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THE FORD METER BOX COMPANY, INC.
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Section FA

Ford® Plastic Pit Setters



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Due to design improvements, product images in the catalog do not always reflect the most current design detail.

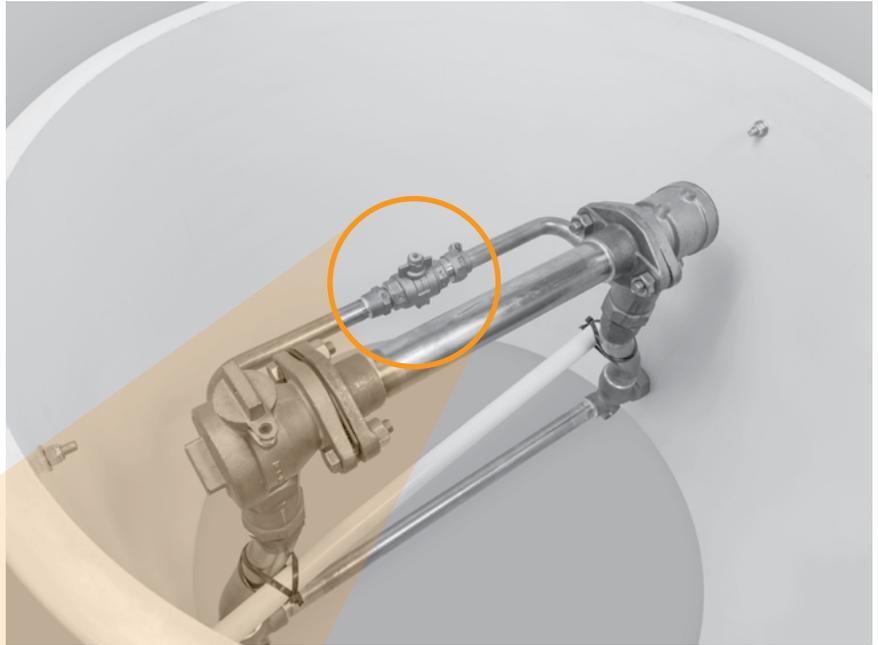
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Locking Valves for Pit Setters

Secura-Lok™ Valves for Pit Setters

(Patent Number 10,794,514)

Whether you choose to lock a pit setter open, closed or operational, secure your decision with Ford Secura-Lok™ locking valves. Available on the inlet, outlet or by-pass valve.



Secura-Lok Options

PART NUMBER CODE	DESCRIPTION	EXAMPLE
SB1	Barrel-style Secura-Lok on inlet valve only	PFCBH-288-15-36-SB1-NL
SB2	Barrel-style Secura-Lok on inlet and outlet valves	PSBB-188-18-48-SB2-NL
SB3	Barrel-style Secura-Lok on inlet, outlet and by-pass valves	PMBB-688-36HB-36-SB3-NL
SB4	Barrel-style Secura-Lok on by-pass valve only	PDVH-788-36HB-42-SB4-NL

To order Secura-Lok™ valves on Ford Pit Setters, insert the "SB" code into the part number.

Note: Due to the wide variety of pit setter configurations, please contact customer service for a specific part number

Ford Plastic Pit Setter Numbering System

For Copper Riser Plastic Pit Setters.

See page 21 for Coil Pit numbering system.

TYPE OF PLASTIC SETTER

PS = Standard for Single Lid Cover
PD = Standard for Double Lid Cover
***PTS** = Tandem for Single Lid Cover
***PTD** = Tandem for Double Lid Cover
***PDS** = Dual Service for Single Lid Cover
***PDD** = Dual Service for Double Lid Cover
PM = Pit Setter for Monitor Cover (36" tile size only)

* 20" pit recommended for 5/8"-3/4" meters
 Not recommended for 1" meters

INLET VALVE TYPE

****B** = Angle Ball Valve
V = Angle Key Valve
‡G = Angle Compression Valve

METER SIZE (INLET - OUTLET SIZE)

1 = 5/8" (3/4")
 2 = 5/8" x 3/4" (3/4")
 3 = 3/4" (3/4")
 4 = 1" (1")
 6 = 1-1/2" (1-1/2")
 7 = 2" (2")

(The number in parentheses is the standard inlet-outlet size for a given meter size.)

PIT DIAMETER & DEPTH

****18-36** = 18" x 36"
****18-48** = 18" x 48"
****18-60** = 18" x 60"
****18-72** = 18" x 72"
20-36 = 20" x 36"
20-48 = 20" x 48"
20-60 = 20" x 60"
20-72 = 20" x 72"
*****36HB-36** = 36" x 36"
*****36HB-42** = 36" x 42"
*****36HB-48** = 36" x 48"
*****36HB-54** = 36" x 54"
*****36HB-60** = 36" x 60"
*****36HB-66** = 36" x 66"
*****36HB-72** = 36" x 72"
*****36HB-78** = 36" x 78"

** Not available for 3/4" or 1" meters
 ***Available only for 1-1/2" and 2" meters.
 Contact factory for other tile options.

PSBH-222-18-72-NL

OUTLET VALVE TYPE

****B** = Angle Ball Valve
•V = Angle Key Valve
‡G = Angle Compression Valve
H = Angle Check Valve
ΔHH = Angle Cascading Dual Check Valve
*****‡HC** = Angle Cartridge Dual Check Valve

TYPES OF INLET-OUTLET (One End - Other End)

‡2 = Flare Copper Tube Nut
‡4 = Pack Joint for Plastic or Copper Tube (CTS)
8 = Male Iron Pipe Threads

OPTIONS

Add "-G" to the end of the catalog number for Grip Joint for CTS.
 Example: PSBH-244-18-72-G-NL

Add "-TP6" for 1-1/2" integral test port on Dual Check Valve for 1-1/2" and 2" Pit Setters with a shut-off valve below the Dual Check Valve.

For 12" adjustable pit extension, add "E" and the pit height range to the part number. Example: PSBH-222-18E-60-72-NL

-NL = No-Lead Alloy ▲

- 1-1/2" and 2" outlet ball valves may be used as customer shut-offs (on the customer side of the meter). The flange inverted key angle valves should **not** be used as customer shut-off on the customer side of the meter.
- ‡ Not available with 1-1/2" and 2" Pit Setters.
- Δ 1" Angle Cascading Check Valve contains 3/4" internal components.
- ** The 5/8" port angle Ball Valve is a one-way directional valve designed for the inlet of the meter and should not be used as a customer shut-off on the customer side of the meter. 5/8"x3/4", 3/4" & 1" setters with angle ball valves will be reduced port unless otherwise specified. Reduced port valves usually provide suitable water flow. Add "-FP" to the end of catalog number for full port.
- *** Cartridges with enhanced chlorine/chloramine resistance are available. Add "CR" to the end of the alpha code.
 Example: PSBHCCR-344-20-36-NL. Cartridge style dual checks not available with 1-1/2" and 2" Pit Setters.

▲ Ford Meter Box no-lead brass products manufactured from UNS/CDA No. 89833 alloy shall contain no more than 0.25% total lead content by weight. United States federal and state laws allow the use of products manufactured from UNS C83600 85-5-5-5 brass alloy for only non-potable water systems within the United States..

Parties responsible for monitoring and maintaining proper water system design must exercise full responsibility in understanding and upholding the full intent and scope of applicable lead laws.

Introduction

The setting of meters outdoors in covered pits is an idea that dates back to the late 19th century when Edwin Ford, founder of The Ford Meter Box Company, Inc., first utilized this principle to meter the town of Hartford City, Indiana. Mr. Ford's idea has been modified extensively over the intervening years, but the pit setting remains one of the most popular ways of installing meters.

Outdoor meter pit settings offer the utility a number of advantages, including easy access to the meter, protection and control of the meter setting device and a clear division of responsibility for maintaining the utility's and the customer's service line. However, cost considerations have led many utilities to install pit settings that have been less than satisfactory and which become maintenance and freeze-up problems.

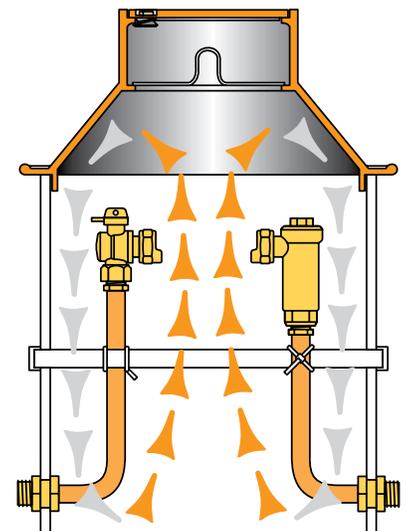
Introduced in 1981, the Ford Plastic Pit Setter offers a real cost-saving alternative to the standard "build-your-own" pit setting. Constructed of high-quality 15", 18", 20" or 36" PVC pipe, the Plastic Pit Setter has the service lines attached firmly to the pit walls, with all the valves and meter coupling materials necessary to install the meter as part of the total package. Installation of the Ford Plastic Pit Setter is easy. Simply dig an appropriately sized hole, connect your inlet and outlet piping to the connections at the bottom of the box, place a cover on top, and complete the job of installing a meter.

In the pages that follow, we will describe the principles of a good meter setting device and offer engineering drawings of standard plastic pit type settings. We are not limited to the styles and sizes shown in this catalog section. Our production methods allow us to custom build plastic pit settings for practically any conceivable requirement.

Principles of Meter Pit Design

One of the most important jobs of a meter pit setting in northern climates is to prevent meter and service line freeze-ups during the winter months. Several factors affect freezing in meter pits. These are air temperature, snow cover, type of soil, temperature of the service water, and the frequency of customer water consumption. The theory of pit design is that the depth of the service shall be below that of the lowest frost line and the heat from the base of the meter pit shall circulate and keep the meter setting above it from freezing. If the base of the meter pit is above the frost line, the only thing that would keep the meter from freezing is the continuous use of the service during the winter months.

