

The MUELLER / McCullough THERMAL-COIL Meter Box provides a means to allow a meter to be read and maintained even though it is set deep in the ground to resist freezing. The THERMAL-COIL Meter Box is designed with the meter installed on a platform that normally sets near the bottom of the box where the ground temperature keeps it warmer. The meter and platform are connected to the service line by coils of polybutylene tubing which allow the meter and platform to be raised to the surface.

The body of the meter box is made from rigid PVC which has a high insulating "R" value to resist frost bridging" inside the box. For extremely cold climates, an optional insulating pad is available which traps the relatively warm air rising from the earth inside the box.

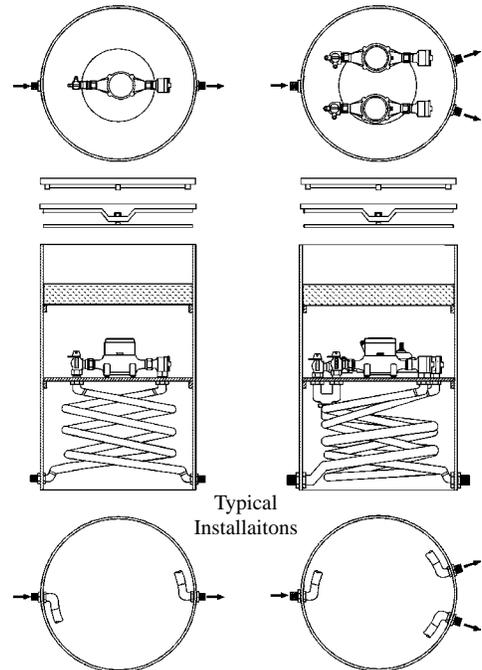
MUELLER / McCullough THERMAL-COIL Meter Boxes are shipped fully assembled, ready for meter installation. Their light weight saves shipping costs and makes installation a one man job in most cases. Every box is factory tested and has a 150 psig maximum working pressure rating.

MUELLER / McCullough THERMAL-COIL Meter Boxes are available for 5/8" to 1" meters. A wide variety of end connections, control valves, box depths, lids and other options provide you with the meter set you need. Due to the almost endless combination of features available, each box is custom built to your specifications. See page 8F.2 for options and ordering instructions.

Manufactured under one or more of the following: U.S. Patent No. 4,614,113; 4,813,281

MUELLER / McCullough THERMAL-COIL Meter Box Features

- Rigid .300 minimum wall PVC material holds shape and resists frost bridging
- Optional insulation pad traps earth's heat to prevent freezing in extremely cold climates
- White interior aids visibility
- Meter set is anchored to moveable platform to maintain alignment and stability
- Platform support and reinforcing ring add rigidity to box
- Poly coil tubing provides low friction loss equivalent to a typical conventional meter set of the same size and depth
- Male I.P. thread inlet and outlet connections accept a variety of MUELLER Service Fittings--see section 6
- Optional aluminum bottom available
- Large selection of optional lids



Lid Frame



Lid frames are used when boxes are installed in concrete or asphalt

Frame Part No.	Lid Size Opening	Box Dia. Frame Fits
700097	15"	15" & 18"
700098	18"	18" 21" 24" & 27"

NOTE: The frame adds 4" of height to the meter box.

Flat lid with side mounted standard waterworks pentagon nut lock



Lid Part Number	Lid Size
282924	15"
282925	18"

Flat lid--no lock



Lid Part Number	Lid Size
790007	15"
790018	18"

NOTE: These lids cannot be used with lid frames

Flat lid with side mounted key lock and reader lid



Lid Part Number	Lid Size
282922	15"
282923	18"

Flat lid with side mounted key lock



Lid Part Number	Lid Size
282926	15"
282927	18"

Flat lid with side mounted standard waterworks pentagon nut lock and reader lid



Lid Part Number	Lid Size
282876	15"
282877	18"

Flat lid with center mounted MUELLER pentagon nut lock



Lid Part Number	Lid Size
780068	15"
780069	18"

NOTE: These lids cannot be used with lid frames

Flat lid -- no lock with reader lid



Lid Part Number	Lid Size
282920	15"
282921	18"

Lid keys



H-10820

H-10820 Multiple wrench-fits both MUELLER pentagon and standard waterworks pentagon nuts. Not furnished with boxes-order separately.



790241

790241 Key handle - fits "key" lock lids and is used to unlock and lift lid. Not furnished with boxes - order separately.

