR
ADDITIONAL COUPLINGS WITH STOPS

FOR A COMPLETE LISTING VISIT

www.cambridgebrass.com

COUPLINGS WITHOUT STOPS



SERVICE LINE FITTINGS

119NL COUPLINGS WITH OUT STOPS
 RATED 300 PSI

LIKE END CONNECTIONS

CTS COMPRESSION X CTS COMPRESSION

CTS CAMPAK X CAMPAK



| B X B | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| * | 1/2" | 1/2" |
| * | 5/8" | 5/8" |
| 031-11764 | 3/4" | 3/4" |
| 031-11804 | 1" | 3/4" |
| 031-11808 | 1" | 1" |
| * | 1-1/4" | 1" |
| 031-11840 | 1-1/4" | 1-1/4" |
| 031-11844 | 1-1/2" | 1-1/2" |
| 031-11856 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS GRIP JOINT X GRIP JOINT



| GJ X GJ | | |
|-----------------------------|-------|--------|
| JABO# | INLET | OUTLET |
| 031-11920 | 3/4" | 3/4" |
| 031-11940 | 1" | 3/4" |
| 031-11944 | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS CB COMPRESSION X CB COMPRESSION



| H X H | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| * | 1/2" | 1/2" |
| * | 5/8" | 5/8" |
| 031-11980 | 3/4" | 3/4" |
| * | 3/4" | 1-1/4" |
| * | 1" | 1/2" |
| 031-12040 | 1" | 3/4" |
| 031-12044 | 1" | 1" |
| * | 1-1/4" | 1" |
| * | 1-1/4" | 1-1/4" |
| * | 1-1/2" | 1-1/2" |
| * | 1-1/2" | 2" |
| 031-12124 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

SERVICE LINE FITTINGS

119NL COUPLINGS WITH OUT STOPS
 RATED 300 PSI

LIKE END CONNECTIONS

PEP SIDR 7

PEP SIDR 7 X PEP SIDR 7



PE X PE

| JABO# | INLET | OUTLET |
|-----------|--------|--------|
| 031-12172 | 3/4" | 3/4" |
| 031-12176 | 3/4" | 1" |
| 031-12196 | 1" | 1" |
| 031-12204 | 1-1/4" | 1-1/4" |
| 031-12208 | 1-1/2" | 1-1/2" |
| 031-12212 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

PVC COMPRESSION (IPS)

PVC X PVC



PJ X PJ

| JABO# | INLET | OUTLET |
|-----------|--------|--------|
| 031-12228 | 3/4" | 3/4" |
| * | 3/4" | 1" |
| 031-12244 | 1" | 1" |
| 031-12248 | 1-1/4" | 1-1/4" |
| 031-12252 | 1-1/2" | 1-1/2" |
| 031-12256 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

IP (GALVANIZED) PIPE

IP (GALVANIZED) PIPE



IP X IP

| JABO# | INLET | OUTLET |
|-------|-------|--------|
| * | 1/2" | 1/2" |
| * | 3/4" | 3/4" |
| * | 1" | 3/4" |
| * | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

OTHER FITTINGS AVAIL UPON REQUEST

SERVICE LINE FITTINGS

119NL COUPLINGS WITH OUT STOPS
 RATED 300 PSI

DIFFERENT END CONNECTIONS

CTS COMPRESSION X

CTS X PEP SIDR 7 (IPS)

CTS CAMPAK X PEP SIDR 7



| B X PE | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| 031-11780 | 3/4" | 3/4" |
| 031-11784 | 3/4" | 1" |
| 031-11820 | 1" | 3/4" |
| 031-11824 | 1" | 1" |
| * | 1-1/2" | 1-1/2" |
| 031-11860 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS CB COMPRESSION X PEP SIDR 7



| H X PE | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| 031-12012 | 3/4" | 3/4" |
| 031-12016 | 3/4" | 1" |
| 031-12068 | 1" | 3/4" |
| 031-12072 | 1" | 1" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS X PVC (IPS)

CTS CAMPAK X PVC COMPRESSION (IPS)



| B X PJ | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| 031-11788 | 3/4" | 3/4" |
| 031-11792 | 3/4" | 1" |
| 031-11828 | 1" | 3/4" |
| 031-11832 | 1" | 1" |
| * | 1-1/2" | 1-1/2" |
| 031-11864 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS CB COMPRESSION X PVC COMPRESSION (IPS)



| H X PJ | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| 031-12020 | 3/4" | 3/4" |
| 031-12024 | 3/4" | 1" |
| 031-12076 | 1" | 3/4" |
| 031-12080 | 1" | 1" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

SERVICE LINE FITTINGS

119NL COUPLINGS WITH OUT STOPS
 RATED 300 PSI

DIFFERENT END CONNECTIONS

CTS X IP (GALVANIZED IPS) PIPE

**CTS CAMPAK X IP
 (GALVANIZED) PIPE**



| B X IP | | |
|-----------------------------|-------|--------|
| JABO# | INLET | OUTLET |
| * | 1/2" | 1/2" |
| * | 3/4" | 1/2" |
| 031-11772 | 3/4" | 3/4" |
| 031-11776 | 3/4" | 1" |
| 031-11812 | 1" | 3/4" |
| 031-11816 | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

**CTS GRIP JOINT X IP
 (GALVANIZED) PIPE**



| GJ X IP | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| * | 3/4" | 3/4" |
| * | 3/4" | 1" |
| * | 1" | 3/4" |
| * | 1" | 1" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

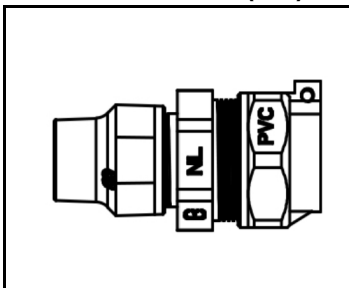
**CTS CB COMPRESSION X IP
 (GALVANIZED) PIPE**



| H X IP | | |
|-----------------------------|-------|--------|
| JABO# | INLET | OUTLET |
| * | 1/2" | 1/2" |
| * | 3/4" | 1/2" |
| 031-12000 | 3/4" | 3/4" |
| 031-12004 | 3/4" | 1" |
| 031-12060 | 1" | 3/4" |
| 031-12064 | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

**COPPER FLARE X PVC
 (IPS)**

**COPPER FLARE X PVC
 COMPRESSION (IPS)**



| C X PJ | | |
|-----------------------------|--------|--------|
| JABO# | INLET | OUTLET |
| * | 1" | 1" |
| * | 1" | 1-1/2" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

PEP SIDR 7 X PVC (IPS)

**PEP SIDR 7 X PVC
 COMPRESSION (IPS)**



| PE X PJ | | |
|-----------------------------|-------|--------|
| JABO# | INLET | OUTLET |
| * | 1/2" | 1/2" |
| * | 3/4" | 1/2" |
| * | 3/4" | 3/4" |
| * | 3/4" | 1" |
| * | 1" | 3/4" |
| * | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

PEP SIDR 7 X IP

**(GALVANIZED) PIPE
 PEP SIDR 7 X IP (GALVANIZED)
 PIPE**



| PE X IP | | |
|-----------------------------|-------|--------|
| JABO# | INLET | OUTLET |
| * | 3/4" | 3/4" |
| * | 3/4" | 1" |
| * | 1" | 3/4" |
| * | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

SERVICE LINE FITTINGS

119NL COUPLINGS WITH OUT STOPS
RATED 300 PSI

WIDE RANGE COUPLINGS

RANGER X RANGER

Size on Size



EXE

| JABO# | INLET | OUTLET |
|-----------------------------|--------|--------|
| 031-11908 | 3/4" | 3/4" |
| 031-11912 | 3/4" | 1" |
| 031-11916 | 1" | 1" |
| * | 1-1/4" | 1-1/4" |
| 031-11918 | 1-1/2" | 1-1/2" |
| * | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CAMBRIDGE X CAMBRIDGE

1/4" Differential on each side



UXU

| JABO# | INLET | OUTLET |
|-----------------------------|--------|--------|
| 031-12260 | 5/8" | 5/8" |
| 031-12264 | 5/8" | 3/4" |
| 031-12268 | 3/4" | 3/4" |
| 031-12272 | 3/4" | 1" |
| 031-12276 | 1" | 1" |
| 031-12280 | 1" | 1-1/4" |
| 031-12284 | 1-1/4" | 1-1/4" |
| 031-12288 | 1-1/4" | 1-1/2" |
| 031-12292 | 1-1/2" | 1-1/2" |
| 031-12296 | 1-1/2" | 2" |
| 031-12300 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

SERVICE TEES



SERVICE LINE FITTINGS

150NL SERVICE TEES

RATED 300 PSI

LIKE END CONNECTIONS

CTS COMPRESSION X CTS COMPRESSION

CTS CAMPAK



B X B

| JABO# | INLET | BRANCH |
|-----------------------------|--------|--------|
| 031-12372 | 3/4" | 3/4" |
| 031-12376 | 3/4" | 1" |
| 031-12378 | 1" | 3/4" |
| 031-12380 | 1" | 1" |
| * | 1-1/2" | 3/4" |
| 031-12384 | 1-1/2" | 1-1/2" |
| 031-12388 | 2" | 3/4" |
| 031-12392 | 2" | 1" |
| 031-12396 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS GRIP JOINT



GJ X GJ

| JABO# | INLET | BRANCH |
|-----------------------------|-------|--------|
| 031-12408 | 3/4" | 3/4" |
| 031-12410 | 3/4" | 1" |
| 031-12411 | 1" | 3/4" |
| 031-12412 | 1" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS CB COMPRESSION



H X H

| JABO# | INLET | BRANCH |
|-----------------------------|--------|--------|
| 031-12416 | 3/4" | 3/4" |
| 031-12420 | 3/4" | 1" |
| 031-12424 | 1" | 3/4" |
| 031-12428 | 1" | 1" |
| * | 1-1/2" | 3/4" |
| * | 1-1/2" | 1-1/2" |
| * | 2" | 3/4" |
| * | 2" | 1" |
| 031-12448 | 2" | 2" |
| *NON STOCK CALL JABO SUPPLY | | |

PEP SIDR 7

PEP SIDR 7 X PEP SIDR 7



PE X PE

| JABO# | INLET | BRANCH |
|-----------------|-------|--------|
| 031-12480 | 3/4" | 3/4" |
| 031-12533 | 1" | 1" |
| 100 AY Material | | |

WYE BRANCHES



SERVICE LINE FITTINGS

152NL SERVICE WYE BRANCHES
RATED 300 PSI

SAME ENDS

CTS COMPRESSION X CTS COMPRESSION

CTS CAMPAK



B X B

| JABO# | INLET | BRANCH |
|-----------------------------|--------|--------|
| 031-12535 | 3/4" | 3/4" |
| 031-12536 | 1" | 3/4" |
| 031-12537 | 1" | 1" |
| * | 1-1/2" | 1" |
| * | 2" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS GRIP JOINT



GJ X GJ

| JABO# | INLET | BRANCH |
|-----------------------------|-------|--------|
| 031-12570 | 1" | 3/4" |
| *NON STOCK CALL JABO SUPPLY | | |

CTS CB COMPRESSION



HX H

| JABO# | INLET | BRANCH |
|-----------------------------|--------|--------|
| 031-12552 | 3/4" | 3/4" |
| 031-12556 | 1" | 3/4" |
| 031-12560 | 1" | 1" |
| * | 1-1/2" | 1" |
| * | 2" | 1" |
| *NON STOCK CALL JABO SUPPLY | | |