Not only should meter pits be deep, but they also should be sufficiently wide. Larger diameter pits may allow a greater loss of heat through the pit walls, but that is more than compensated for by the increased amount of warm air generated by warm soil exposed at the base of the pit. Furthermore, the large diameter provides greater clearance between the cold pit walls and the riser pipes. If these pipes are allowed to touch the walls, the pipes will freeze, the flow of water will stop and meter or valve damage will likely result. In the Ford Plastic Pit Setter, the service lines are kept at a minimum of 2" from the pit wall, thus providing important protection.



The top of the pit is equally important. In colder climates, a double lid cover such as our Wabash Cover is desirable, as it provides a dead air space between the top lid and the interior of the pit. This "dead air" acts as an insulator, retaining ground heat and keeping outside cold from entering. The Ford Plastic Pit Setter offers the Wabash Cover as an option. Also available are single lid iron covers or single lid plastic covers for climates that are less severe. Most Ford covers are "hat shaped" (wider at the base than at the top) which exposes as little surface area as possible to the cold outside air. Flat cast iron covers, for mild climates, are also available. See Ford Catalog Section D.

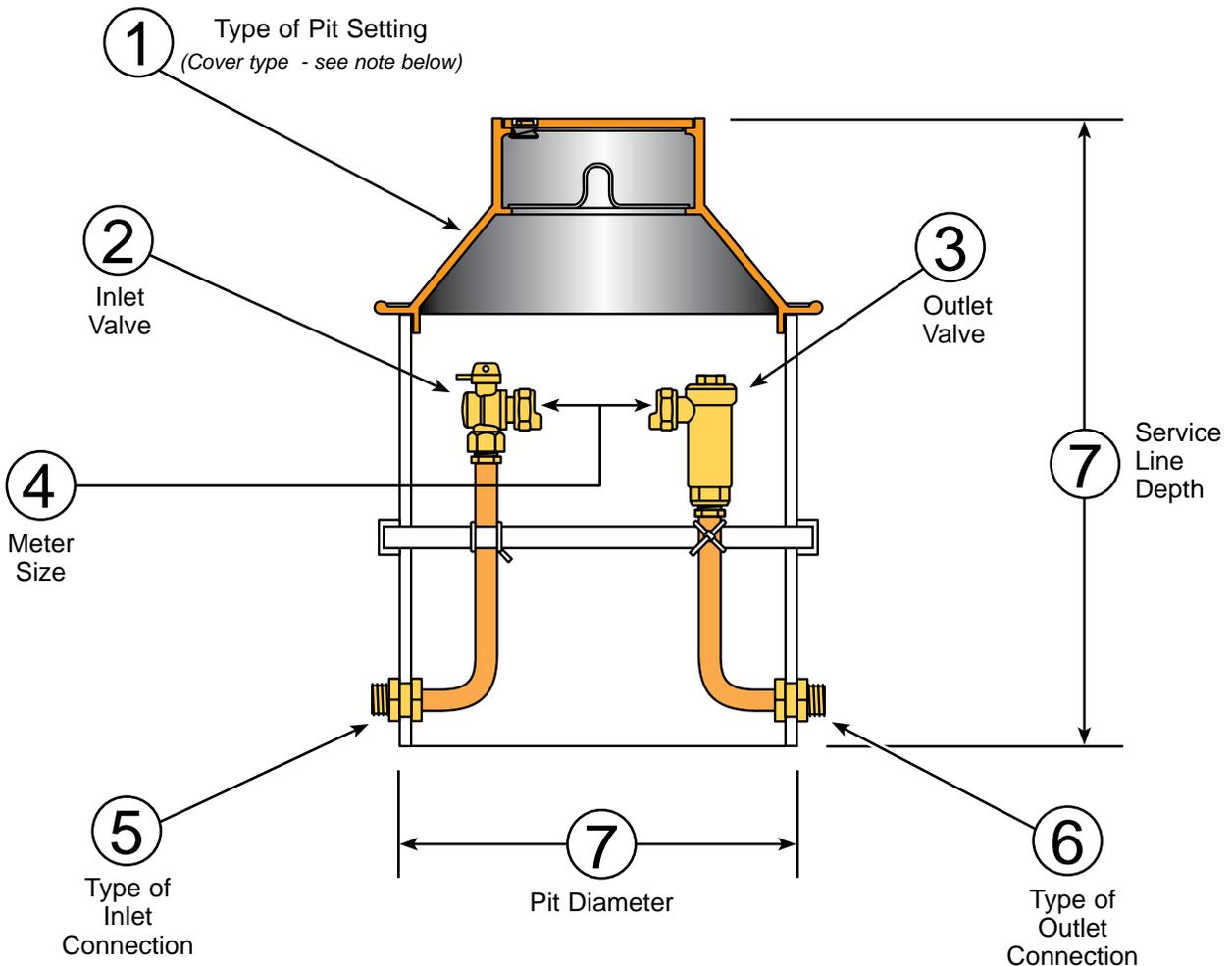
In summary, the basic points of meter pit design provided by Ford Plastic Pit Setters are as follows: (1) Keep the meter pit depth below the deepest frost penetration line; (2) Keep the meter pit diameter sufficiently large to provide a good base of warm soil as well as to prevent pipe from freezing due to "frost jump" from the pit walls; (3) Use a hat shaped meter pit cover, with an inner lid where necessary.

These pit setting principles have been proven in over a century of outdoor pit design. The Ford Plastic Pit Setter is designed around these conservative principles in order that you, the utility customer, will not be faced with the expense of frozen services and unhappy customers. Remember, don't cut corners with pit settings that are too shallow or too small in diameter.

Plastic Pit Setter for Moderate to Cold Climates

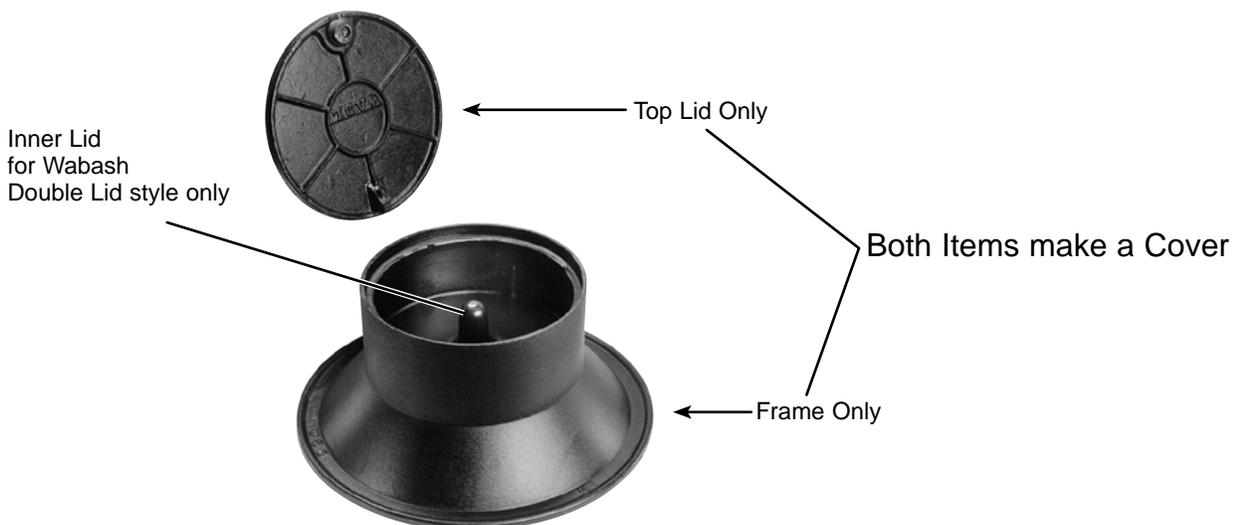
For 5/8", 5/8"x3/4", 3/4" and 1" Meters

How To Order A Plastic Pit Setter



NOTE: A wide variety of 18" and 20" covers can be purchased for Plastic Pit Setters. A complete selection of covers with their specifications and available options are listed in Ford Catalog Section D and must be ordered separately. An abbreviated selection of covers is shown on pages FA-16 and FA-17 of this catalog section.

See pages 10 & 11 for configuration and dimensional information.

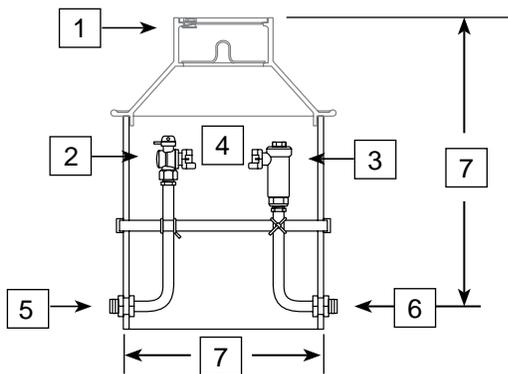


Plastic Pit Setter for Moderate to Cold Climates

For 5/8" or 5/8"x3/4" Meters

How To Order A Plastic Pit Setter

1. What type of pit setting is required?
- +
2. What type of inlet valve is required?
- +
3. What type of outlet valve is required?
- + (Insert dash)
4. What meter size is required?
- +
5. What type of inlet connection is required?
(see note below)
- +
6. What type of outlet connection is required?
(see note below)
- + (Insert dash)
7. What pit diameter and depth is required?
(Depth is measured from ground level to service line.
The service line is 2" higher than bottom of pit setter.)



HOW TO ORDER A PLASTIC PIT SETTER:

Answer each question to create a catalog number. The catalog codes will build the **Plastic Pit Setter** that meets your setting requirements.