Thermal shells



Thermal shells are meter setter boxes only and do not include any fittings. The shells are available with a "V" notch option to allow service lines access to shell interior.

Insulating pad



Insulating pads are available in 2" and 4" thicknesses. These pads are made from a closed cell foam poly material that provides excellent insulating qualities and resists moisture absorption.

Meter setter box diameter	2" Thick pad	4" Thick pad
15"	790162	790022
18"	790163	790153
21"	-	790119
24"	790164	-
27"	-	790058

Catalog number		Diameter X depth	Catalog number		Diameter X depth
Shell	Shell with "V" notch		Shell	Shell with "V" notch	
SO1512	SV1512	15"X12"	SO2122	SV2122	21"X22"
SO1514	SV1514	15"X14"	SO2124	SV2124	21"X24"
SO1516	SV1516	15"X16"	SO2126	SV2126	21"X26"
SO1518	SV1518	15"X18"	SO2128	SV2128	21"X28"
SO1520	SV1520	15"X20"	SO2130	SV2130	21"X30"
SO1524	SV1524	15"X24"	SO2136	SV2136	21"X36"
SO1526	SV1526	15"X26"	SO2142	SV2142	21"X42"
SO1528	SV1528	15"X28"	SO2148	SV2148	21"X48"
SO1530	SV1530	15"X30"	SO2154	SV2154	21"X54"
SO1812	SV1812	18"X12"	SO2160	SV2160	21"X60"
SO1814	SV1814	18"X14"	SO2424	SV2424	24"X24"
SO1816	SV1816	18"X16"	SO2426	SV2426	24"X26"
SO1818	SV1818	18"X18"	SO2428	SV2428	24"X28"
SO1820	SV1820	18"X20"	SO2430	SV2430	24"X30"
SO1822	SV1822	18"X22"	SO2436	SV2436	24"X36"
SO1824	SV1824	18"X24"	SO2442	SV2442	24"X42"
SO1826	SV1826	18"X26"	SO2448	SV2448	24"X48"
SO1828	SV1828	18"X28"	SO2454	SV2454	24"X54"
SO1830	SV1830	18"X30"	SO2460	SV2460	24"X60"
SO1836	SV1836	18"X36"	SO2724	SV2724	27"X24"
SO1842	SV1842	18"X42"	SO2730	SV2730	27"X30"
SO1848	SV1848	18"X48"	SO2736	SV2736	27"X36"
SO2112	SV2112	21"X12"	SO2742	SV2742	27"X42"
SO2114	SV2114	21"X14"	SO2748	SV2748	27"X48"
SO2116	SV2116	21"X16"	SO2754	SV2754	27"X54"
SO2118	SV2118	21"X18"	SO2760	SV2760	27"X60"
SO2120	SV2120	21"X20"			

Meter setter box extensions



Meter setter box extensions are made from the same material and has the same wall thickness as the shell it will be set on. The lower end of the extension has guides attached to keep the extension properly centered. The top of the extensions are prepared to accept lids as illustrated on page 8F.10*.

Meter setter box dia.	Extension length					
	2"	4"	6"	8"	10"	12"
15"	SE1502	SE1504	SE1506	SE1508	SE1510	SE1512
18"	SE1802	SE1804	SE1806	SE1808	SE1810	SE1812
21"	SE2102	SE2104	SE2106	SE2108	SE2110	SE2112
24"	SE2402	SE2404	SE2406	SE2408	SE2410	SE2412
27"	SE2702	SE2704	SE2706	SE2708	SE2710	SE2712
30"	SE3002	SE3004	SE3006	SE3008	SE3010	SE3012

* NOTE: Specify the lid part number to be used with the extension ordered.



Above box shown with optional lid ring and lid and is sectioned to illustrate valves and fittings.

The MUELLER / McCullough EZ-VAULT Meter Setters provide a means to quickly install a 1-1/2" or 2" meter. The EZ-VAULT permits cities and water companies to standardize larger meter sets increasing convenience and efficiency during construction. The factory pre-aligned setter is stabilized to prevent shifting during backfilling. This makes it easier and more efficient to install or change out meters at a later time. The EZ-VAULT Meter Setter eliminates on-site fabrication and construction, saving time, material and labor costs.