NUT ASSEMBLIES & ACCESSORIES



SERVICE LINE FITTINGS

81NL NUT ASSEMBLIES & ACCESSORIES
GASKETS INCLUDED IF A GASKET IS REQUIRED

NUT ASSEMBLIES

CTS CAMPAK NUT & GASKET



B

| JABO# | SIZE |
|-----------------------------|--------|
| * | 1/2" |
| 031-24092 | 5/8" |
| 031-24096 | 3/4" |
| 031-24100 | 1" |
| * | 1-1/4" |
| * | 1-1/2" |
| 031-24112 | 2" |
| *NON STOCK CALL JABO SUPPLY | |

CTS GRIP JOINT NUT & GASKET



GJ

| JABO# | SIZE |
|-----------------------------|------|
| 031-24152 | 3/4" |
| 031-24156 | 1" |
| *NON STOCK CALL JABO SUPPLY | |

CTS CB COMPRESSION NUT & GASKET



H

| JABO# | SIZE |
|-----------------------------|--------|
| * | 1/2" |
| * | 5/8" |
| 031-24172 | 3/4" |
| 031-24176 | 1" |
| * | 1-1/4" |
| * | 1-1/2" |
| * | 2" |
| *NON STOCK CALL JABO SUPPLY | |

PEP SIDR 7 NUT & GASKET



PE

| JABO# | SIZE |
|-----------------------------|--------|
| 031-24244 | 3/4" |
| * | 1" |
| * | 1-1/4" |
| * | 1-1/2" |
| * | 2" |
| *NON STOCK CALL JABO SUPPLY | |

DUAL PURPOSE



D

| JABO# | SIZE |
|-----------------------------|------|
| 031-25812 | 3/4" |
| 031-25816 | 1" |
| *NON STOCK CALL JABO SUPPLY | |

IP (GALVANIZED) PIPE NUT & GASKET



IP

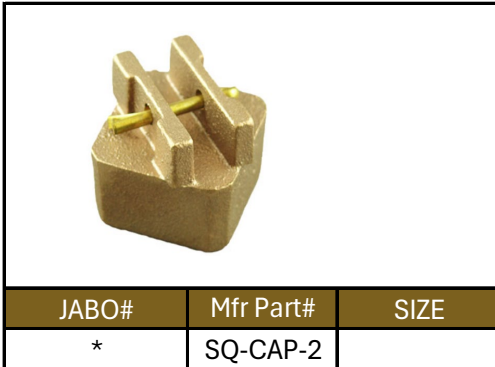
| JABO# | SIZE |
|-----------------------------|------|
| * | 1/2" |
| * | 3/4" |
| * | 1" |
| *NON STOCK CALL JABO SUPPLY | |

SERVICE LINE FITTINGS

81NL NUT ASSEMBLIES & ACCESSORIES
GASKETS INCLUDED IF A GASKET IS REQUIRED

ACCESSORIES

2" SQUARE OPERATING NUT



HANDLES



HANDLES - SPECIAL 1-1/2" & 2" (Factory Assembled)



OTHER NUT ASSEMBLIES AVAIL (NON STOCK)

- *Copper Flare Nut with Electrical Connection
- *Copper Flare Nut
- *CB Compression Nut & Gasket Electrical
- *Haystite Nut & Gasket
- *C903 Nut & Insert

- *C903 Nut & Insert Electrical
- *C903 Gasket Kit
- *PVC IPS Nut & Gasket
- *Copper Flare Insert

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STIFFENERS



SERVICE LINE FITTINGS

STIFFENERS

ARE REQUIRED FOR ALL CONNECTIONS USING PLASTIC FLEXIBLE PIPE

Series 86 CTS SDR 9



Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"
POLYETHYLENE - ASTM D2737
SDR 9 - TUBE SIZE
PEX TUBING - ASTM F876 -
SDR 9 - CSA B137.5
POLYBUTYLENE - ASTM D2666
SDR 9 - TUBE SIZE - CLASS 250

Series 87 PE SIDR 7



Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"
POLYBUTYLENE -
ASTM D2662 SIDR 7 - or
POLYETHYLENE - ASTM
D2239
SIDR 7 & 9 - PIPE SIZE

Series 89 IPS SDR 11



Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"
POLYETHYLENE - ASTM
D3035
SDR 11 - OD
CONTROLLED
PIPE SIZE

Series 88 IPS SDR 9



Sizes: 3/4", 1", 1 1/4", 1 1/2", 2"
POLYETHYLENE - ASTM
D3035
SDR 9 - OD
CONTROLLED
PIPE SIZE

Series 84 SDR 17



Sizes: 3/4", 1"
POLYETHYLENE - ASTM
D3035
SDR 17 - OD
CONTROLLED
PIPE SIZE

SERVICE LINE FITTINGS

STIFFENERS

REQUIRED FOR ALL CONNECTIONS USING PLASTIC FLEXIBLE PIPE

CTS SIZE PLASTIC PIPE SDR-9



SERIES 86

| JABO# | SIZE |
|-----------------------------|--------|
| 031-29112 | 3/4" |
| 031-29120 | 1" |
| 031-29128 | 1-1/4" |
| 031-29132 | 1-1/2" |
| 031-29136 | 2" |
| *NON STOCK CALL JABO SUPPLY | |

PEP SIZE PLASTIC PIPE SDR 7 ONLY (IPS)



SERIES 87

| JABO# | SIZE |
|-----------------------------|--------|
| 031-29144 | 3/4" |
| 031-29148 | 1" |
| 031-29152 | 1-1/4" |
| 031-29156 | 1-1/2" |
| 031-29160 | 2" |
| *NON STOCK CALL JABO SUPPLY | |

IPS SIZE PLASTIC PIPE SDR-11



SERIES 89

| JABO# | SIZE |
|-----------------------------|--------|
| * | 1-1/4" |
| 031-29188 | 1-1/2" |
| 031-29192 | 2" |
| *NON STOCK CALL JABO SUPPLY | |

OTHER STIFFENERS AVAILABLE UPON REQUEST

SERIES 84 IPS Size Plastic Pipe SDR-17

SERIES 88 IPS Size Plastic Pipe SDR-9

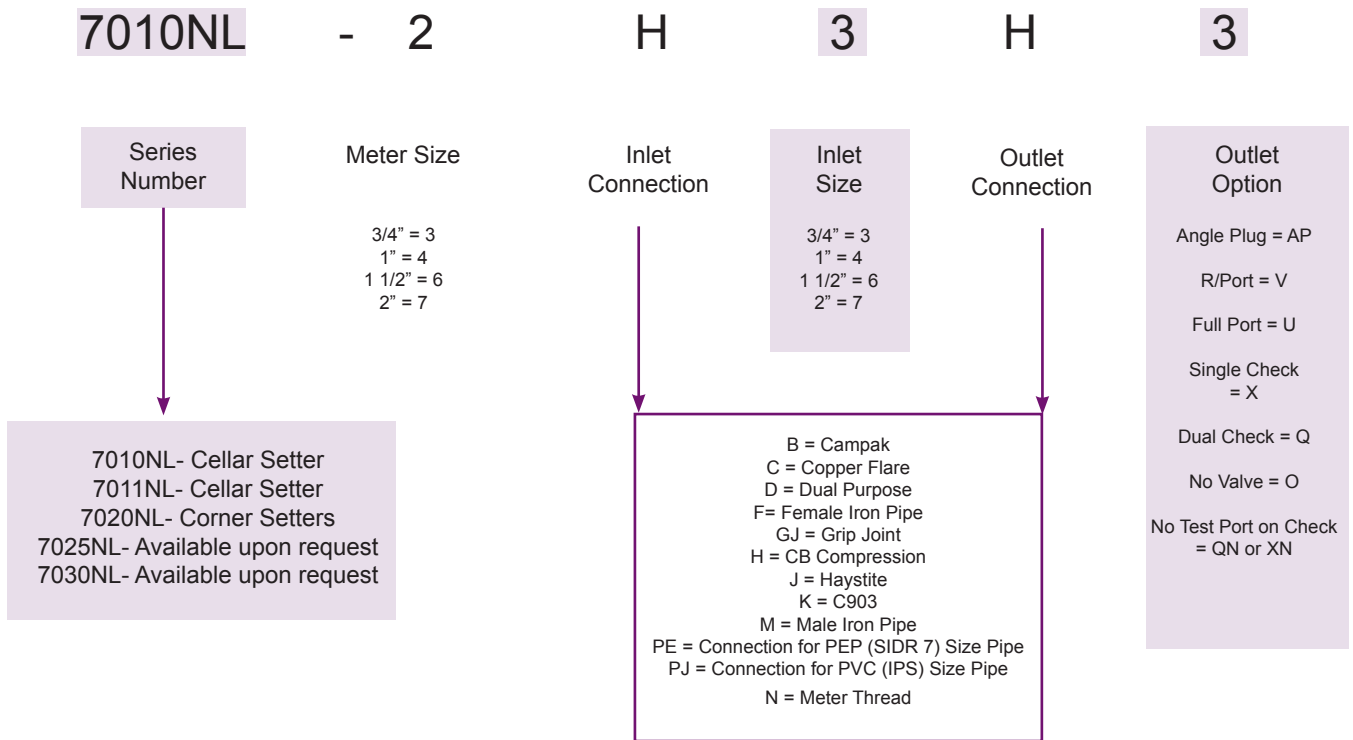
www.cambridgebrass.com

CAMBRIDGE BRASS TM **INC**




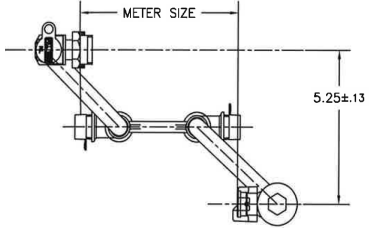
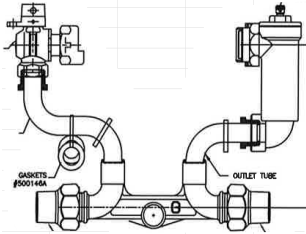


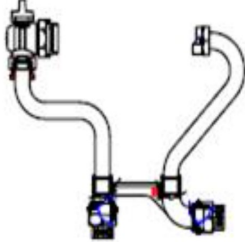

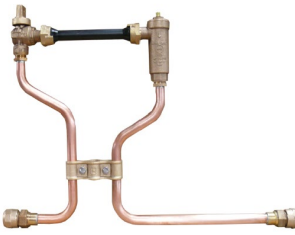



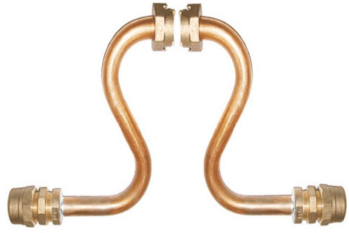



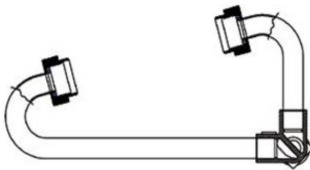
METER SETTERS

Cambridge Brass Meter Setter Part Numbering



METER SETTERS

PICTURES OF ALL CAMBRIDGE METER SETTERS MODEL NUMBERS

| 10 STEP PROCESS TO BUILD A SETTER | JABO SUPPLY | 6010 | 6020 Tandem Setters |
|--|---|--|---|
| BUILDING YOUR SETTING | FULL MODEL NUMBER AND DESCRIPTION LOCATED ON THE FOLLOWING PAGE |  |  |
| 6011 | 6013 | 6020 |  |
|  | NO PICTURE AVAILABLE |  | |
| 6022 | 6030 | 6031 | 6032 |
|  |  |  |  |
| 6034 | 6035 | 6040 | 6050 |
| NO PICTURE AVAILABLE |  |  |  |
| 6060 | 6065 | 7010 | 7020 |
|  |  |  |  |