PART NUMBER EXAMPLE:

PSBH-222-18-72-NL = a standard single lid style plastic pit setter with an inlet angle ball valve, outlet angle check valve, 5/8"x3/4" meter, inlet connection for flared copper, outlet connection for flared copper and a pit diameter and depth of 18"x72".

A variety of inlet and outlet couplings for copper, PEP, PVC and lead are available. See catalog section J. Engineering drawings are available for standard and/or custom pit setter designs.

Note: Inlet and outlet connections are 3/4" in size, for 5/8", and 5/8"x3/4" meter settings on 5/8" x 3/4" dual setters, inlet will be 1" with two 3/4" outlets, unless otherwise specified.

Female iron pipe by Pack Joint couplings are available for a variety of inlet/outlet combinations (see catalog section J) and are sold separately. Covers are sold separately in catalog section D.

Setting Type	Code
Standard for Single Lid Cover	PS
Standard for Double Lid Cover	PD
*** Tandem for Single Lid Cover	PTS
*** Tandem for Double Lid Cover	PTD
*** Dual Service Line for Single Lid Cover	PDS
*** Dual Service Line for Double Lid Cover	PDD

Inlet Valve Type	Code
Angle Key Valve	V
▼ Angle Ball Valve	B
Angle Compression Valve	G
No Inlet Valve	-

Outlet Valve Type	Code
▼ Angle Ball Valve	B
Angle Key Valve	V
Angle Compression Valve	G
Angle Check Valve	H
Angle Dual Check Valve	HH
* Angle Cartridge Dual Check Valve	HC
No Outlet Valve	-

Meter Size	Code
5/8" Meter	1
5/8" x 3/4" Meter	2

3/4" Inlet Type	Code
Flared Copper	2
PET/CTS Pack Joint	4
◆ Male Iron Pipe	8

3/4" Outlet Type	Code
Flared Copper	2
PET/CTS Pack Joint	4
Male Iron Pipe	8

◆ 1" MIP inlet only on 5/8" x 3/4" Dual Setters

Pit Diameter and Depth	Smooth Wall Tile Code	Corrugated Tile Code
18" x 36"	18-36-NL	18C-36-NL
18" x 48"	18-48-NL	18C-48-NL
18" x 60"	18-60-NL	18C-60-NL
18" x 72"	18-72-NL	18C-72-NL
20" x 36"	20-36-NL	**20C-36-NL
20" x 48"	20-48-NL	**20C-48-NL
20" x 60"	20-60-NL	**20C-60-NL
20" x 72"	20-72-NL	**20C-72-NL

Contact factory for other pit dimensions and types not listed.

Grip Joint for CTS and PEP can be ordered by adding "-G" to the catalog number.

* Cartridges available with enhanced chlorine/chloramine resistance. Add "CR" to the end of the alpha code. Example: PSBCHCR-288-20-36-NL.

** Pitsetters manufactured from 20" corrugated tile require Ford iron covers for 21" ID Tile.

*** 20" pit diameter is recommended for Tandem and Dual Settings.

▼ 5/8"x3/4", 3/4" and 1" setters with angle ball valve will be reduced port unless otherwise requested. Reduced port valves usually provide suitable water flow. (Add "-FP" to the end of the catalog number for full port.) The 5/8" port angle ball valve is a one-way directional valve designed for the inlet side of the meter and should not be used as a customer shut-off on the customer side of the meter.

Plastic Pit Setter for Moderate to Cold Climates

For 3/4" Meters

See pages 10 and 11 for configuration and dimensional information.

How To Order A Plastic Pit Setter

1. What type of pit setting is required?
- +
2. What type of inlet valve is required?
- +
3. What type of outlet valve is required?
- + (Insert dash)
4. What meter size is required?
- +
5. What type of inlet connection is required?
(see note below)
- +
6. What type of outlet connection is required?
(see note below)
- + (Insert dash)
7. What pit diameter and depth is required?
(Depth is measured from ground level to service line.
The service line is 2" higher than bottom of pit setter.)

Setting Type	Code
Standard for Single Lid Cover	PS
Standard for Double Lid Cover	PD
Tandem for Single Lid Cover	PTS
Tandem for Double Lid Cover	PTD

Inlet Valve Type	Code
Angle Key Valve	V
▼ Angle Ball Valve	B
Angle Compression Valve	G
No Inlet Valve	-

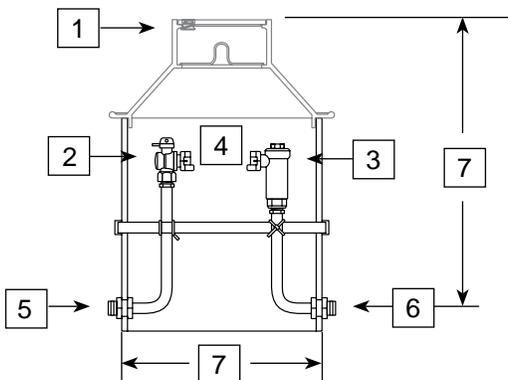
Outlet Valve Type	Code
▼ Angle Ball Valve	B
Angle Key Valve	V
Angle Compression Valve	G
Angle Check Valve	H
Angle Dual Check Valve	HH
* Angle Cartridge Dual Check Valve	HC
No Outlet Valve	-

Meter Size	Code
3/4" Meter	3

3/4" Inlet Type	Code
Flared Copper	2
PET/CTS Pack Joint	4
Male Iron Pipe	8

3/4" Outlet Type	Code
Flared Copper	2
PET/CTS Pack Joint	4
Male Iron Pipe	8

Pit Diameter and Depth	Smooth Wall Tile Code	**Corrugated Tile Code
20" x 36"	20-36-NL	** 20C-36-NL
20" x 48"	20-48-NL	** 20C-48-NL
20" x 60"	20-60-NL	** 20C-60-NL
20" x 72"	20-72-NL	** 20C-72-NL



Contact factory for other pit dimensions and types not listed.

Grip Joint for CTS and PEP can be ordered by adding "-G" to the catalog number.

* Cartridges with enhanced chlorine/chloramine resistance are available. Add "CR" to the end of the alpha code. Example: PSBHCCR-388-20-36-NL.

** Pitsetters manufactured from 20" corrugated tile require Ford iron covers for 21" ID Tile.

▼ 5/8"x3/4", 3/4" and 1" setters with angle ball valve will be reduced port unless otherwise requested. Reduced port valves usually provide suitable water flow. (Add "-FP" to the end of the catalog number for full port.) The 5/8" port angle ball valve is a one-way directional valve designed for the inlet side of the meter and should not be used as a customer shut-off on the customer side of the meter.

HOW TO ORDER A PLASTIC PIT SETTER:

Answer each question to create a catalog number. The catalog codes will build the **Plastic Pit Setter** that meets your setting requirements.

PART NUMBER EXAMPLE:

PSBH-322-20-72-NL = a standard single lid style plastic pit setter with an inlet angle ball valve, outlet angle check valve, 3/4" meter, inlet connection for flared copper, outlet connection for flared copper and a pit diameter and depth of 20"x72".

Note: Inlet and outlet connections are 3/4" in size, for 3/4" meter settings, unless otherwise specified.

Female iron pipe by Pack Joint couplings are available for a variety of inlet/outlet combinations (see catalog section J) and are sold separately.

Covers are sold separately in catalog section D.

Plastic Pit Setter for Moderate to Cold Climates

For 1" Meters

See pages 10 and 11 for configuration and dimensional information.

How To Order A Plastic Pit Setter

1. What type of pit setting is required?
+
2. What type of inlet valve is required?
+
3. What type of outlet valve is required?
+ (Insert dash)
4. What meter size is required?
+
5. What type of inlet connection is required?
(see note below)
+
6. What type of outlet connection is required?
(see note below)
+ (Insert dash)
7. What pit diameter and depth is required?
(Depth is measured from ground level to service line.
The service line is 2" higher than bottom of pit setter.)

Setting Type	Code
Standard for Single Lid Cover	PS
Standard for Double Lid Cover	PD

Inlet Valve Type	Code
Angle Key Valve	V
▼ Angle Ball Valve	B
No Inlet Valve	-

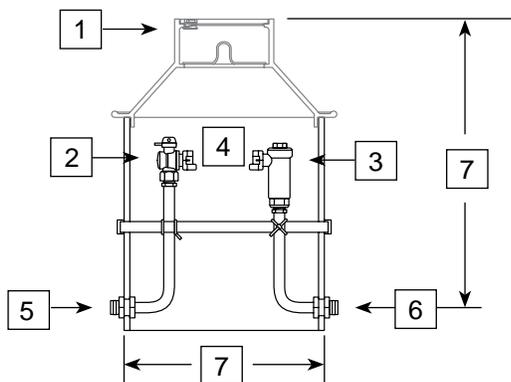
Outlet Valve Type	Code
▼ Angle Ball Valve	B
Angle Key Valve	V
Angle Check Valve	H
* Angle Cartridge Dual Check Valve	HC
■ Angle Dual Check Valve	HH
No Outlet Valve	-

Meter Size	Code
1" Meter	4

1" Inlet Type	Code
Male Iron Pipe	8

1" Outlet Type	Code
Male Iron Pipe	8

Pit Diameter and Depth	Smooth Wall Tile Code	**Corrugated Tile Code
20" x 36"	20-36-NL	** 20C-36-NL
20" x 48"	20-48-NL	** 20C-48-NL
20" x 60"	20-60-NL	** 20C-60-NL
20" x 72"	20-72-NL	** 20C-72-NL



Contact factory for other pit dimensions and types not listed.

* Cartridges with enhanced chlorine/chloramine resistance are available. Add "CR" to the end of the alpha code. Example: PSBHCCR-488-20-36-NL.