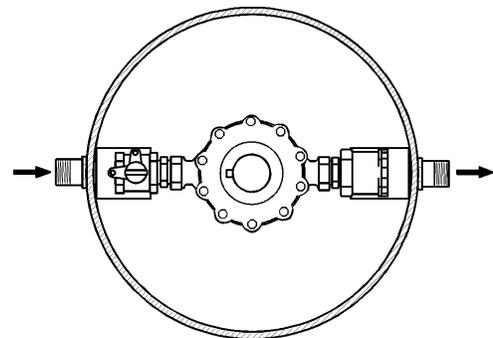
MUELLER / McCullough EZ-VAULT Meter Setters are shipped fully assembled, ready for meter installation. Their light weight saves shipping costs and makes installation a one man job in most cases. Every box is factory tested and has a 150 psig maximum working pressure rating.

The MUELLER / McCullough EZ-VAULT Meter Setter is available for 1-1/2" and 2" meters. A wide variety of end connections, control valves, box depths, lids and other options provide you with the meter set the way you want it. Due to the almost endless combination of features available, each box is custom built to your specifications. See page 8F.8 for ordering instructions.

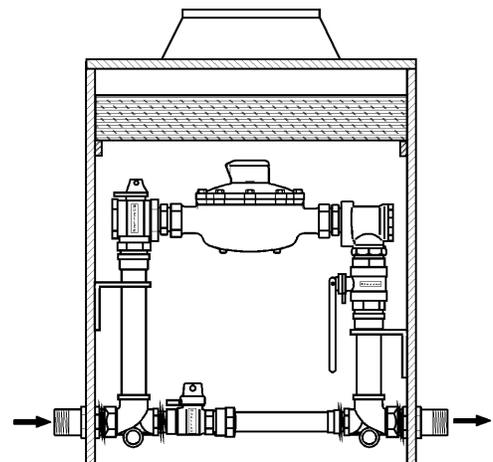
Manufactured under one or more of the following: U.S. Patent No. 4,614,113; 4,813,281

MUELLER / McCullough EZ-VAULT Meter Setter Features

- Rigid .486 minimum wall PVC material holds shape and resists frost bridging
- Lightweight - can be handled by one man in most cases
- White interior aids visibility
- PVC brackets attached to shell stabilize brass meter risers
- For 1-1/2" and 2" meters
- Optional insulation pad traps earth's heat
- Male I.P. thread inlet and outlet connections accept a variety of MUELLER Service Fittings--see section 6
- Optional aluminum bottom available
- 150 psig maximum working pressure



Typical Installation



MUELLER / McCullough EZ-VAULT Meter Setter ordering instructions

To order a MUELLER / McCullough EZ-VAULT Meter Setter, simply choose the options you require from the seven categories listed below and place the option code on the appropriate line of the catalog number shown below.

If you require options not listed, please fill out the information box shown below the options listing and contact the factory for price and delivery information.

Phone 1-800-821-3553 or fax 1-615-895-7686.

Catalog number

(1) _____ (2) _____ (3) _____ (4) _____ (5) _____ (6) _____ (7) _____

1 Meter Size

NOTE: Meter is **not furnished**

Order meter separately.

Meter size	Code number
1-1/2"	500
2"	550

5 Meter inlet type

Meter inlet	Code number
Flanged lockwing angle meter stop	L
Flanged lockwing angle ball valve (full port)	F

2 Box style

Box style	Code number
Single meter	VS
Single meter with by-pass	VB

6 Meter outlet type

Meter outlet	Code number
Flanged meter coupling	A
Flanged dual check valve	B
Flanged lockwing angle stop meter	L
Flanged lockwing angle ball valve (full port)	F

3 Box diameter

Box diameter	Code number
24" box is for use with: 1-1/2" single flanged meter with or without by-pass	24
27" box is used with: 2" single flanged meter with or without by-pass	27

7 Box bottom type

Bottom type	Code number
Attached aluminum bottom	A
Less bottom	B

4 Box depth

Depth	Code number	Depth	Code number
30"	30	48"	48
36"	36	54"	54
42"	42	60"	60

Special requirements order information

Please specify special requirements and include drawing or photo if possible:

MUELLER / McCullough Riser EZ-SETTER Meter Box ordering instructions

To order a MUELLER / McCullough Riser EZ-SETTER Meter Box, simply choose the options you require from the eight categories listed below and place the option code on the appropriate line of the catalog number shown below.