METER SETTERS

DESCRIPTION OF EACH MODEL NUMBER

6011NL-LOW RISE RESETTER

6013NL-LOW RISE RESETTER (45 DEGREE ANGEL

6020LN-METER SETTER (HORIZONTAL INLET & OUTLET

6022NL-METER SETTER (VERTICAL INLET AND HORIZONTAL OUTLET

6030NL-STRAIGHT LINE SETTER (HORIZONTAL INLET & OUTLET)

6031NL-STRAIGHT LINE SETTER (HORIZONTAL INLET & OUTLET WITH 15" LEG EXTENSION;

6032NL-STRAIGHT LINE SETTER (HORIZONTAL INLET & OUTLET WITH 18" LEG EXTENSION;

6034NL-STRAIGHT LINE SETTER (VERTICAL INLET & OUTLET)

6035NL-STRAIGHT LINE SETTER (HORIZONTAL INLET & VERTICAL OUTLET)

6040NL-METER SETTER (VERTICAL INLET AND OUTLET

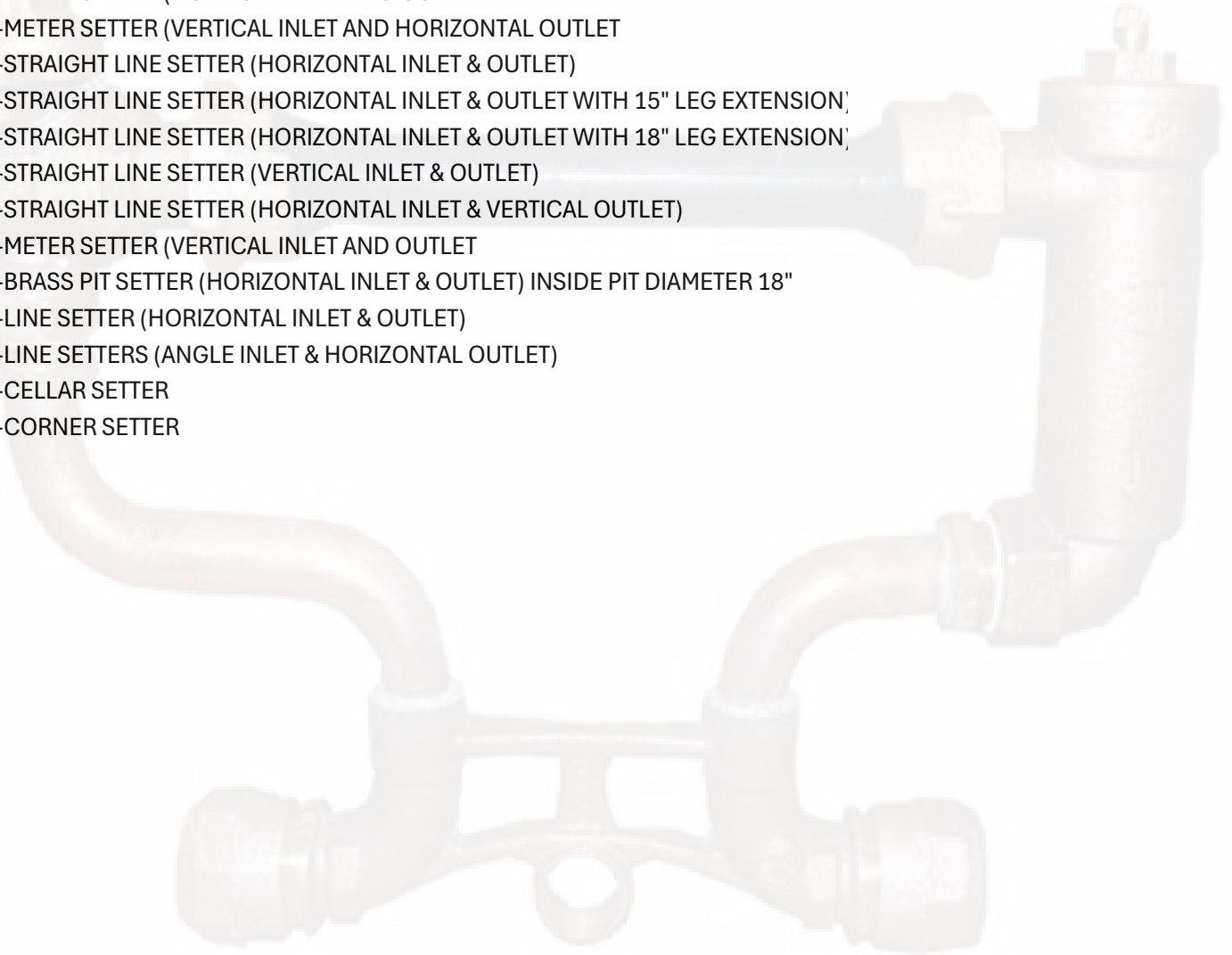
6050NL-BRASS PIT SETTER (HORIZONTAL INLET & OUTLET) INSIDE PIT DIAMETER 18"

6060NL-LINE SETTER (HORIZONTAL INLET & OUTLET)

6065NL-LINE SETTERS (ANGLE INLET & HORIZONTAL OUTLET)

7010NL-CELLAR SETTER

7020NL-CORNER SETTER

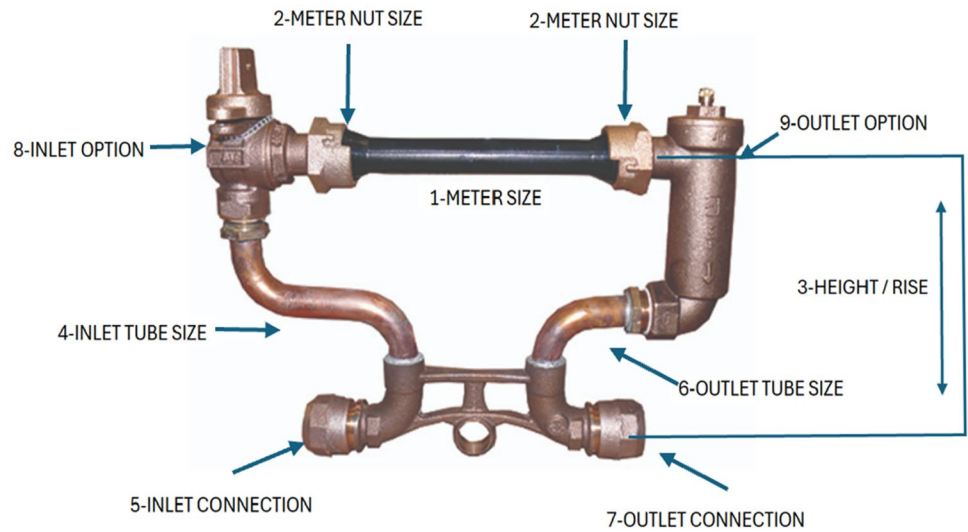


METER SETTERS

HOW TO BUILD A NON STOCK SETTER

FOLLOW OUR EASY 10 STEP PROCESS TO ORDER YOUR CUSTOM SETTER

PICK ONE FROM EACH COLUMN BELOW



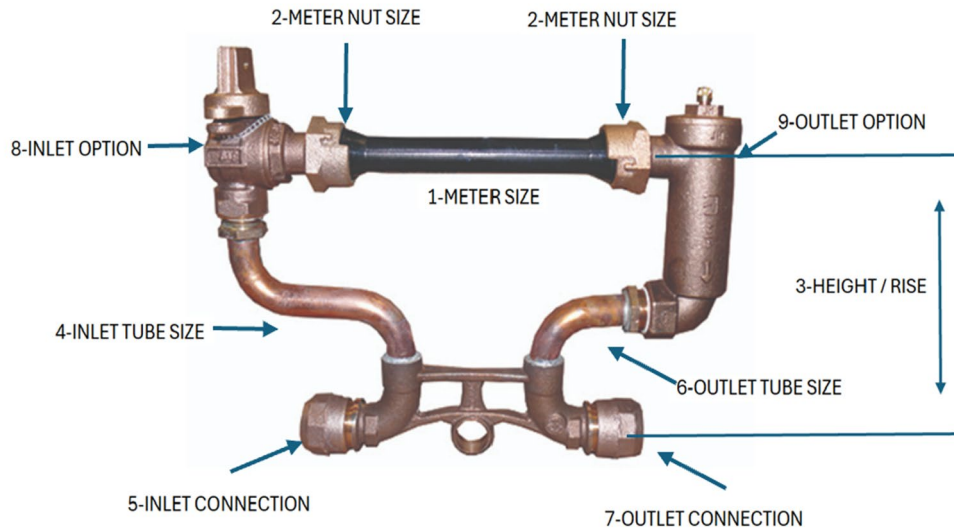
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|--|---|-----------|----------|------------|--------------|-------------|--------------|----------------|
| TYPE OF SETTER | **METER | METER NUT | *HEIGHT | INLET TUBE | INLET | OUTLET TUBE | OUTLET | INLET |
| | SIZE | SIZE | RISE | SIZE | CONNECTION | SIZE | CONNECTION | OPTION |
| PICK ONE | PICK ONE | PICK ONE | PICK ONE | PICK ONE | PICK ONE | PICK ONE | PICK ONE | PICK ONE |
| SEE TYPE OF SETTER | 5/8" X 1/2" | 1/2" | 7" | 3/4" | CTS COMPRESS | 3/4" | CTS COMPRESS | ANGLE PLUG |
| | 5/8" X 3/4" | 3/4" | 9" | 1" | *CAMPACK | 1" | *CAMPACK | R/PORT BALL |
| | 3/4" | 1" | 10" | 1-1/2" | *CB | 1-1/2" | *CB COMPRESS | BALL |
| | 1" | 1-1/2" | 12" | 2" | *GRIP JOINT | 2" | *GRIP JOINT | FULL PORT-BALL |
| | 1-1/2" | 2" | 15" | | DUAL PURPOSE | | DUAL PURPOSE | |
| | 2" | | 18" | | PEP (SIDR 7) | | PEP (SIDR 7) | |
| | *5/8 Meter Size has two different meter nut options 1/2" & 3/4" (Thread Size). All other meters sizes will have the same nut size | | | | PVC (IPS) | | PVC (IPS) | |
| | | | | | METER THREAD | | METER THREAD | |
| | | | | | FIP | | FIP | |
| | | | | | COPPER FLARE | | COPPER FLARE | |
| | | | | | MIP | | MIP | |
| | | | | | METER FLANGE | | METER FLANGE | |
| | | | | | HAYSITE | | HAYSITE | |
| C903 | | | | | C903 | | | |
| *Std starting height on 1" setters is 10" | | | | | | | | |
| *Std starting height on 1-1/2" & 2" is 12" | | | | | | | | |

****METER SIZE- 5/8" METER COME IN TWO DIFFERENT SIZES (1st number is the meter and 2nd is the thread size)**

1. Straight 5/8" which has 1/2" threads coming from the meter. (aka: (1.) Straight 5/8", (2.) 5/8" x 1/2", (3.) 1/2")
2. 5/8" x 3/4" is a 5/8" meter with 3/4" threads coming from the meter