** Pitsetters manufactured from 20" corrugated tile require Ford iron covers for 21" ID Tile.

▼ 5/8"x3/4", 3/4" and 1" setters with angle ball valve will be reduced port unless otherwise requested. Reduced port valves usually provide suitable water flow. (Add "-FP" to the end of the catalog number for full port.) The 5/8" port angle ball valve is a one-way directional valve designed for the inlet side of the meter and should not be used as a customer shut-off on the customer side of the meter.

■ Angle cascading dual check valves contain 3/4" internal components. This valve meets the ASSE flow requirements of a 1" valve. For a full port valve, order the cartridge style check valve.

HOW TO ORDER A PLASTIC PIT SETTER:

Answer each question to create a catalog number. The catalog codes will build the **Plastic Pit Setter** that meets your setting requirements.

PART NUMBER EXAMPLE:

PSBH-488-20-60-NL = a standard single lid style plastic pit setter with an inlet angle ball valve, outlet angle check valve, 1" meter, inlet connection for male iron pipe, outlet connection for male iron pipe and a pit diameter and depth of 20"x 60".

Note: Inlet and outlet connections are 1" in size, for 1" meter settings, unless otherwise specified.

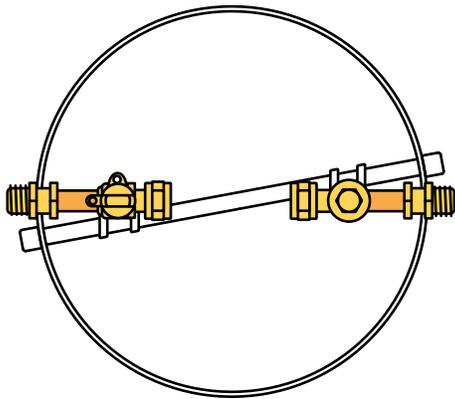
Female iron pipe by Pack Joint couplings are used to provide 1" PET, PEP or PVC inlet/outlet combinations (see catalog section J) and are sold separately.

Covers are sold separately in catalog section D.

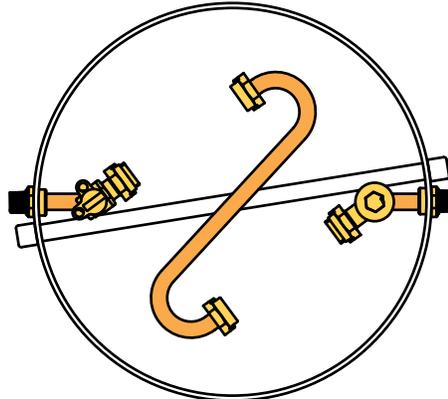
Plastic Pit Setter for Moderate to Cold Climates

For 5/8", 5/8"x3/4", 3/4" and 1" Meters (Configuration and Dimensional Information)

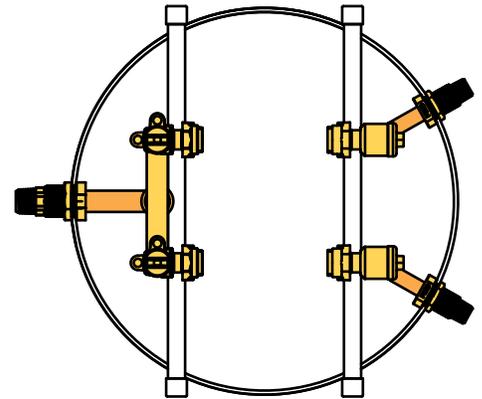
Plastic Pit Setter Design for Single Lid Type (Cover with a 4" depth)



Single Meter Setting



Tandem Setting



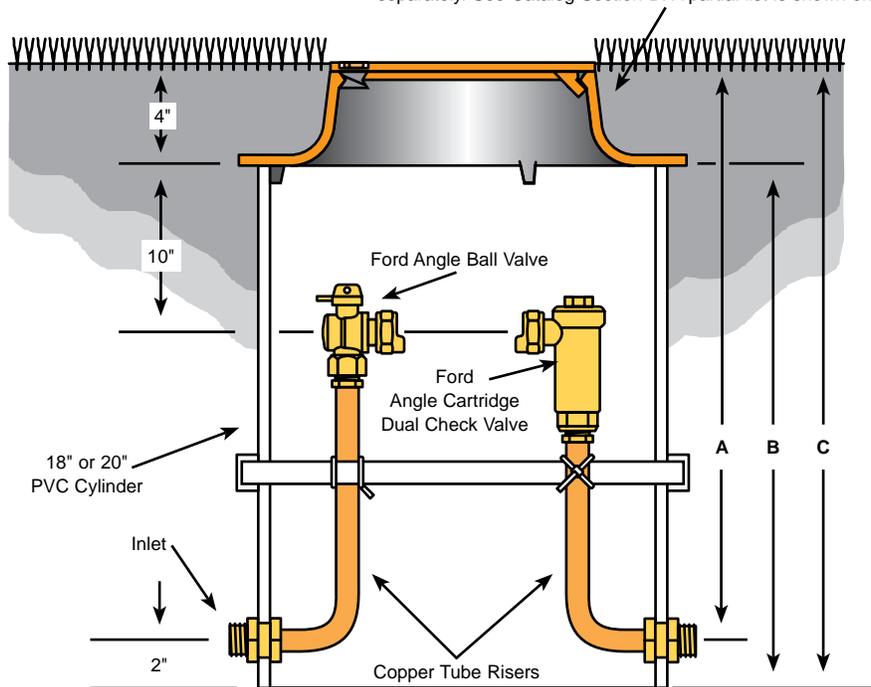
Dual Setting

Vertical Measurements

(Pit Diameter is 18" or 20")

Pit Depth	Service Line Depth "A"	PVC Cylinder Length "B"	Total Pit Depth "C"
3 Ft. Pit	36"	34"	38"
4 Ft. Pit	48"	46"	50"
5 Ft. Pit	60"	58"	62"
6 Ft. Pit	72"	70"	74"

Ford Type "A", "C", "X" or "PMBC-3" Single Lid Cover with a 4" depth. (Covers sold separately. See Catalog Section D. A partial list is shown on pages 16 and 17.)

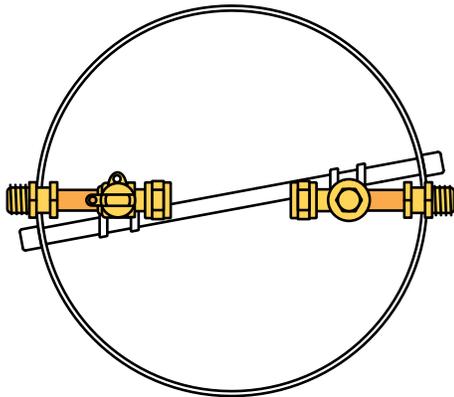


The drawing above shows a Plastic Pit Setter with optional Inlet Angle Ball Valve and Outlet Angle Cartridge Dual Check Valve.

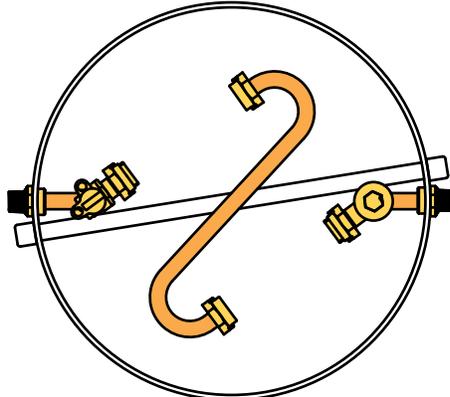
Plastic Pit Setter for Cold Climates

For 5/8", 5/8"x3/4", 3/4" and 1" Meters (Configuration and Dimensional Information)

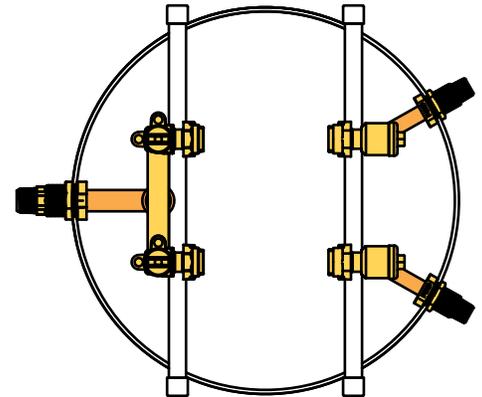
Plastic Pit Setter Design for Double Lid Type (Cover with a 10" depth)



Single Meter Setting



Tandem Setting



Dual Setting

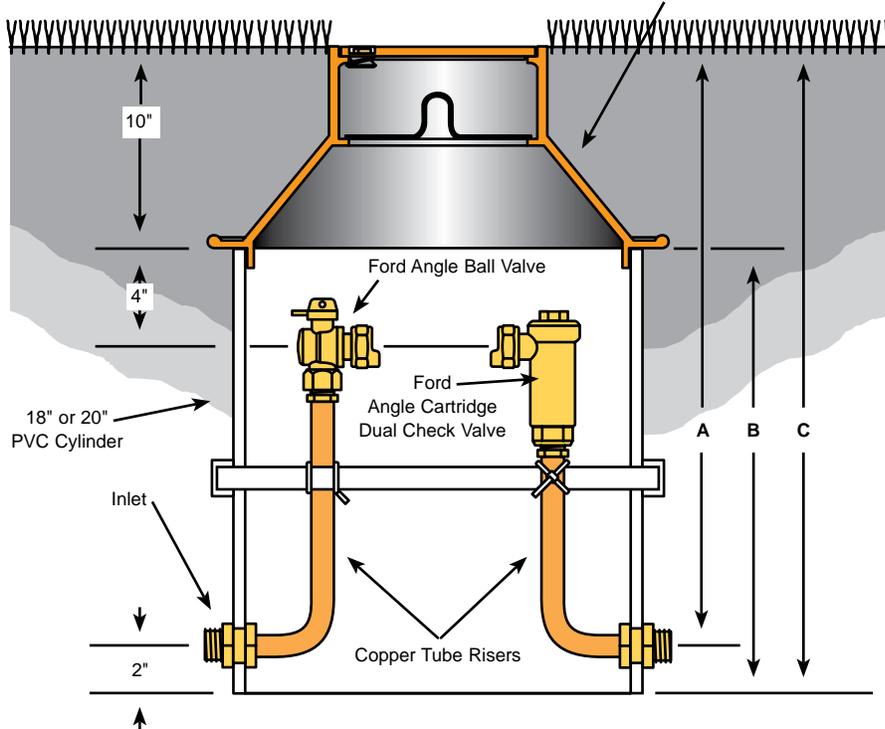
Vertical Measurements

(Pit Diameter is 18" or 20")

Pit Depth	Service Line Depth "A"	PVC Cylinder Length "B"	Total Pit Depth "C"
3 Ft. Pit	36"	28"	38"
4 Ft. Pit	48"	40"	50"
5 Ft. Pit	60"	52"	62"
6 Ft. Pit	72"	64"	74"

Ford Type "W" Wabash Double Lid Cover with a 10" depth. (Covers sold separately. See Catalog Section D. A partial list is shown on pages 16 and 17.)