If the box you need is a tandem type, please fill out the tandem information box shown below the options listing and contact the factory for price and delivery information. Phone 1-800-821-3553 or fax 1-615-895-7686.

Catalog number

(1) _____ (2) _____ (3) _____ (4) _____ (5) _____ (6) _____ (7) _____

Options

- 1** Meter size
NOTE:
Meter is **not** furnished.
Order meter separately.

Meter size	Code number
5/8"	200
5/8"x3/4"	203
3/4"	250
1"	330

- 5** Meter inlet type

Meter inlet	Code number
Lockwing angle meter stop	L
Lockwing angle ball valve (full port)	F
Lockwing angle ball valve (reduced port)	R

- 2** Box style

Box style	Code number
Single meter	RS
Double meter	RD
Tandem	RT

- 6** Meter outlet type

Meter outlet	Code number
Meter coupling	A
Dual check valve	B
A.S.S.E. Dual check	S
A.S.S.E. Top entry vertical check	V
Lockwing angle meter stop	L
Lockwing angle ball valve (full port)	F
Lockwing angle ball valve (reduced port)	R

- 3** Box diameter

Box diameter	Code number
18" box is for use with: 5/8, 5/8x3/4, 3/4, 1 single meters 5/8, 5/8x3/4, 3/4 tandems 5/8, 5/8x3/4 or 3/4 double meters	18
21" box is used with: 1 tandems	21"

- 7** Box bottom type

Bottom type	Code number
Attached aluminum bottom	A
Less bottom	B

- 4** Box depth

Depth	Code number	Depth	Code number
14"	14	21"	21
15"	15	22"	22
16"	16	23"	23
17"	17	24"	24
18"	18	25"	25
19"	19	26"	26
20"	20		

- 8** Type of box locking device (box is ordered with device to accept either a non-locking lid, center locking or side locking lid). Lids must be ordered separately.

Lock type	Code number
Non-locking	N
Center locking	L
Side locking	S

Tandem box order information

Type of tandem device (regulator, backflow preventer etc) _____
 Size _____ and length _____ of tandem device
 Tandem device manufacturer's name _____ Tandem device model number _____

NOTE: Tandem device is **not** furnished and must be ordered separately.

MUELLER® / McCULLOUGH® RISER EZ-SETTER® METER BOX

Mueller Co.

8F.5

Rev. 4-99



Above box shown with optional aluminum bottom and is sectioned to illustrate valve and fitting.

The MUELLER / McCullough Riser EZ-SETTER Meter Box provides a means to quickly install a meter. To make the meter more accessible in deeper boxes, the meter is set on a riser which positions it closer to ground level. The Riser EZ-SETTER comes pre-assembled, tested and ready to install. These meter boxes can also be ordered for double meter sets or tandem sets for meter and regulator or meter and backflow preventer.

The body of the meter box is made from rigid PVC which has a high insulating "R" value to resist "frost bridging" inside the box. For extremely cold climates, an optional insulating pad is available which traps the relatively warm air rising from the earth, to keep the meter set from freezing.

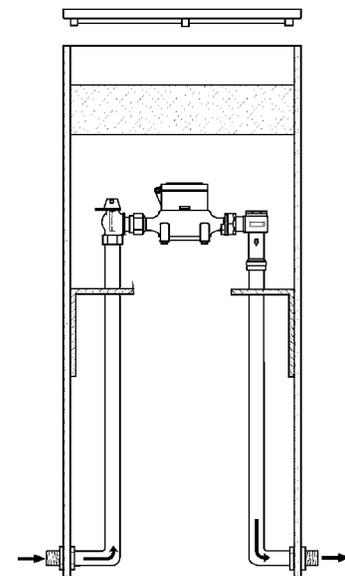
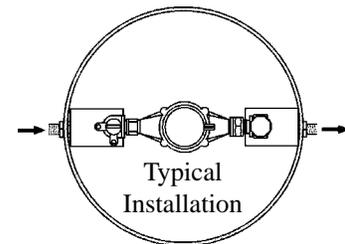
MUELLER / McCullough Riser EZ-SETTER Meter Boxes are shipped fully assembled, ready for meter installation. Their light weight saves shipping costs and makes installation a one man job in most cases. Every box is factory tested and has a 150 psig maximum working pressure rating.

MUELLER / McCullough Riser EZ-SETTER Meter Boxes are available for 5/8" to 1" meters. A wide variety of end connections, control valves, box depths, lids and other options provide you with the meter set that you want. Due to the almost endless combination of features available, each box is custom built to your specifications. See page 8F.6 for ordering instructions.