METER SETTERS

STOCK HORIZONTAL INLET & OUTLET SETTERS



| TYPE OF SETTER | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------|--------------|----------------|--------------|-----------------|------------------|------------------|-------------------|--------------|---------------|------------------------------|
| | **METER SIZE | METER NUT SIZE | *HEIGHT RISE | INLET TUBE SIZE | INLET CONNECTION | OUTLET TUBE SIZE | OUTLET CONNECTION | INLET OPTION | OUTLET OPTION | BY-PASS OPTION 1-1/2 / 2" |
| *031-40201 | 5/8" | 1/2" | 12" | 3/4" | MIP | 3/4" | MIP | R/Port Ball | Cartridge DC | No |
| 031-40306 | 5/8" | 3/4" | 15" | 3/4" | CAMPACK | 3/4" | CAMPACK | R/Port Ball | Cartridge DC | No |
| 031-40310 | 5/8" | 1/2" | 7" | 3/4" | CAMPACK | 3/4" | CAMPACK | R/Port Ball | Cartridge DC | No |
| 031-40311 | 5/8" | 1/2" | 7" | 3/4" | CAMPACK | 3/4" | CAMPACK | R/Port Ball | Cascade DC | No |
| 031-40320 | 5/8" | 3/4" | 7" | 3/4" | CAMPACK | 3/4" | CAMPACK | R/Port Ball | Cartridge DC | No |
| 031-40321 | 5/8" | 3/4" | 7" | 3/4" | CAMPACK | 3/4" | CAMPACK | R/Port Ball | Cascade DC | No |
| 031-40330 | 3/4" | 3/4" | 7" | 3/4" | CAMPACK | 3/4" | CAMPACK | R/Port Ball | Cartridge DC | No |
| 031-40340 | 1" | 1" | 12" | 1" | CAMPACK | 1" | CAMPACK | R/Port Ball | Cartridge DC | No |
| 031-40400 | 5/8" | 3/4" | 7" | 3/4" | CB | 3/4" | CB | R/Port Ball | Single Check | No |
| 031-40412 | 5/8" | 1/2" | 7" | 3/4" | CAMPACK | 3/4" | CAMPACK | R/Port Ball | Single Check | No |
| 031-40413 | 5/8" | 3/4" | 7" | 3/4" | CAMPACK | 3/4" | CAMPACK | R/Port Ball | Single Check | No |
| 031-40415 | 5/8" | 3/4" | 12" | 3/4" | CAMPACK | 3/4" | CAMPACK | R/Port Ball | Single Check | No |
| 031-40450 | 5/8" | 3/4" | 12" | 3/4" | GRIP JOINT | 3/4" | GRIP JOINT | R/Port Ball | Single Check | No |
| 031-40490 | 1-1/2" | 1-1/2" | 15" | 1-1/2" | FIP | 1-1/2" | FIP | R/Port Ball | Cartridge DC | 1" Low |
| 031-40500 | 2" | 2" | 15" | 2" | FIP | 2" | FIP | R/Port Ball | Cartridge DC | 1" Low |

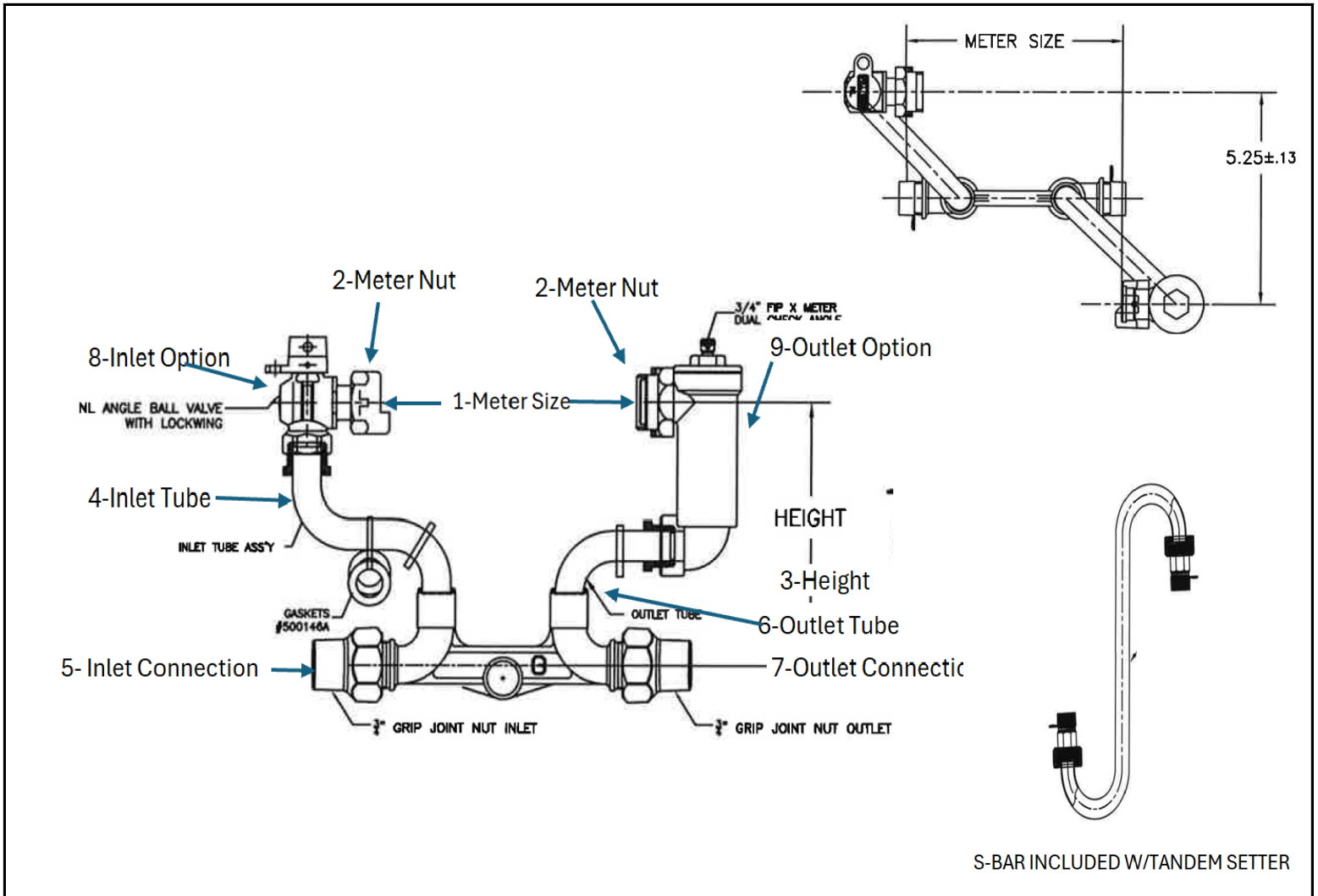
*031-40201 WOULD REQUIRE AN ADAPTER TO GO FROM MIP TO COMPRESSION

Other Setters available upon request. Call your Jabo CSR today for more details.

Follow our easy 10 step process to build your own setter

METER SETTERS

TANDEM SETTER



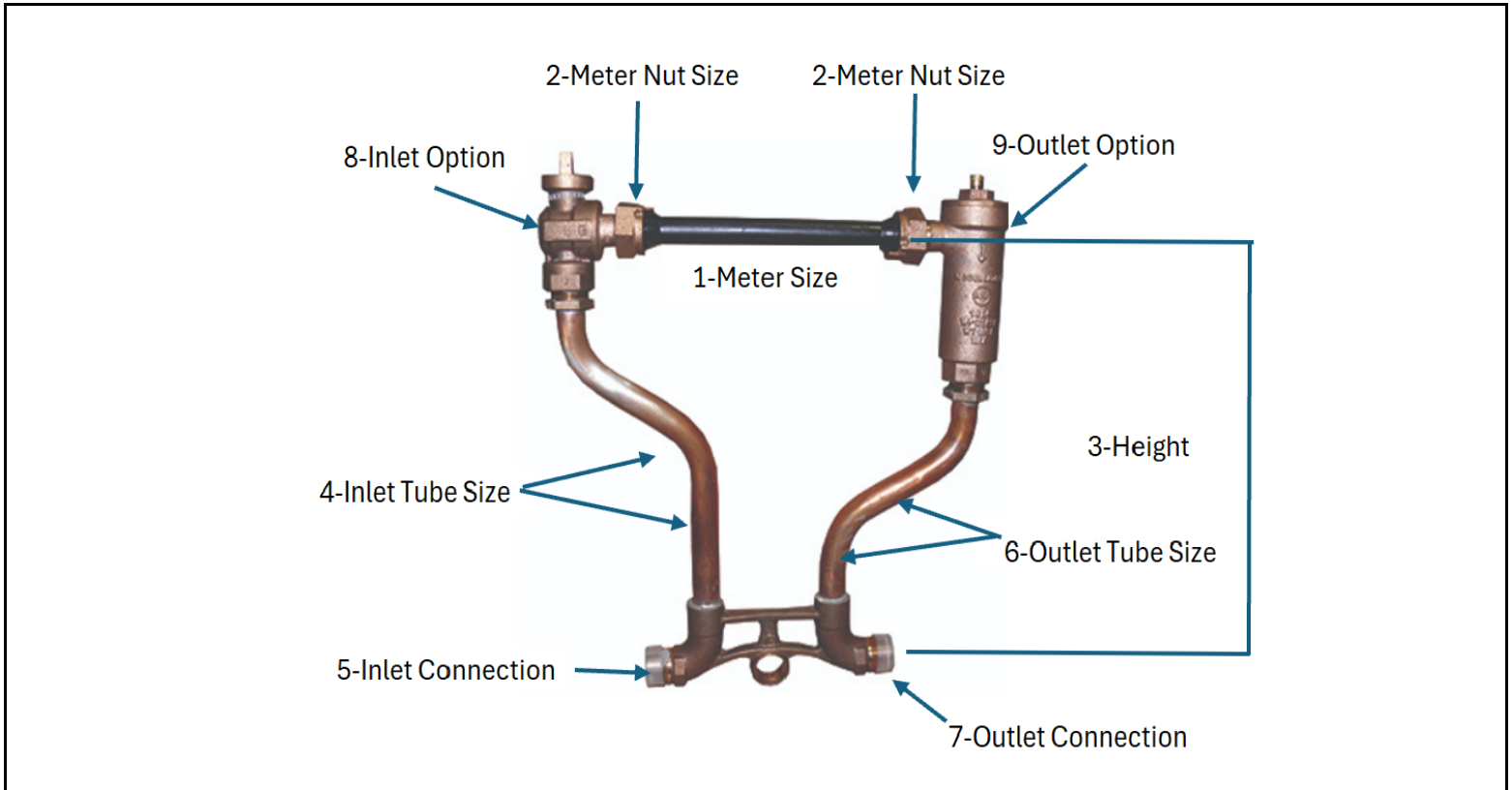
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------|-------|-----------|--------|------------|--------------|-------------|--------------|--------|--------------|--------------------|
| JABO # | METER | METER NUT | HEIGHT | INLET TUBE | INLET | OUTLET TUBE | OUTLET | INLET | OUTLET | BY-PASS |
| | SIZE | SIZE | RISE | SIZE | CONNECTION | SIZE | CONNECTION | OPTION | OPTION | OPTION 1-1/2" / 2" |
| 031-40300 | 5/8" | 3/4" | 7" | 3/4" | Dual Purpose | 3/4" | Dual Purpose | R/Port | Single Check | No |
| 031-40406 | 5/8" | 3/4" | 9" | 3/4" | Campak | 3/4" | Campak | R/Port | Cartridge DC | No |
| 031-40410 | 5/8" | 3/4" | 12" | 3/4" | Campak | 3/4" | Campak | R/Port | Single Check | No |
| 031-40420 | 5/8" | 3/4" | 7" | 3/4" | Campak | 3/4" | Campak | R/Port | Single Check | No |
| 031-40425 | 5/8" | 3/4" | 7" | 3/4" | Campak | 3/4" | Campak | R/Port | Cartridge DC | No |
| 031-40440 | 5/8" | 3/4" | 7" | 3/4" | Grip Joint | 3/4" | Grip Joint | R/Port | Single Check | No |

Other Setters available upon request. Call your Jabo CSR today for more details.