Special meter depth should be considered when using Double Lid Covers along with insulating discs. Contact factory for further information.

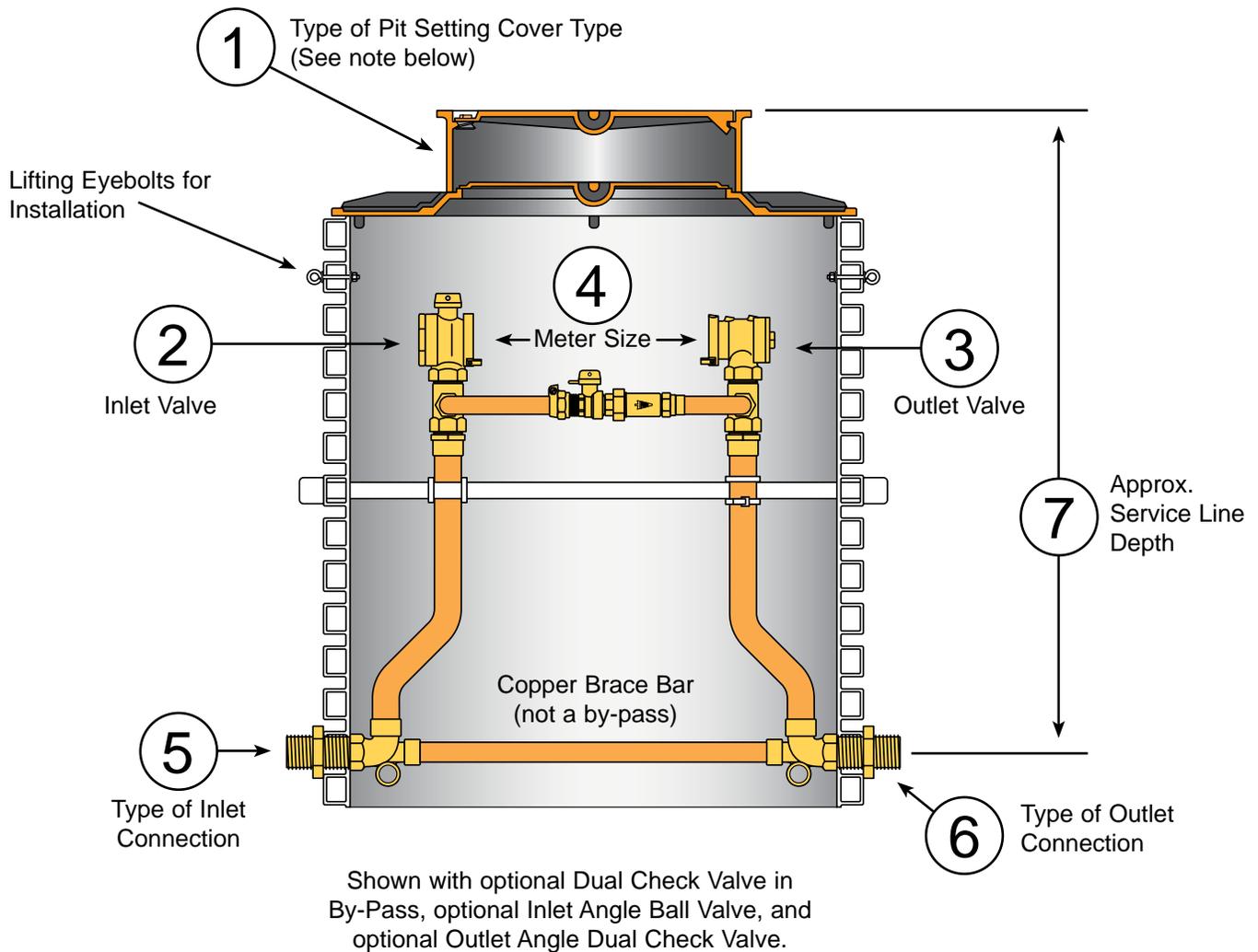


The drawing above shows a Plastic Pit Setter with optional Inlet Angle Ball Valve and Outlet Angle Cartridge Dual Check Valve.

Plastic Pit Setters for 1½" and 2" Meters

For Flanged Meter Settings

See pages 14 & 15 for configuration and dimensional information.

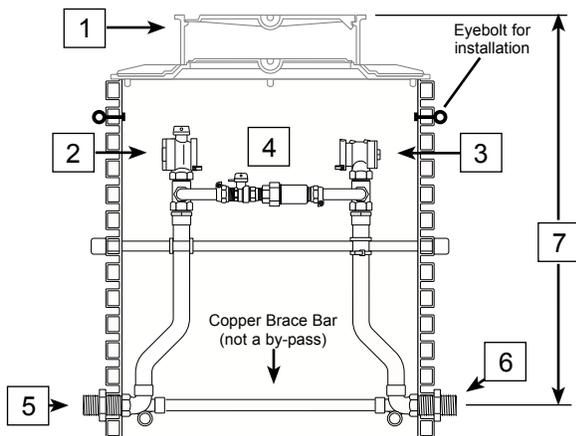


NOTE: A wide variety of covers can be purchased for Plastic Pit Setters. A complete selection of covers with their specifications and available options are listed in Catalog Section D and must be ordered and priced separately. An abbreviated selection of covers is shown on pages FA-16 and FA-17 of this catalog section.

Plastic Pit Setters for 1½" and 2" Meters

For Flanged Meter Settings

1. What type of pit setting is required?
- +
2. What type of inlet valve is required?
- +
3. What type of outlet valve is required?
- + (Insert dash)
4. What meter size is required?
- +
5. What type of inlet connection is required?
(see note below)
- +
6. What type of outlet connection is required?
(see note below)
- + (Insert dash)
7. What pit depth is required?
(Depth is measured from ground level to service line.
The service line is 4" higher than bottom of pit setter.)



1-1/2" Pit Setter shown with Optional Dual Check Valve in By-Pass

HOW TO ORDER A PLASTIC PIT SETTER: Answer each question to create a catalog number. The catalog codes will build the **Plastic Pit Setter** that meets your setting requirements.

PART NUMBER EXAMPLE:

PMBHH-688-36HB-60-NL = a standard monitor cover style plastic pit setter with an inlet angle ball valve, outlet angle dual check valve, 1-1/2" meter, inlet connection for male iron pipe, outlet connection for male iron pipe, high by-pass and a pit diameter and depth of 36"x 60".

* Meter Flange S-Tube is supplied. Provide PRV length and connection type with order. PRV Adapters are sold separately.

▲ 36" depth not available on 2" Tandem Meter Setters with High By-pass.

Note: Inlet and outlet connections are 1-1/2" in size, for 1-1/2" meter settings, 2" for 2" meters.

Meter spacing is 13" for 1-1/2" meters and 17" for 2" meters.

Female iron pipe by Pack Joint couplings are used to provide PET, PEP or PVC inlet/outlet combinations (see catalog section J) and are sold separately.

Extension rings are priced separately in catalog section D.

Setting Type	Code
Standard for Monitor Cover	PM
Standard for Single Lid Cover	PS
Standard for Double Lid Cover	PD
* Tandem for Monitor Cover	PTM
* Tandem for Single Lid Cover	PTS
* Tandem for Double Lid Cover	PTD

Inlet Valve Type	Code
Angle Key Valve	V
Angle Ball Valve	B

Outlet Valve Type	Code
Angle Ball Valve	B
• Angle Key Valve	V
Angle Check Valve	H
Angle Dual Check Valve	HH
No Outlet valve (no by-pass)	-

Meter Size	Code
1-1/2" Meter	6
2" Meter	7

Inlet Type	Code
Male Iron Pipe	8

Outlet Type	Code
Male Iron Pipe	8

Approx. Pit Diameter and Depth	Code
▲ 36" x 36"	36HB-36-NL
36" x 42"	36HB-42-NL
36" x 48"	36HB-48-NL
36" x 54"	36HB-54-NL
36" x 60"	36HB-60-NL
36" x 66"	36HB-66-NL
36" x 72"	36HB-72-NL
36" x 78"	36HB-78-NL

1-1/2" and 2" Pit Setters are standard with a high by-pass. The by-pass can be deleted by omitting the "HB" from the catalog number. Example: PMBHH-688-36-60-NL.

For optional dual cartridge check valve in by-pass, insert "HC" into the catalog number. Example: PMBHH-688-36HBHC-60-NL.

Optional Test Port for dual check 1-1/2" and 2" pit setters is available. See catalog section F for more information.