Manufactured under one or more of the following: U.S. Patent No. 4,614,113; 4,813,281

MUELLER / McCullough Riser EZ-SETTER Meter Box Features

- Rigid .300 minimum wall PVC material holds shape and resists frost bridging
- Optional insulation pad traps earth's heat
- White interior aids visibility
- Meter set is anchored to meter box wall to maintain alignment and stability
- Male I.P. thread inlet and outlet connections accept a variety of MUELLER Service Fittings--see section 6
- Optional aluminum bottom available
- Large selection of optional lids



8F-PVC/BOXES/AULTS



Above box shown with optional aluminum bottom and is sectioned to illustrate internal valve and fitting.

The MUELLER / McCullough Inline EZ-SETTER Meter Box provides a means to quickly install a shallow set meter. The in-line EZ-SETTER comes pre-assembled, tested and ready to install. These meter boxes can also be ordered for double meter sets or tandem sets for meter and regulator or meter and backflow preventer.

The body of the meter box is made from rigid PVC which has a high insulating "R" value to resist "frost bridging" inside the box. For extremely cold climates, an optional insulating pad is available which traps the relatively warm air rising from the earth, to keep the meter set from freezing.

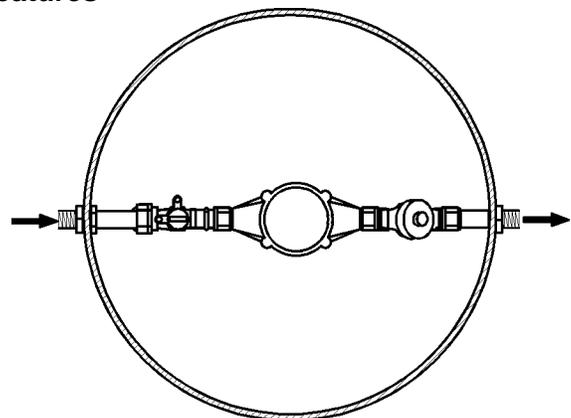
MUELLER / McCullough Inline EZ-SETTER Meter Boxes are shipped fully assembled, ready for meter installation. Their light weight saves shipping costs and makes installation a one man job in most cases. Every box is factory tested and has a 150 psig maximum working pressure rating.

The MUELLER / McCullough Inline EZ-SETTER Meter Box is available for 5/8" to 1" meters. A wide variety of end connections, control valves, box depths, lids and other options provide you with the meter set that you want. Due to the almost endless combination of features available, each box is custom built to your specifications. See page 8F.4 for ordering instructions.

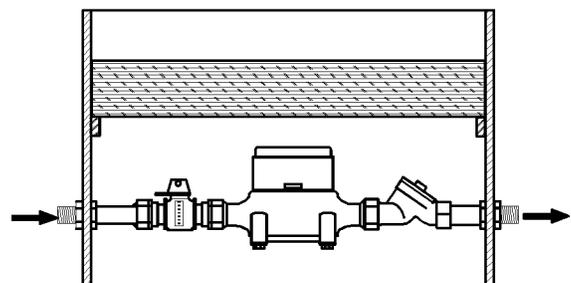
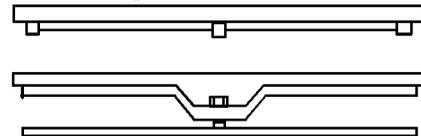
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MUELLER / McCullough Inline EZ-SETTER Meter Box Features

- Rigid .300 minimum wall PVC material holds shape and resists frost bridging
- Optional insulation pad traps earth's heat
- White interior aids visibility
- Meter set is anchored to meter box wall to maintain alignment and stability
- Male I.P. thread inlet and outlet connections accept a variety of MUELLER Service Fittings – see section 6
- Optional aluminum bottom available
- Large selection of optional lids



Typical Installation



MUELLER / McCullough Inline EZ-SETTER Meter Box ordering instructions

To order a MUELLER / McCullough Inline EZ-SETTER Meter Box, simply choose the options you require from the eight categories listed below and place the option code on the appropriate line of the catalog number shown below.

Contact the factory for price and delivery information for double and tandem type boxes and other options not listed. Phone 1-800-821-3553 or fax 1-615-895-7686.