Follow our easy 10 step process to build your own setter

METER SETTERS

STOCK RESETTERS



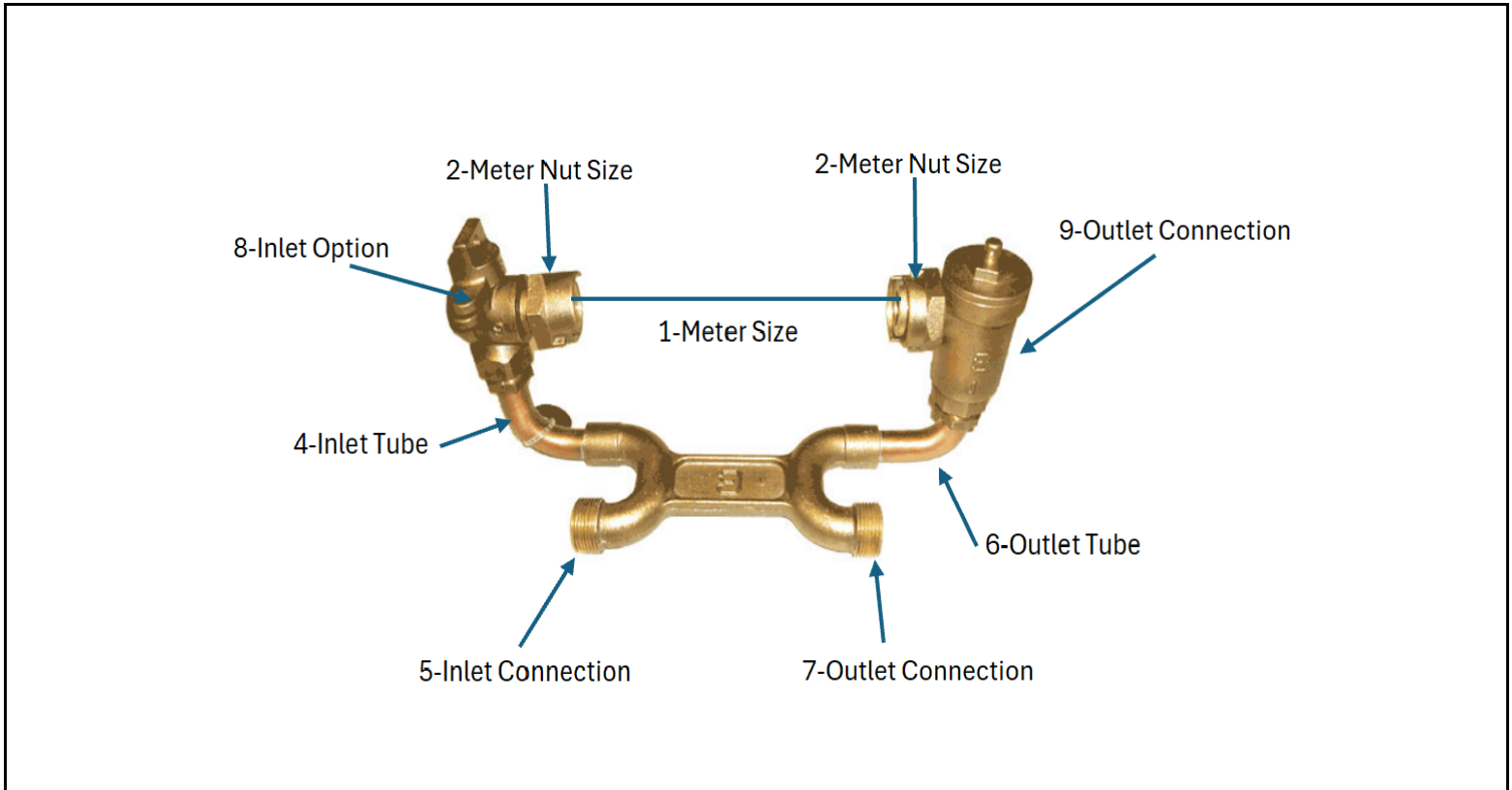
| JABO # | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------|------------|----------------|-------------|-----------------|------------------|------------------|-------------------|--------------|---------------|----------------|
| | METER SIZE | METER NUT SIZE | HEIGHT RISE | INLET TUBE SIZE | INLET CONNECTION | OUTLET TUBE SIZE | OUTLET CONNECTION | INLET OPTION | OUTLET OPTION | BY-PASS OPTION |
| 031-21108 | 5/8" | 3/4" | 9" | 3/4" | Meter Thread | 3/4" | Meter Thread | R/Port | Cartridge DC | No |
| 031-21172 | 5/8" | 3/4" | 12" | 3/4" | Meter Thread | 3/4" | Meter Thread | R/Port | Cartridge DC | No |
| 031-40350 | 5/8" | 1/2" | 7" | 3/4" | Meter Thread | 3/4" | Meter Thread | R/Port | Cartridge DC | No |
| 031-40360 | 5/8" | 3/4" | 7" | 3/4" | Meter Thread | 3/4" | Meter Thread | R/Port | Cartridge DC | No |
| 031-40370 | 1" | 1" | 12" | 1" | Meter Thread | 1" | Meter Thread | R/Port | Cartridge DC | No |

Other Setters available upon request. Call your Jabo CSR today for more details.

Follow our easy 10 step process to build your own setter

METER SETTERS

STOCK LOW RISE METER SETTERS



| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------|-------|-----------|---------|------------|--------------|-------------|--------------|-------------|----------|-------------------|
| JABO # | METER | METER NUT | *HEIGHT | INLET TUBE | INLET | OUTLET TUBE | OUTLET | INLET | OUTLET | BY-PASS |
| | SIZE | SIZE | RISE | SIZE | CONNECTION | SIZE | CONNECTION | OPTION | OPTION | OPTION 1-1/2 / 2" |
| 031-40102 | 5/8" | 1/2" | *4" | 3/4" | Meter Thread | 3/4" | Meter Thread | R/Port Ball | No Valve | No |
| 031-40600 | 5/8" | 3/4" | *4" | 3/4" | Meter Thread | 3/4" | Meter Thread | R/Port Ball | No Valve | No |

*STANDARD HEIGHT 4" FOR METERS BELOW 1" AND 6" FOR METERS 1" AND ABOVE

Other Setters available upon request. Call your Jabo CSR today for more details.

Follow our easy 10 step process to build your own setter



CAMBRIDGE BRASSTM INC



METER ACCESSORIES

METER ACCESSORIES

METER COUPLINGS

Meter swivel nuts are less saddle, have internal straight threads per AWWA C700, NSF and include hole for wire seal unless otherwise indicated. NSF rubber gaskets are supplied and are standard

METER NUT X CAMPAK



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|-------|--------|
| 031-16860 | 417NL-T1B1 | 1/2" | 1/2" |
| 031-16904 | 417NL-T3B3 | 3/4" | 3/4" |
| * | 417NL-T3B4 | 3/4" | 1" |
| * | 417NL-T4B4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

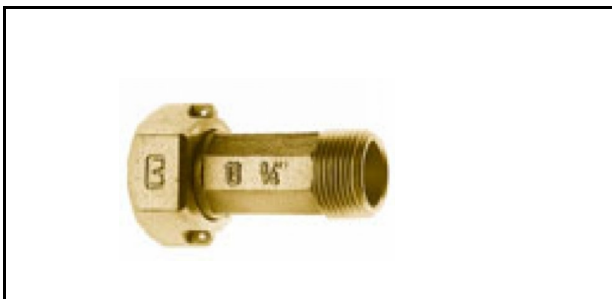
METER NUT X CB COMPRESSION



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|-------|--------|
| 031-16868 | 417NL-T1H3 | 1/2" | 3/4" |
| 031-16920 | 417NL-T3H3 | 3/4" | 3/4" |
| * | 417NL-T3H4 | 3/4" | 1" |
| * | 417NL-T4H4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

METER NUT X MIP



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|-------|--------|
| 031-16880 | 417NL-T1M1 | 5/8" | 1/2" |
| 031-16884 | 417NL-T1M3 | 5/8" | 3/4" |
| * | 417NL-T3M1 | 3/4" | 1/2" |
| 031-16940 | 417NL-T3M3 | 3/4" | 3/4" |
| 031-17028 | 417NL-T4M4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

OTHER OPTIONS AVAILABLE

- Meter Nut X Solder
- Meter Nut X IP (Galvanized) Pipe
- Meter Nut X FIP
- Meter Nut X C903
- Pex Meter Coupling
- FIP X MIP Coupling

VISIT CAMBRIDGE BRASS WEBSITE

www.cambridgebrass.com

METER ACCESSORIES

METER BUSHINGS & ADAPTERS

METER THREAD X MIP

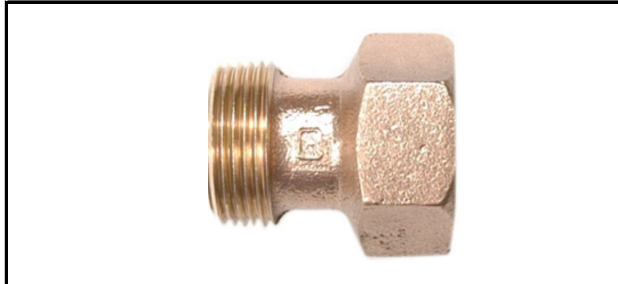
(REGULATOR ADAPTER FOR TANDEM SETTERS)



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|-------|--------|
| 031-20656 | 440NL-N3M3 | 3/4" | 3/4" |
| 031-20660 | 440NL-N3N2 | 3/4" | 5/8" |
| 031-20676 | 440NL-N4M4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

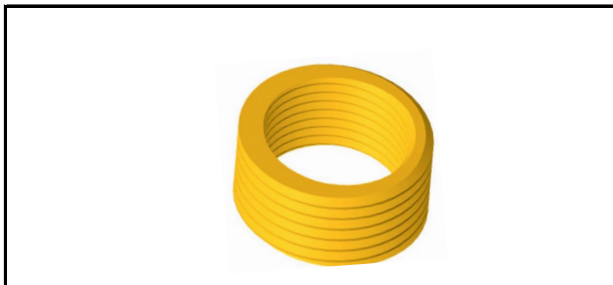
METER SIZING BUSHING



| Jabo # | MFG # | Inlet | Outlet |
|-----------|------------|-------|-------------|
| * | 440NL-N3R2 | 3/4" | 5/8" X 3/4" |
| * | 440NL-N4R2 | 1" | 5/8" X 3/4" |
| 031-20684 | 440NL-N4R3 | 1" | 3/4" |

*NON STOCK CALL JABO SUPPLY

METER INCREASING BUSHING



| Jabo # | MFG # | Inlet | Outlet |
|--------|------------|-------|-------------|
| * | 440NL-N3R2 | 5/8" | 5/8" X 3/4" |
| * | 440NL-N4R2 | 1" | 5/8" X 3/4" |
| * | 440NL-N4R3 | 1" | 3/4" |

*NON STOCK CALL JABO SUPPLY

METER ADAPTER



| Jabo # | MFG # | Size |
|-----------|--------|------------------|
| 031-50000 | 710J24 | 5/8" X 3/4" X 1" |