• 1-1/2" and 2" outlet ball valves may be used as customer shut-offs (on the customer side of the meter). The flange inverted key angle valves should **not** be used as customer shut-off on the customer side of the meter.

Plastic Pit Setters for 1½" and 2" Meters

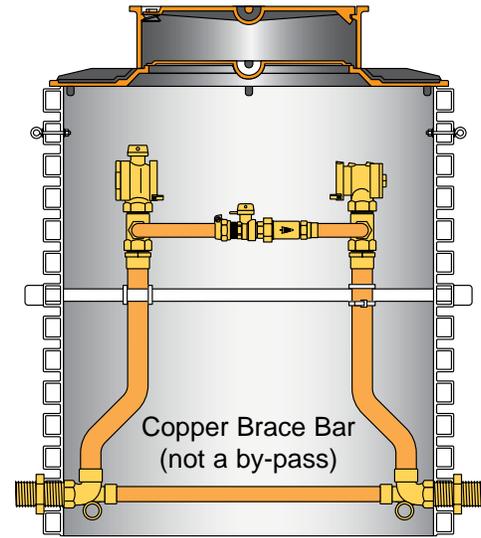
For Flanged Meter Settings

The Ford Plastic Pit Setter is extremely popular with water companies due to its lightweight, durable construction, and ease of installation. The Plastic Pit Setter for 1½" and 2" water meters extends this design to large meters. You can set larger meters with the same ease and assurance as smaller meters and receive the same benefits offered by our original Pit Setters.

The Ford Plastic Pit Setter for 1½" and 2" meters features a pit constructed from heavy duty corrugated plastic for lighter weight and extra strength. The 1½" and 2" sizes have male iron pipe threads on the inlet and outlet service line connections. A full range of connecting couplings for various types of pipe and tubing are available. A variety of inlet and outlet valves are also available. The risers are anchored to a sturdy PVC brace pipe to prevent shifting inside the setting. A copper brace bar (not a by-pass) spans the lower structure, supporting the entire Pit Setter and riser assembly, providing superb structural integrity.

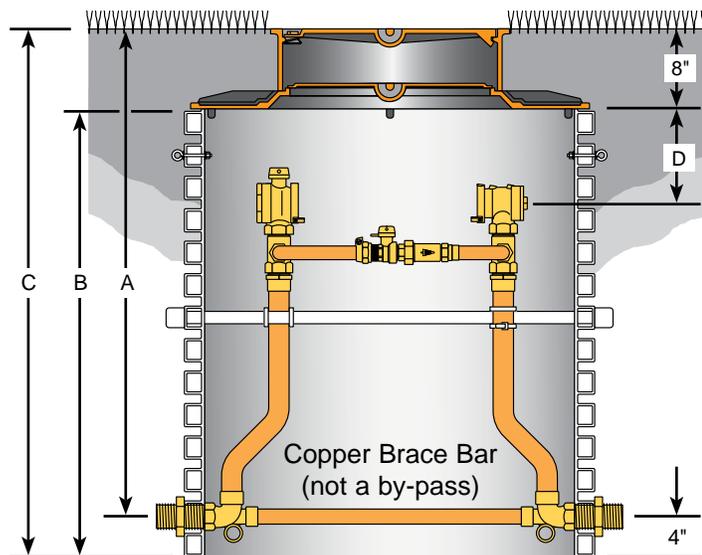
The pit has an open bottom to allow warm air from below the frost line to circulate within the pit setting, preventing freeze-ups. The pit is designed with adequate distance between the side wall and riser to prevent frost jump. See "Principles of Meter Pit Design" on page FA-5.

Ford Meter Box offers a special lid with precast holes for a remote electronic meter reading module. This lid is specially configured for this purpose, and it is manufactured so that the electronic meter reading module will seat against a flat surface. See Catalog Section D for details.



Shown with optional Dual Check Valve in By-Pass, optional Inlet Angle Ball Valve, and optional Outlet Angle Dual Check Valve.

Monitor Lid Pit Setter - Monitor Cover Shown (Configuration and Dimensional Information)



Shown with optional Dual Check Valve in By-Pass, optional Inlet Angle Ball Valve, and optional Outlet Angle Dual Check Valve.

Approximate Vertical Measurements

(Pit Diameter is 36")

Service Line Depth	PVC Cylinder Length	Total Pit Depth	Tile to Centerline Depth
"A"	"B"	"C"	"D"
36"	32"	40"	**8"
42"	38"	46"	12"
48"	44"	52"	12"
54"	50"	58"	12"
60"	56"	64"	12"
66"	62"	70"	12"
72"	68"	76"	12"
78"	74"	82"	12"

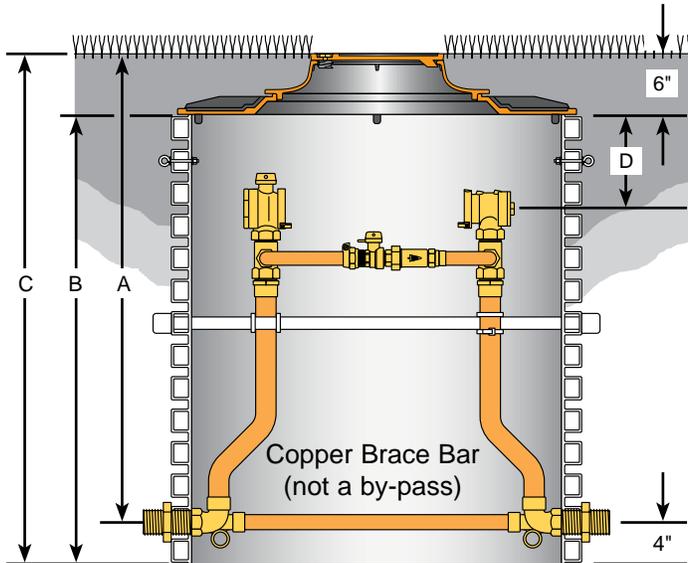
** This dimension is 12" without a high bypass.

Plastic Pit Setters for 1½" and 2" Meters

Configuration and Dimensional Information

For Flanged Meter Settings

Single Lid Pit Setter - Type C Cover and Extension Ring (EXT-5) Shown



Shown with optional Dual Check Valve in By-Pass, optional Inlet Angle Ball Valve, and optional Outlet Angle Dual Check Valve.

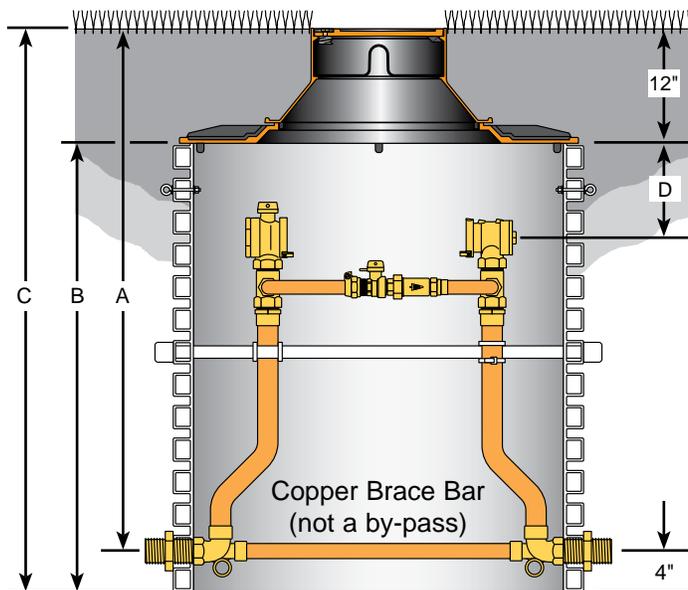
Approximate Vertical Measurements

(Pit Diameter is 36")

Service Line Depth	PVC Cylinder Length	Total Pit Depth	Tile to Centerline Depth
"A"	"B"	"C"	"D"
36"	34"	40"	**10"
42"	40"	46"	14"
48"	46"	52"	14"
54"	52"	58"	14"
60"	58"	64"	14"
66"	64"	70"	14"
72"	70"	76"	14"
78"	76"	82"	14"

** This dimension is 14" without a high bypass.

Double Lid Pit Setter - Wabash Cover and Extension Ring (EXT-5) Shown



Shown with optional Dual Check Valve in By-Pass, optional Inlet Angle Ball Valve, and optional Outlet Angle Dual Check Valve.

Approximate Vertical Measurements

(Pit Diameter is 36")

Service Line Depth	PVC Cylinder Length	Total Pit Depth	Tile to Centerline Depth
"A"	"B"	"C"	"D"
36"	28"	40"	**4"
42"	34"	46"	8"
48"	40"	52"	8"
54"	46"	58"	8"
60"	52"	64"	8"
66"	58"	70"	8"
72"	64"	76"	8"
78"	70"	82"	8"

** This dimension is 8" without a high bypass.

How to Order a Cover

A modest selection of popular covers is listed below. For a complete listing of available lids and covers, along with installation instructions and precautions, please refer to **Ford Catalog Section D**.

Covers with a 10" depth and *inset* lids - The Wabash Double Lid Cover

Inset lids provide an installation that is flush with the surface of the sidewalk or lawn. The inner lid provides greater frost protection for meters. These cast iron covers are 10" in depth and include the lifter Worm Lock with a standard Pentagon Bolt unless a larger bolt is specified.