(1) _____ (2) _____ (3) _____ (4) _____ (5) _____ (6) _____ (7) _____ (8) _____

Options

1 Meter size
NOTE:
Meter is **not** furnished and must be ordered separately.

Meter size	Code number
5/8"	200
5/8"x3/4"	203
3/4"	250
1"	330

5 Meter inlet type

Meter inlet	Code number
Lockwing meter valve	L
Lockwing ball valve (full port)	F
Lockwing ball valve (reduced port)	R

2 Box style

Box style	Code number
Single meter	IS

6 Meter outlet type

Meter outlet	Code number
Meter coupling	A
Dual check valve *	B
A.S.S.E. Dual check valve *	S
Lockwing meter valve *	L
Lockwing ball valve (full port) *	F
Lockwing ball valve (reduced port) *	R

3 Box diameter

Box diameter	Code number
15" box with meter coupling outlet for use with: 5/8, 5/8x3/4 single meters	15
18" box with meter coupling outlet for use with: 3/4, 1 single meters	18
18" box with lockwing meter valve or dual check valve outlet for use with: 5/8, 5/8x3/4 or 3/4 single meters	18
21" box with lockwing meter valve or dual check valve outlet for use with: 1 single meters	21

7 Box bottom type

Bottom type	Code number
Attached aluminum bottom	A
Less bottom	B

4 Box depth

Depth	Code number	Depth	Code number
10"	10	15"	15
11"	11	16"	16
12"	12	17"	17
13"	13	18"	18
14"	14		

8 Type of box locking device (box is ordered with device to accept either a non-locking lid, center locking or side locking lid). Lids must be ordered separately.

Lock type	Code number
Non-locking	N
Center locking	L
Side locking	S

* These meter outlet types may require using larger size box. Contact MUELLER Customer Service Center for more details.

MUELLER / McCullough THERMAL-COIL Meter Box ordering instructions

To order a MUELLER / McCullough THERMAL - COIL Meter Box, simply choose the options you require from the eight categories listed below and place the option code on the appropriate line of the catalog number shown below.

If the box you need is a tandem type, please fill out the tandem information box shown below the options listing and contact the factory for price and delivery information. Phone 1-800-821-3553 or fax 1-615-895- 7686.

Catalog Number

(1)_____ (2)_____ (3)_____ (4)_____ (5)_____ (6)_____ (7)_____ (8)_____

Options

1 Meter size

NOTE: Meter is **not** furnished. Order meter separately.

Meter size	Code number
5/8"	200
5/8"x3/4"	203
3/4"	250
1"	330

5 Meter inlet type

Meter inlet	Code number
Lockwing angle meter stop	L
Lockwing angle ball valve (full port)	F
Lockwing angle ball valve (reduced port)	R

2 Box Style

Box style	Code number
Single meter	CS
Double meter	CD
Tandem	CT

6 Meter outlet type

Meter outlet	Code number
Meter coupling	A
Dual check valve	B
A.S.S.E. Dual check valve	S
A.S.S.E. Top entry vertical check	V
Lockwing angle meter stop	L
Lockwing angle ball valve (full port)	F
Lockwing angle ball valve (reduced port)	R

3 Box diameter

Box diameter	Code number
15" box is for use with: 5/8, 5/8x3/4 or 3/4 single meters 5/8, 5/8x3/4 or 3/4 tandems *	15
18" box is for use with: 1" single meters 1" tandems 5/8, 5/8x3/4 or 3/4 double meters	18

7 Box bottom type

Bottom type	Code number
Attached aluminum bottom	A
Less bottom	B

4 Box depth

Depth	Code number	Depth	Code number
30"	30	66"	66
36"	36	72"	72
42"	42	78"	78
48"	48	84"	84
54"	54	90"	90
60"	60	96"	96

8 Type of box locking device (box is ordered with device to accept either a non-locking lid, center locking or side locking lid). Lids must be ordered separately.

Lock type	Code number
Non-locking	N
Center locking	L
Side locking	S

Tandem box order information

Type of tandem device (regulator, backflow preventer etc) _____
 Size _____ and length _____ of tandem device
 Tandem device manufacturer's name _____ Tandem device model number _____

* NOTE: Tandem device is not included and must be purchased separately. ALSO, 3/4" tandems systems when used with certain regulators may need to be placed within a 18" box; list the regulator model when specifying this system. If an ASSE check valve or ball valve is being used in a 3/4" setting then an 18" meter box will be required.