METER BUSHING



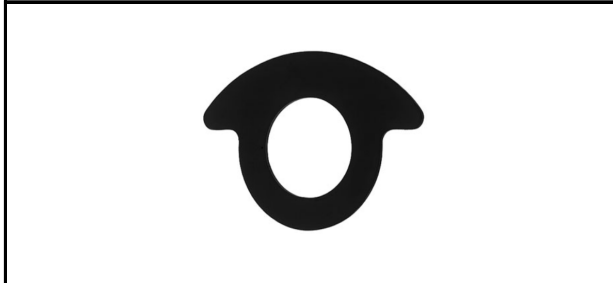
| Non Stock | Jabo # | MFG # | Size | Size |
|-----------|-----------|-----------|--------|--------|
| | * | 83NL-A3A1 | 3/4" | 1/2" |
| | 031-27104 | 83NL-A4A3 | 1" | 3/4" |
| | * | 83NL-A6A3 | 1-1/2" | 3/4" |
| | * | 83NL-A6A4 | 1-1/2" | 1" |
| | * | 83NL-A7A3 | 2" | 3/4" |
| | * | 83NL-A7A4 | 2" | 1" |
| | * | 83NL-A7A6 | 2" | 1-1/2" |

*NON STOCK CALL JABO SUPPLY

METER ACCESSORIES

METER GASKETS

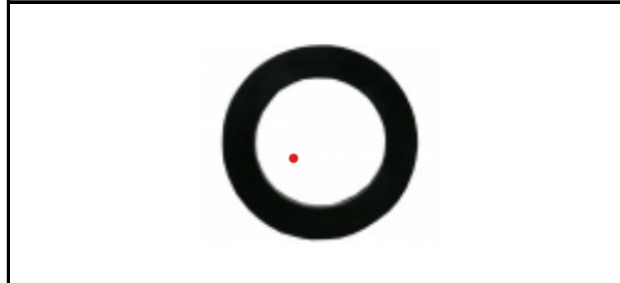
FLANGED METER GASKETS



| Jabo # | MFG # | Inlet | Outlet |
|-----------|-------|--------|--------|
| 031-17096 | 42-6 | 1-1/2" | 1-1/2" |
| 031-17100 | 42-7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

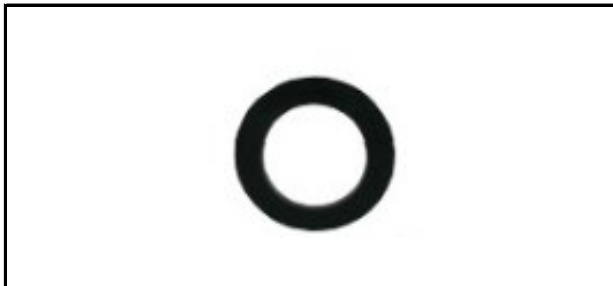
RUBBER METER GASKETS



| Jabo # | MFG # | SIZE | JABO SUPPLY |
|-----------|-------|--------|----------------|
| 031-16728 | 41-1 | 5/8" | |
| 031-16732 | 41-3 | 3/4" | |
| 031-16736 | 41-4 | 1" | |
| * | 41-6 | 1-1/2" | |
| * | 41-7 | 2" | |

*NON STOCK CALL JABO SUPPLY

GASKETS TO SEAL METER & YOKE CONNECTION



| Jabo # | MFG # | Inlet |
|-----------|--------|--------------------|
| * | 41-SR1 | 5/8" |
| * | 41-SR3 | 5/8" X 3/4" X 3/4" |
| 031-16760 | 41-SR4 | 1" |

*NON STOCK CALL JABO SUPPLY

METER ACCESSORIES

METER BARS

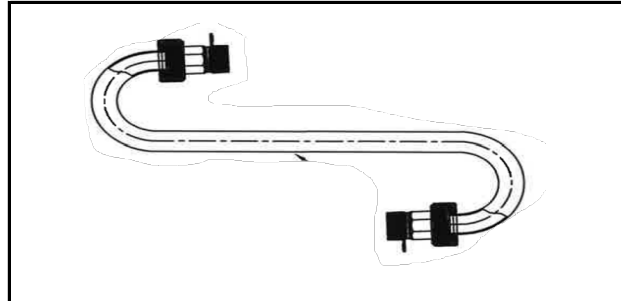
IDLER BAR



| Jabo # | MFG # | Meter Size |
|-----------|-------|-------------|
| 031-20712 | 450-1 | 5/8" |
| * | 450-2 | 5/8" X 3/4" |
| 031-20720 | 450-3 | 3/4" |
| * | 450-4 | 1" |

*NON STOCK CALL JABO SUPPLY

SBAR



| Jabo # | MFG # | Inlet | Outlet |
|-----------|----------|-------|--------|
| 031-50050 | 4160-490 | 3/4" | 3/4" |
| * | | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

FLANGES & BOLTS

Oval meter flanges are faced and drilled per AWWA C700. Stainless Steel meter support brackets not included-Bolt hole diameters on 1-1/2" oval flange=.72. 2". Oval flange=.81

BRASS METER FLANGES X FIP (KIT)



INCLUDES

*Flanges

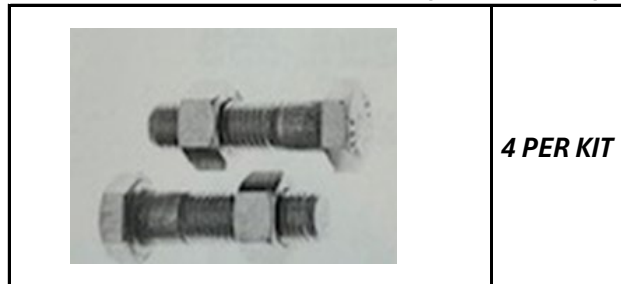
*Gaskets

*Bolts

| Jabo # | MFG # | Meter Size |
|-----------|---------|------------|
| 031-17104 | 421NL-6 | 1-1/2" |
| 031-17112 | 421NL-7 | 2" |

*NON STOCK CALL JABO SUPPLY

BOLT KITS FOR METER FLANGES (ZINC PLATED)



4 PER KIT

| Jabo # | MFG # | BOLT SIZE |
|-----------|-------|-----------|
| 031-17088 | 42-2 | 1-1/2" |
| 031-17092 | 42-3 | 2" |

*NON STOCK CALL JABO SUPPLY

METER ACCESSORIES

SINGLE & DUAL CHECK VALVES

DUAL CHECK VALVE

SERIES 500NL

ANGLE DUAL CHECK VALVE



| Jabo # | MFG # | Meter Size | Outlet Size |
|--------|------------|-----------------------|-------------|
| * | 500NL-T1F3 | 5/8" | 3/4" |
| * | 500NL-T3F3 | 5/8" x 3/4" & 3/4" | 3/4" |
| * | 500NL-T1F5 | 1" | 1" |
| * | 500NL-T1F6 | 1-1/2" | 1-1/2" |
| * | 500NL-T1F7 | 2" | 2" |

*NON STOCK CALL JABO SUPPLY

ANGLE CASCADING DUAL CHECK

SERIES 501NL

METER NUT X FIP



| Jabo # | MFG # | Meter Size | Outlet Size |
|-----------|------------|-----------------------|-------------|
| * | 501NL-T1F3 | 5/8" | 3/4" |
| 031-20912 | 501NL-T3F3 | 5/8" X 3/4" & 3/4" | 3/4" |
| * | 501NL-T4F4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

SINGLE CHECK VALVE

SERIES 590NL

METER NUT X FIP (ACCESSIBLE)



| Jabo # | MFG # | Meter Size | Outlet Size |
|--------|------------|-----------------------|-------------|
| * | 590NL-T3F3 | 5/8" X 3/4" & 3/4" | 3/4" |
| * | 590NL-T4F4 | 1" | 1" |

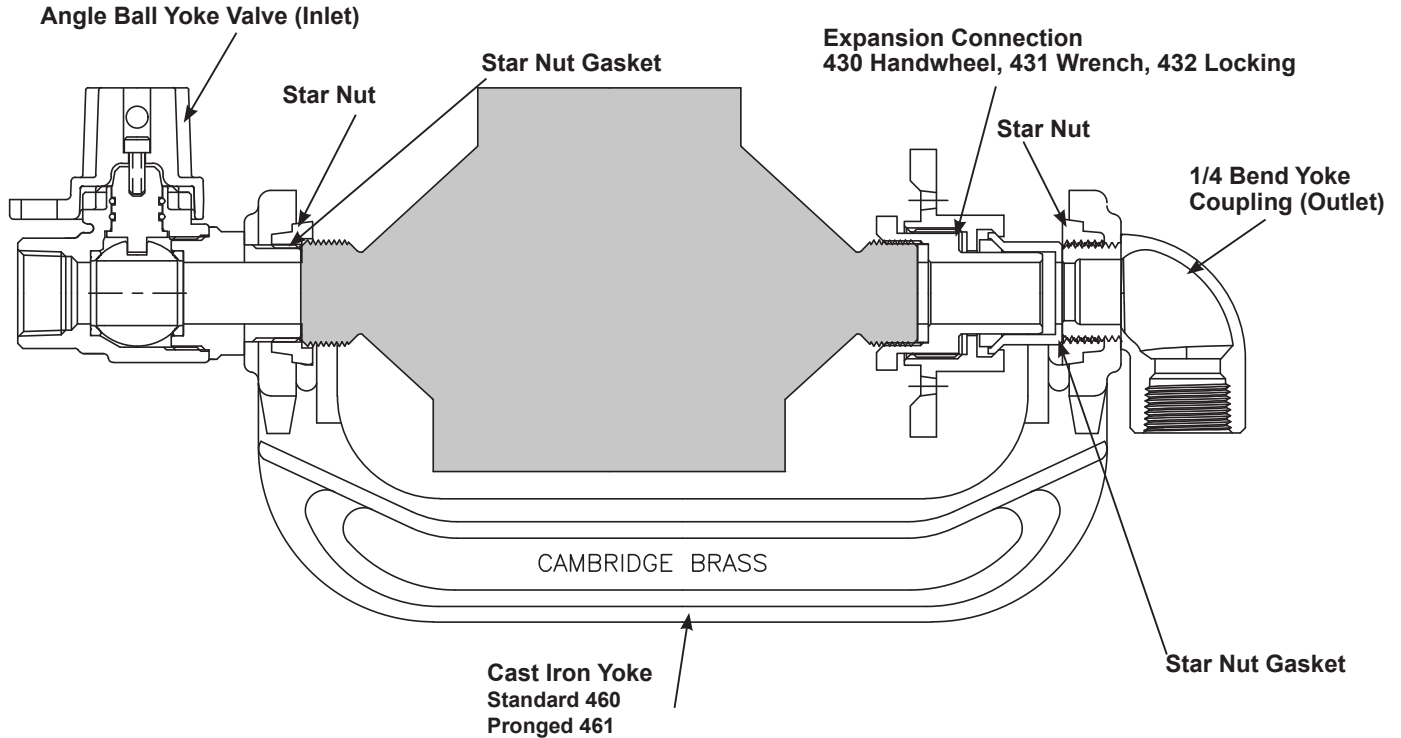
*NON STOCK CALL JABO SUPPLY

CAMBRIDGE BRASS TM **INC**



IRON YOKES

General Information



NOTES

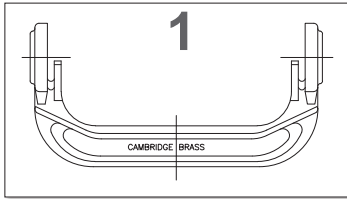
- All cast brass parts comply with latest revision of AWWA C800.
- Yoke bar material is ASTM A126 Class B cast iron.
- Meter gaskets are EPDM.
- Ball valves are rated at 300 PSIG water pressure - (See Meter Valve section).
- Plug valves are rated at 100 PSIG water pressure - (See Meter Valve section).
- Cast iron yoke is powder coated.
- Cast iron yoke has support lip to hold meter and expander during installation.
- Three piece brass expander has large tightening spokes and includes two star nut gaskets.