Wabash Double Lid Covers

Catalog Number	Description		Approx. Wt. Lbs.
	Lid Size*	Tile I.D.	
Cover with Locking Lid			
W2	9-1/2"	18"	42.0
* W32	11-1/2"	18"	50.0
• * W3	11-1/2"	20"	55.0
Cover with Lockless Lid			
W32-LL	11-1/2"	18"	50.0
• W3-LL	11-1/2"	20"	55.0
Cover with Locking Electronic Meter Read Lid			
W2-T	9-1/2"	18"	42.0
W32-T	11-1/2"	18"	50.0
• W3-T	11-1/2"	20"	55.0
Cover with Locking Double Electronic Meter Read Lid			
W32-TT	11-1/2"	18"	50.0
• W3-TT	11-1/2"	20"	55.0
Extra Heavy Frame and Extra Heavy Locking Lid			
• W3H	11-1/2"	20"	89.0
Extra Heavy Frame and Extra Heavy Locking Electronic Meter Read Lid			
• W3H-T	11-1/2"	20"	89.0

* Plastic lid and optional ERT bracket available. See Catalog Section D for more information.

- Use with EXT-5 (extension ring) for use on 36" tile applications

Covers with a 4" depth and *inset* lids - The Type A Single Lid Cover

Inset lids provide an installation that is flush with the surface of the sidewalk or lawn. These cast iron covers are 4" in depth and include the lifter Worm Lock with a standard Pentagon Bolt unless a larger bolt is specified.



Type A Single Lid Covers

Catalog Number	Description		Approx. Wt. Lbs.
	Lid Size*	Tile I.D.	
Type A Cover with Locking Lid			
A2	9-1/2"	18"	30.0
* A32	11-1/2"	18"	32.0
• * A3	11-1/2"	20"	37.0
Type A Cover with Lockless Lid			
A32-LL	11-1/2"	18"	32.0
• A3-LL	11-1/2"	20"	37.0
Type A Cover with Locking Electronic Meter Read Lid			
A2-T	9-1/2"	18"	30.0
A32-T	11-1/2"	18"	32.0
• A3-T	11-1/2"	20"	37.0
Type A Cover with Locking Double Electronic Meter Read Lid			
A32-TT	11-1/2"	18"	32.0
• A3-TT	11-1/2"	20"	37.0
Extra Heavy Frame and Extra Heavy Locking Lid			
• A3H	11-1/2"	20"	54.0
Extra Heavy Frame and Extra Heavy Locking Electronic Meter Read Lid			
• A3H-T	11-1/2"	20"	54.0

* Plastic lid and optional ERT bracket available. See Catalog Section D for more information.

- Use with EXT-5 (extension ring) for use on 36" tile applications

How to Order a Cover

Covers with a 4" depth and overlapping lids - The Type C Single Lid Cover

Overlapping style lid is primarily for installation in lawns. Locking lids have a standard pentagon bolt unless a larger size bolt is specified.



Type C Single Lid Covers

Catalog Number	Description		Approx. Wt. Lbs.
	Lid Size*	Tile I.D.	
Cover with Locking Lid			
C12	8"	18"	27.0
* C32	11-1/2"	18"	29.0
C52	15"	18"	39.0
• C3	11-1/2"	20"	34.0
Cover with Lockless Lid			
C32-LL	11-1/2"	18"	29.0
• C3-LL	11-1/2"	20"	34.0
Cover with Locking Electronic Meter Read Lid			
C12-T	8"	18"	27.0
C32-T	11-1/2"	18"	29.0
C52-T	15"	18"	39.0
• C3-T	11-1/2"	20"	34.0
• C53-T	15"	20"	47.0
Extra Heavy Frame with Extra Heavy with Locking Lid			
C32H	11-1/2"	18"	46.0
• C3H	11-1/2"	20"	52.0

- * Plastic lid and optional ERT bracket available. See Catalog Section D for more information.
- Use with EXT-5 (extension ring) for use on 36" tile applications

Cover with a 4" depth and overlapping lid - The Ford PMBC-3 Plastic Meter Box Cover

The Ford PMBC-3 plastic meter box cover is an economical alternative to iron covers. Its light weight means reduced shipping costs and easier installation. Constructed of high strength polypropylene, which resists chemical attack and the weakening effect of ultraviolet light, the PMBC-3 fits both 18" and 20" meter pits. As plastic is an excellent insulator, the PMBC-3 provides superior protection against meter pit freeze-ups in all but the harshest climates.



PMBC-3 Plastic Meter Box Cover

Catalog Number	Description		Approx. Wt. Lbs.
	Lid Size*	Tile I.D.	
Locking lid			
♦ PMBC-3	11"	18" and 20"	8.0

- * Lid size indicates pit access opening; lid diameter is approximately 1" larger.
- ♦ Optional ERT bracket add "-BR" to catalog number. Example: PMBC-3-BR

Covers for 1-1/2" and 2" Pit Setters - The Ford Monitor Cover

Monitor Covers are designed for use on large tiles where a large lid opening is desired. Each Monitor Cover consists of a flange casting to fit on the tile, a ring, which is centered in place on the flange by a circular bead, and the top lid with a Lifter Worm Lock. An optional plastic inner lid provides added protection against frost damage in cold climates. The Monitor Cover is not designed to withstand traffic, but heavier lids are available for driveway installations where only light traffic is likely.



Monitor Covers

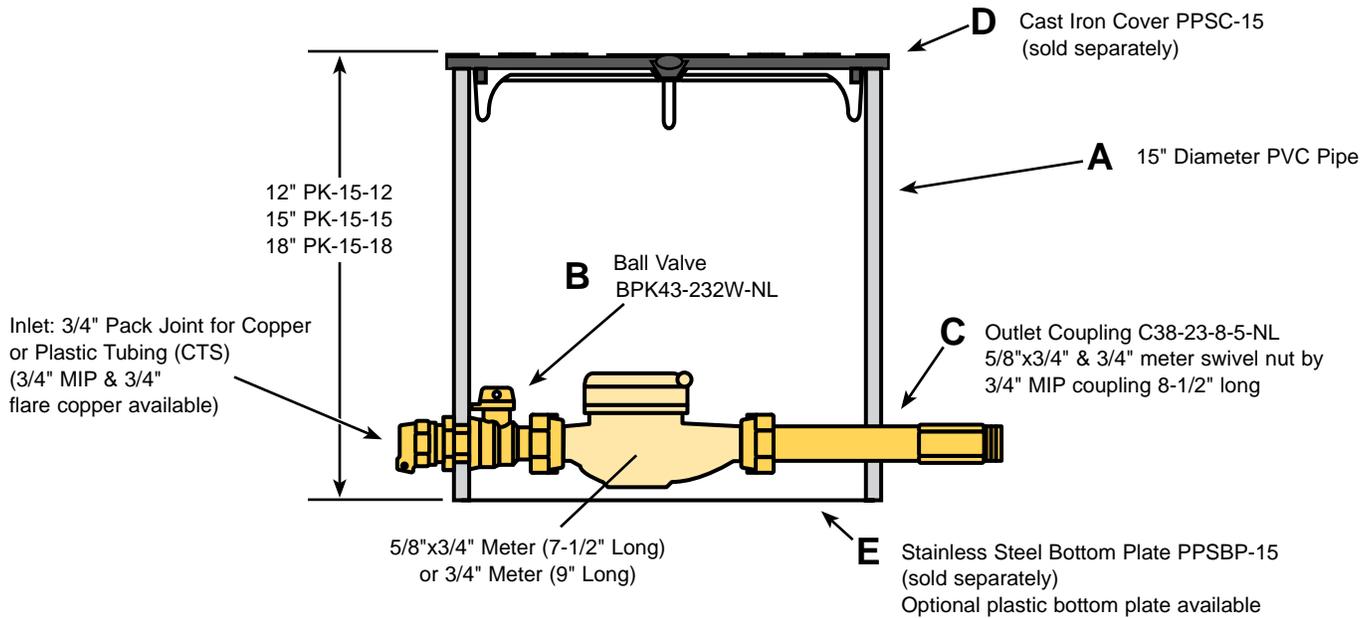
Catalog Number	Description		Approx. Wt. Lbs.
	Lid Size*	Tile I.D.	
Locking Lid			
MC-36	20"	36"	185.0
Lockless Lid			
MC-36-LL	20"	36"	185.0
Locking Lid with Plastic Inner Lid			
MC-36-MB	20"	36"	205.4
Locking Electronic Meter Reading Lid with Plastic Inner Lid			
MC-36-MB-T	20"	36"	205.2

- * Lid size indicates pit access opening; lid diameter is approximately 1" larger.

Smaller lids for 20" I.D. tile will fit 1-1/2" and 2" Pit Setters by using an EXT-5 extension ring, which adapts 20" covers to 36" tile.

The Standard 15" Diameter Style "K" Pit Setter

For 5/8"x3/4" and 3/4" Meters



3/4" MALE IRON PIPE INLET BY 3/4" MALE IRON PIPE OUTLET

Catalog Number	Description	Height
PK288-15-12-NL	Standard Pit Setter (less Lid and Bottom Plate)	12"
PK288-15-15-NL	Standard Pit Setter (less Lid and Bottom Plate)	15"
PK288-15-18-NL	Standard Pit Setter (less Lid and Bottom Plate)	18"

3/4" FLARED COPPER INLET BY 3/4" MALE IRON PIPE OUTLET

Catalog Number	Description	Height
PK228-15-12-NL	Standard Pit Setter (less Lid and Bottom Plate)	12"
PK228-15-15-NL	Standard Pit Setter (less Lid and Bottom Plate)	15"
PK228-15-18-NL	Standard Pit Setter (less Lid and Bottom Plate)	18"

3/4" FLARED COPPER INLET BY 3/4" MALE IRON PIPE OUTLET

Catalog Number	Description	Height
PK248-15-12-NL	Standard Pit Setter (less Lid and Bottom Plate)	12"
PK248-15-15-NL	Standard Pit Setter (less Lid and Bottom Plate)	15"
PK248-15-18-NL	Standard Pit Setter (less Lid and Bottom Plate)	18"

NOTE: Cast Iron Cover and Stainless Steel Bottom Plate must be ordered separately.