Iron Yokes

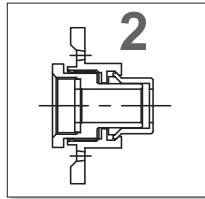
Yoke Bars | Angle & Straight Valves | Yoke Couplings | Angle Single Check Valves | Inline & Angle Dual Check Valves | U-Branch & Yoke

How to Order

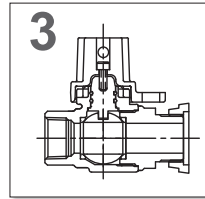
Be sure to order one of each to make up a complete assembly.



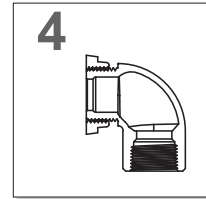
Cast Iron Yoke



Expansion Connection



Inlet Valve or Coupling "SR" outlet



Outlet Valve, Coupling, or Dual Check Valve "SR" inlet

Yokes Assemblies - SR Valves and Check Valves

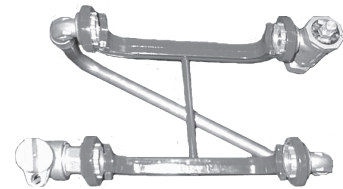
Single Settings



Dual Yoke Settings



Tandem Yoke Settings



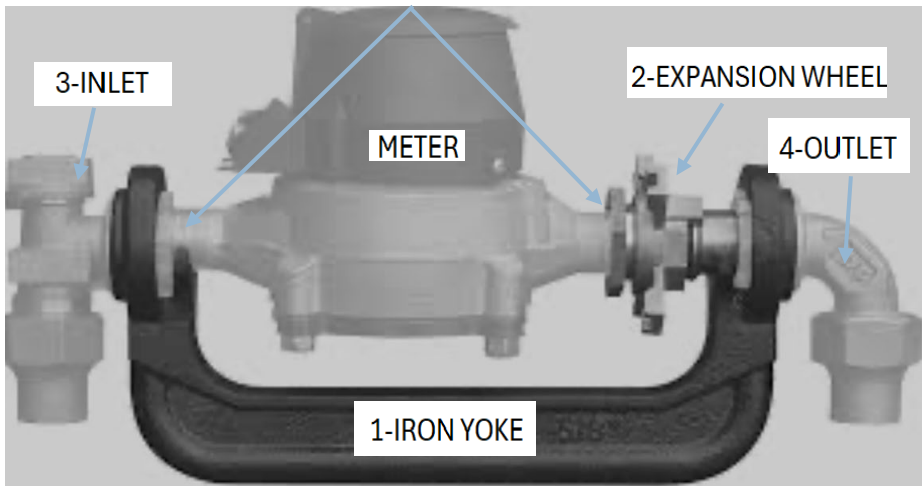
Yoke Bar Assembly Only with Tie Bar



IRON YOKES

HOW TO BUILD AN IRON YOKE ASSEMBLY

USE OUR EASY 4 STEP PROCESS TO BUILD YOUR IRON YOKE ASSEMBLY

| 1 | 2 | 3 | 4 |
|--|--|---|---|
| YOKE BAR | EXPANSION WHEEL | INLET | OUTLET |
| Pick One | Pick One | Pick One | Pick One |
| Series 460 Standard | Series 430NL Expansion Connection Handwheel Type | Series 210 Angle Valve with Yoke Connection-Ball Valve | Series 500NL Angle Yoke Style Dual Check Valve |
| | | *CB X Yoke Nose | *CB X Yoke Nose |
| Series 461 W Prongs | Series 431NL- Wrench Type | *Campak X Yoke Nose | *Campak X Yoke Nose |
| | | *Grip Joint x Yoke Nose | *Grip Joint x Yoke Nose |
| | | *FIP x Yoke Nose | *FIP x Yoke Nose |
| | Series 432NL-Iron Yoke Expansion Wheel Lock Wing Socket Screw | Series 212 Straight Yoke Valve-Ball Style | |
| | | *CB X Yoke Nose | Series 117NL Straight Coupling with Yoke Connection |
| | | *Campak X Yoke Nose | *CB X Yoke Nose |
| | | *Grip Joint X Yoke Nose | *Campak X Yoke Nose |
| | | *FIP X Yoke Nose | *Grip Joint X Yoke Nose |
| | | | *FIP X Yoke Nose |
| COMPONENTS OF IRON YOKE ASSEMBLY | | | *MIP X Yoke Nose |
|  | | | Series 210 Angle Valve with Yoke Connection-Ball Valve |
| | | | *CB X Yoke Nose |
| | | | *Campak X Yoke Nose |
| | | | *Grip Joint x Yoke Nose |
| | | | *FIP x Yoke Nose |
| | | | NO VALVE Angle Coupling with Yoke Nose |
| | | | *CB X Yoke Nose |
| | | | *Campak X Yoke Nose |
| | | | *Grip Joint x Yoke Nose |
| | | | *FIP X Yoke Nose |

STRAIGHT 5/8" METER HAS 1/2" THREADS , 5/8" X 3/4" IS A 5/8" METER WITH 3/4" THREADS

IRON YOKES

STEP 1

SELECT AN IRON YOKE BAR

*Cradle Position meter in line with end connections to allow one hand installation

*E-Coat finish Standard

*Powder Coat Finish Option available on request

Iron Yoke Bars (Standard)

Series 460

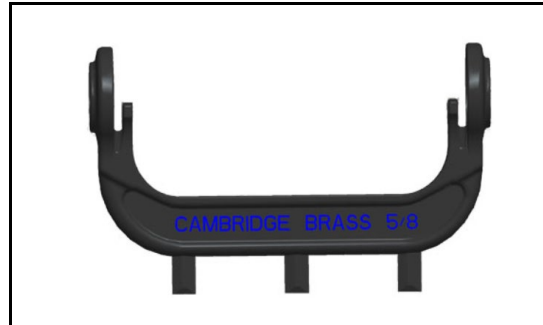


| Jabo # | MFG # | Meter Size |
|-----------|-------|-------------|
| * | 460-1 | 5/8" |
| 031-20780 | 460-2 | 5/8" x 3/4" |
| * | 460-3 | 3/4" |
| 031-20788 | 460-4 | 1" |

*NON STOCK CALL JABO SUPPLY
5/8" Meter Size has 1/2" Threads

Iron Yoke Bars (with Prongs)

Series 461



| Jabo # | MFG # | Meter Size |
|--------|-------|-------------|
| * | 461-1 | 5/8" |
| * | 460-2 | 5/8" x 3/4" |
| * | 460-4 | 1" |

*NON STOCK CALL JABO SUPPLY
5/8" Meter Size has 1/2" Threads

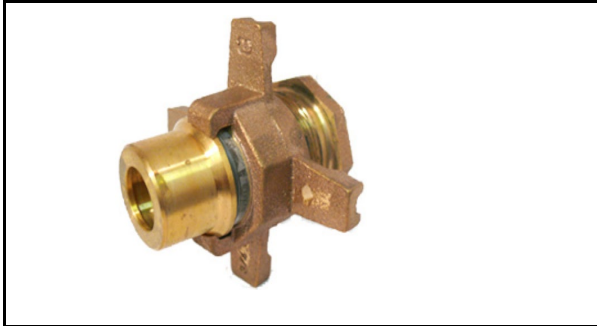
IRON YOKES

STEP 2

SELECT AN EXPANSION CONNECTIONS HANDWHEEL TYPE

HANDWHEEL TYPE

SERIES 430NL



| Jabo # | MFG # | Meter Size |
|-----------|---------|--------------------|
| 031-19152 | 430NL-1 | 5/8" |
| 031-19156 | 430NL-3 | 5/8" X 3/4" X 3/4" |
| 031-19164 | 430NL-4 | 1" |

*NON STOCK CALL JABO SUPPLY

WRENCH TYPE

SERIES 431NL



| Jabo # | MFG # | Meter Size |
|--------|---------|--------------------|
| * | 431NL-1 | 5/8" |
| * | 431NL-3 | 5/8" X 3/4" X 3/4" |

*NON STOCK CALL JABO SUPPLY

IRON YOKE EXPANSION WHEEL LOCK WING SOCKET SCREW

SERIES 432NL



| Jabo # | MFG # | Meter Size |
|--------|---------|------------|
| * | 432NL-1 | |

*NON STOCK CALL JABO SUPPLY

INVERTED KEY

SERIES 433



| Jabo # | MFG # | Meter Size |
|--------|---------|------------|
| | 433-KEY | |

USED WITH LOCK WING SOCKET SCREW

*NON STOCK CALL JABO SUPPLY

IRON YOKES

SELECT INLET OPTION

SERIES 210NL ANGLE VALVE WITH YOKE CONNECTION-BALL STYLE

300 PSI

Cambridge Brass Angle Yoke ball valves include a meter star nut for connection to iron yoke bars and a wide variety of inlet configurations; manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. These angle valves come standard with 90 degree open to close operating head and valves include lockwing for locking in closed position.

CB COMPRESSION X YOKE NOSE



| JABO # | MFG # | Inlet Size | Meter Size |
|--------|-------------|------------|-------------|
| * | 210NL-H3SR1 | 3/4" | 5/8" |
| * | 210NL-H3SR3 | 3/4" | 5/8" X 3/4" |
| * | 210NL-H4SR3 | 1" | 5/8" X 3/4" |
| * | 210NL-B4SR4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

CAMPAK COMPRESSION X YOKE NOSE



| JABO # | MFG # | Inlet Size | Meter Size |
|-----------|-------------|------------|-------------|
| * | 210NL-B3SR1 | 3/4" | 5/8" |
| 031-13780 | 210NL-B3SR3 | 3/4" | 5/8" X 3/4" |
| * | 210NL-B4SR3 | 1" | 5/8" X 3/4" |
| * | 210NL-B4SR4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

GRIP JOINT COMPRESSION X YOKE NOSE



| JABO # | MFG # | Meter Size | Inlet Size |
|--------|--------------|-------------|------------|
| * | 210NL-GJ3SR1 | 5/8" | 3/4" |
| * | 210NL-GJ3SR3 | 5/8" X 3/4" | 3/4" |
| * | 210NL-GJ4SR3 | 5/8" X 3/4" | 1" |
| * | 210NL-GJ4SR4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

FIP X YOKE NOSE



| JABO # | MFG # | Inlet Size | Meter Size |
|--------|-------------|------------|-------------|
| * | 210NL-F3SR1 | 3/4" | 5/8" |
| * | 210NL-F3SR3 | 3/4" | 5/8" X 3/4" |
| * | 210NL-F4SR3 | 1" | 5/8" X 3/4" |
| * | 210NL-F4SR4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

IRON YOKES

SELECT INLET OPTION

SERIES 212NL STRAIGHT BALL VALVE

RATED 300 PSIG

Manufactured to meet or exceed AWWA C800 (latest version) and NSF 61 & 372 standards, except where noted. These valves open to close operating head come standard with 90 degree open to close operating head. Valves include locking for locking in closed position.

CB COMPRESSION X YOKE NOSE



| JABO # | MFG # | Inlet Size | Meter Size |
|--------|-------------|------------|-------------|
| * | 212NL-H3SR1 | 3/4" | 5/8" |
| * | 212NL-H3SR3 | 3/4" | 5/8" X 3/4" |
| * | 212NL-H4SR3 | 1" | 5/8" X 3/4" |
| * | 212NL-H4SR4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

CAMPAK COMPRESSION X YOKE NOSE



| JABO # | MFG # | Inlet Size | Meter Size |
|--------|-------------|------------|-------------|
| * | 212NL-B3SR1 | 3/4" | 5/8" |
| * | 212NL-B3SR3 | 3/4" | 5/8" X 3/4" |
| * | 212NL-B4SR3 | 1" | 5/8" X 3/4" |
| * | 212NL-B4SR4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

GRIP JOINT COMPRESSION X YOKE NOSE



| JABO # | MFG # | Inlet Size | Meter Size |
|--------|--------------|------------|-------------|
| * | 212NL-GJ3SR1 | 3/4" | 5/8" |
| * | 212NL-GJ3SR3 | 3/4" | 5/8" X 3/4" |
| * | 212NL-GJ4SR3 | 1" | 5/8" X 3/4" |
| * | 212NL-GJ4SR4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

FIP X YOKE NOSE



| JABO # | MFG # | Inlet Size | Meter Size |
|--------|-------------|------------|-------------|
| * | 212NL-F3SR1 | 3/4" | 5/8" |
| * | 212NL-F3SR3 | 3/4" | 5/8" X 3/4" |
| * | 212NL-F4SR3 | 1" | 5/8" X 3/4" |
| * | 212NL-F4SR4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

IRON YOKES

SELECT OUTLET CONNECTION

SERIES 500NL- ANGLE YOKE STYLE DUAL CHECK VALVES

Rated for 175 PSIG

Cambridge Brass Angle Yoke Style Dual Check Valves include a meter star nut for iron yoke inlets and a wide variety of inlet/outlet configurations. The top cap and unique check module design assures convenient access to both checks for inspection, maintenance or replacement without removing the valve from the line. Backflow of water is still deterred if either of the checks are removed or inoperable .

CB COMPRESSION X YOKE NOSE



| JABO # | MFG # | Meter Size | Outlet |
|--------|-------------|-------------|--------|
| * | 500NL-SR1H3 | 5/8" | 3/4" |
| * | 500NL-SR3H3 | 5/8" X 3/4" | 3/4" |
| * | 500NL-SR3H4 | 5/8" X 3/4" | 1" |
| * | 500NL-SR4H4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

CAMPAK COMPRESSION X YOKE NOSE



| JABO # | MFG # | Meter Size | Outlet |
|-----------|-------------|-------------|--------|
| * | 500NL-SR1B3 | 5/8" | 3/4" |
| 031-20840 | 500NL-SR3B3 | 5/8" X 3/4" | 3/4" |
| * | 500NL-SR3B4 | 5/8" X 3/4" | 1" |
| 031-20872 | 500NL-SR4B4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

GRIP JOINT COMPRESSION X YOKE NOSE



| JABO # | MFG # | Meter Size | Outlet |
|--------|--------------|-------------|--------|
| * | 500NL-SR1GJ3 | 5/8" | 3/4" |
| * | 500NL-SR3GJ3 | 5/8" X 3/4" | 3/4" |
| * | 500NL-SR3GJ4 | 3/4" | 1" |
| * | 500NL-SR4GJ4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

FIP X YOKE NOSE



| JABO # | MFG # | Meter Size | Outlet |
|--------|-------------|------------|-------------|
| * | 500NL-SR1F3 | 3/4" | 5/8" |
| * | 500NL-SR3F3 | 3/4" | 5/8" X 3/4" |
| * | 500NL-SR4F4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

IRON YOKES

STEP 4

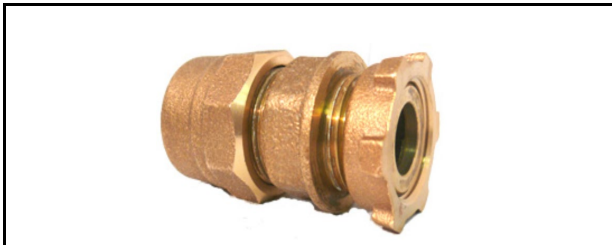
SELECT OUTLET CONNECTION

SERIES 117NL- STRAIGHT COUPLING WITH YOKE CONNECTION

RATED 300 PSIG

Straight yoke couplings include a meter star nut for connection to iron yoke bars and a wide variety of inlet/outlet configurations. They meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSI rated. They are designed and tested for cold potable water only

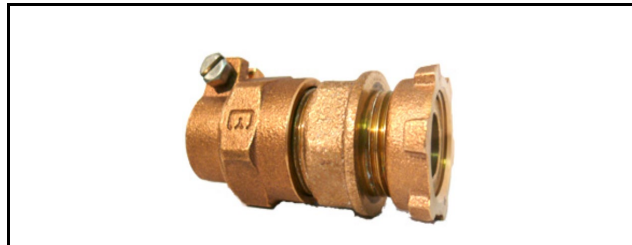
CB COMPRESSION X YOKE NOSE



| JABO # | MFG # | Meter Size | Outlet |
|--------|-------------|----------------------|--------|
| * | 117NL-SR1H3 | 5/8" | 3/4" |
| * | 117NL-SR3H3 | 5/8"x 3/4" x 3/4" | 3/4" |
| * | 117NL-SR3H4 | 3/4" | 1" |

*NON STOCK CALL JABO SUPPLY

CAMPAK COMPRESSION X YOKE NOSE



| JABO # | MFG # | Meter Size | Outlet |
|--------|-------------|----------------------|--------|
| * | 117NL-SR1B3 | 5/8" | 3/4" |
| * | 117NL-SR3B3 | 5/8"x 3/4" x 3/4" | 3/4" |
| * | 117NL-SR3B4 | 3/4" | 1" |

*NON STOCK CALL JABO SUPPLY

GRIP JOINT COMPRESSION X YOKE NOSE



| JABO # | MFG # | Meter Size | Outlet |
|--------|--------------|----------------------|--------|
| * | 117NL-SR1GJ3 | 5/8" | 3/4" |
| * | 117NL-SR3GJ3 | 5/8"x 3/4" x 3/4" | 3/4" |
| * | 117NL-SR3GJ4 | 3/4" | 1" |

*NON STOCK CALL JABO SUPPLY

FIP X YOKE NOSE



| JABO # | MFG # | Meter Size | Outlet |
|--------|-------------|----------------------|--------|
| * | 117NL-SR1F3 | 5/8" | 3/4" |
| * | 117NL-SR3F3 | 5/8"x 3/4" x 3/4" | 3/4" |
| * | 117NL-SR3F4 | 3/4" | 1" |

*NON STOCK CALL JABO SUPPLY

IRON YOKES

STEP 4

SELECT OUTLET CONNECTION

SERIES 117NL- STRAIGHT COUPLING WITH YOKE CONNECTION

RATED 300 PSIG

MIP X YOKE NOSE



| JABO # | MFG # | Meter Size | Outlet | *NON STOCK |
|--------|-------------|-------------------|--------|------------|
| * | 117NL-SR1F3 | 5/8" | 3/4" | STOCK |
| * | 117NL-SR3F3 | 5/8"x 3/4" x 3/4" | 3/4" | CALL JABO |
| * | 117NL-SR3F4 | 3/4" | 1" | SUPPLY |

105NL ANGLE COUPLING WITH YOKE CONNECTION

RATED 300 PSIG

Angle yoke couplings include a meter star nut for connection to iron yoke bars and a wide variety of inlet/outlet configurations and are manufactured by Cambridge Brass to meet or exceed the AWWA C800 (latest revision) and NSF 61 & 372 standards and are 300 PSI rated. They are designed and tested for cold potable water only. NSF rubber gaskets are used in our Compression fittings.

CB COMPRESSION X YOKE NOSE



| JABO # | MFG # | Meter Size | Outlet |
|--------|-------------|------------|--------|
| * | 105NL-SR1H3 | 5/8" | 3/4" |
| * | 105NL-SR3H3 | 5/8"x 3/4" | 3/4" |
| * | 105NL-SR4H4 | 3/4" | 1" |

*NON STOCK CALL JABO SUPPLY

CAMPAK COMPRESSION X YOKE NOSE



| JABO # | MFG # | Meter Size | Outlet |
|--------|-------------|------------|--------|
| * | 105NL-SR1B3 | 5/8" | 3/4" |
| * | 105NL-SR3B3 | 5/8"x 3/4" | 3/4" |
| * | 105NL-SR4B4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

IRON YOKES

SELECT OUTLET CONNECTION

105NL ANGLE COUPLING WITH YOKE CONNECTION

GRIP JOINT COMPRESSION X YOKE NOSE



| JABO # | MFG # | Meter Size | Outlet |
|--------|--------------|------------|--------|
| * | 105NL-SR1GJ3 | 5/8" | 3/4" |
| * | 105NL-SR3B3 | 5/8"x 3/4" | 3/4" |
| * | 105NL-SR4GJ4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

FIP X YOKE NOSE



| JABO # | MFG # | Meter Size | Outlet |
|--------|-------------|------------|--------|
| * | 105NL-SR1F3 | 5/8" | 3/4" |
| * | 105NL-SR3F3 | 5/8"x 3/4" | 3/4" |
| * | 105NL-SR4F4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

YOKE NOSE X CB



| JABO # | MFG # | Meter Size | Outlet | *NON STOCK CALL JABO |
|--------|--------------|-------------------|--------|----------------------|
| * | 105NL-SR3H3W | 5/8"x 3/4" x 3/4" | 3/4" | |
| * | 105NL-SR4H4W | 1" | 1" | |

IRON YOKES

ACCESSORIES

STAR NUT

FOR IRON YOKE VALVES & FITTINGS

Series 81



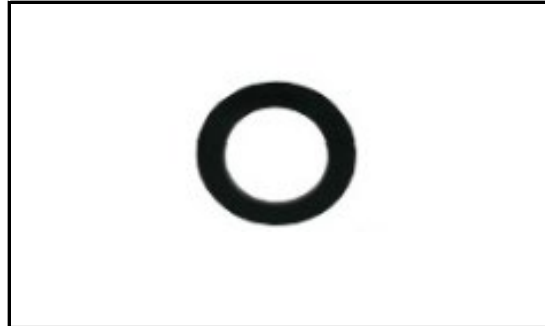
| JABO # | MFG # | Meter Size | Outlet |
|--------|--------|-------------|--------|
| * | 81-SR1 | 5/8" | 3/4" |
| * | 81-SR3 | 5/8" X 3/4" | 3/4" |
| * | 81-SR4 | 1" | 1" |

*NON STOCK CALL JABO SUPPLY

GASKETS

SEAL METER & YOKE CONNECTION

SERIES 41



| Jabo # | MFG # | Meter Size |
|-----------|--------|--------------------|
| * | 41-SR1 | 5/8" |
| * | 41-SR3 | 5/8" x 3/4" x 3/4" |
| 031-16760 | 41-SR4 | 1" |

*NON STOCK CALL JABO SUPPLY

GASKETS

PROFILE EXPANSION GASKET

SERIES 44



| Jabo # | MFG # | Meter Size |
|--------|-------|--------------------|
| * | 44-1 | 5/8" |
| * | 44-3 | 5/8" x 3/4" x 3/4" |
| * | 44-4 | 1" |

*NON STOCK CALL JABO SUPPLY

PROFILE EXPANSION GASKET

SERIES 45



| Jabo # | MFG # | Meter Size |
|--------|-------|--------------------|
| * | 45-1 | 5/8" |
| * | 45-3 | 5/8" x 3/4" x 3/4" |
| * | 45-4 | 1" |

*NON STOCK CALL JABO SUPPLY

2/19/25

COMPRESSION BRASS



JABO SUPPLY SINCE 1964 SERVICE IS MORE THAN A PROMISE

(304)-736-8333