"K" Pit Setter Components

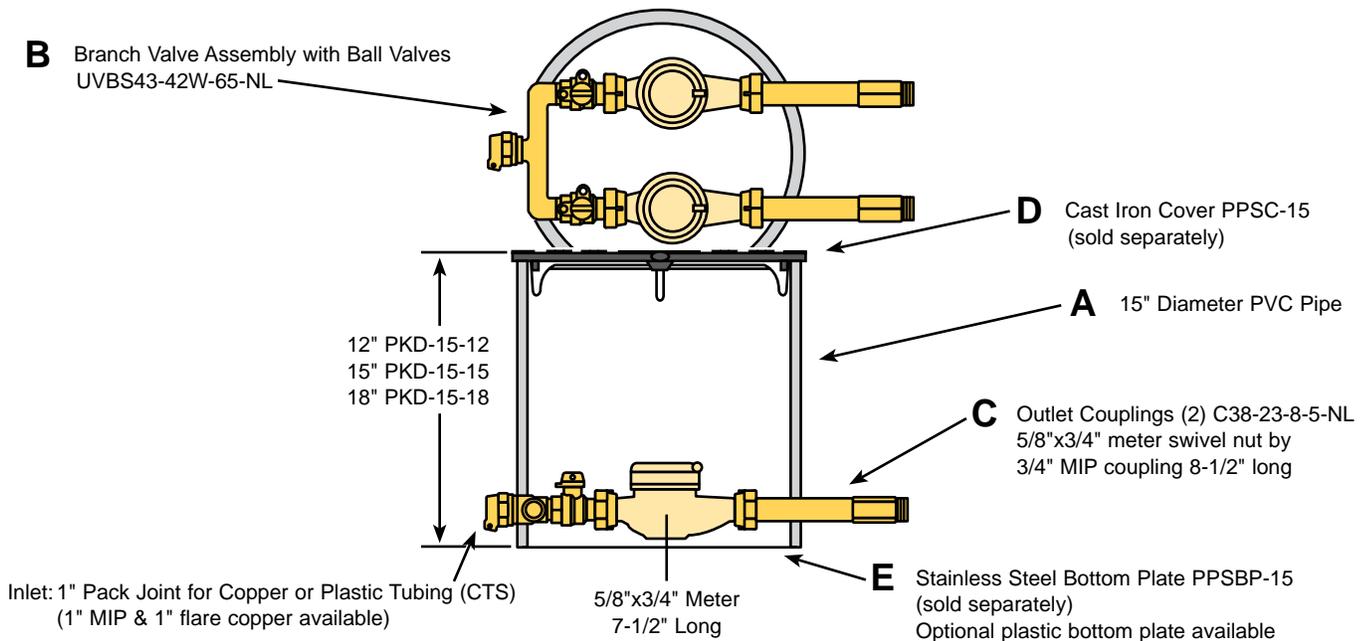
Catalog Number	Component Category	Description
PK-15-12	A	Plastic Pit Only - 12" High
PK-15-15	A	Plastic Pit Only - 15" High
PK-15-18	A	Plastic Pit Only - 18" High
BPK23-232W-NL	B	Ball Valve for 3/4" Flared Copper
BPK43-232W-NL	B	Ball Valve for 3/4" Pack Joint for CTS*
BPK83-232W-NL	B	Ball Valve for 3/4" Male Iron Pipe
C38-23-8-5-NL	C	5/8"x3/4" & 3/4" Meter by MIP Coupling - 8-1/2" Long
PPSC-15	D	One Piece Flat Cast Iron Cover (No Separate Top Lid)
PPSBP-15	E	Stainless Steel Bottom Plate
PPSBP-15-P	E	Plastic Bottom Plate
Add "R" to Catalog Number		360 Degree Turn Ball Valve

Component parts in categories A, B, and C are standard. Components in categories D and E, as well as 360° turning Ball Valves are optional and must be ordered separately.

* **Grip Joint** - for CTS is available. Add "-G" to the Catalog Number.

The 15" Diameter Style "K" Pit Setter

For Dual 5/8"x3/4" Meter Settings



1" MALE IRON PIPE INLET BY TWO 3/4" MALE IRON PIPE OUTLETS

Catalog Number	Description	Height
PKD288-15-12-NL	Dual Pit Setter (less Lid and Bottom Plate)	12"
PKD288-15-15-NL	Dual Pit Setter (less Lid and Bottom Plate)	15"
PKD288-15-18-NL	Dual Pit Setter (less Lid and Bottom Plate)	18"

1" FLARED COPPER INLET BY TWO 3/4" MALE IRON PIPE OUTLETS

Catalog Number	Description	Height
PKD228-15-12-NL	Dual Pit Setter (less Lid and Bottom Plate)	12"
PKD228-15-15-NL	Dual Pit Setter (less Lid and Bottom Plate)	15"
PKD228-15-18-NL	Dual Pit Setter (less Lid and Bottom Plate)	18"

1" PACK JOINT FOR COPPER OR PLASTIC TUBING INLET* BY TWO 3/4" MALE IRON PIPE OUTLETS

Catalog Number	Description	Height
PKD248-15-12-NL	Dual Pit Setter (less Lid and Bottom Plate)	12"
PKD248-15-15-NL	Dual Pit Setter (less Lid and Bottom Plate)	15"
PKD248-15-18-NL	Dual Pit Setter (less Lid and Bottom Plate)	18"

"K" Pit Setter for Dual Meter Setting Components

Catalog Number	Component Category	Description
PKD-15-12	A	Plastic Pit Only - 12" High
PKD-15-15	A	Plastic Pit Only - 15" High
PKD-15-18	A	Plastic Pit Only - 18" High
UVBS23-42W-65-NL	B	Branch Valve Assembly with Ball Valves 1" Flared Copper to 5/8"x3/4" Meter
UVBS43-42W-65-NL	B	Branch Valve Assembly with Ball Valves 1" Pack Joint for CTS* to 5/8"x3/4" Meter
UVBS83-42W-65-NL	B	Branch Valve Assembly with Ball Valves 1" Male Iron Pipe to 5/8"x3/4" Meter
C38-23-8-5-NL	C	5/8"x3/4" Meter by MIP Coupling - 8-1/2" Long
PPSC-15	D	One-Piece Flat Cast Iron Cover (No Separate Top Lid)
PPSBP-15	E	Stainless Steel Bottom Plate
PPSBP-15-P	E	Plastic Bottom Plate
Add "R" to Catalog Number		360 Degree Turn Ball Valve

Component parts in categories A, B, and C are standard. Components in categories D and E, as well as 360° turning Ball Valves are optional and must be ordered separately.

* **Grip Joint** - for CTS is available. Add "-G" to the Catalog Number.

The Ford Coil Pit Setter

For 5/8", 5/8"x3/4", 3/4" and 1" Meter Settings

Ford Coil Pit Setters and Components are 100% made in the USA

The Ford Meter Box Coil Pit Setter design positions the meter below the frost line and allows the meter to be raised for easy meter access.



Accessories

Insulating Foam Disc



Cast Iron Flat Lockless Lid



Driveway Cover
(frame and lid)



Insulating disc and lids
sold separately
see page 25 for details

The Ford Coil Pit Setter

For 5/8", 5/8"x3/4", 3/4" and 1" Meter Settings

Ford Coil Pit Setter Numbering System

TYPE OF PLASTIC COIL PIT SETTER
 PFC = Standard Single Setting
 PDFC = Dual Setting (5/8"x3/4", 18" tile only)
 PTFC = Tandem Setting

METER SIZE (INLET - OUTLET SIZE)
 1 = 5/8" (3/4")
 2 = 5/8" x 3/4" (3/4")
 3 = 3/4" (3/4")
 4 = 1" (1")
 (The number in the parentheses is the standard inlet-outlet size for a given meter size.)

DEPTH
 36"
 42"
 48"
 54"
 60"
 66"
 72"
 78"
 84"
 90"
 96"

Optional 1" Tubing and MIP Service Connections
 for 5/8", 5/8" x 3/4" and 3/4" Setters - NOT AVAILABLE on 15" tiles or dual settings

INLET VALVE TYPE
 V = Angle Key Valve
 *B = Angle Ball Valve

PFCBHH-288-15-72A-FP-NL

OUTLET VALVE TYPE

V = Angle Key Valve
 * B = Angle Ball Valve
 H = Angle Check Valve
 Δ HH = Angle Cascading Dual Check Valve
 ** HC = Angle Cartridge Dual Check Valve (on 1" only)
 L = ELL (No Valve)

TYPE OF INLET - OUTLET
 8 = Male Iron Pipe Threads

TILE DIAMETER
 15 = 15"
 18 = 18"

FULL PORT BALL VALVE

-NL = No-Lead Alloy ▲

OPTION

For 12" adjustable pit extension, add "E" and the pit height range to the part number. Example: PFCBHH-288-18E-60-72-NL

* The 5/8" Port Angle Ball Valve is a one-way directional valve designed for the inlet side of the meter and should not be used as a customer shut-off on the customer side of the meter. 5/8"x3/4", 3/4" & 1" setters with angle ball valves will be reduced port unless otherwise specified. Reduced port valves usually provide suitable water flow. Add "-FP" to end of catalog number for full port.

Δ 1" Angle Cascading Dual Check Valve contains 3/4" internal components. This valve meets the ASSE flow requirements of a 1" valve. For a full port valve, order the cartridge style check valve.

** 3/4" and 1" cartridges with an enhanced chlorine/chloramine resistance are available. Insert "CR" at the end of the alpha code.

Example: PFCBHCCR-488-18-60-NL.

If PRV lengths are outside of range (see chart on page 22) or have connections other than FNPT, contact factory for price and availability.

▲ Ford Meter Box no-lead brass products manufactured from UNS/CDA No. 89833 alloy shall contain no more than 0.25% total lead content by weight. United States federal and state laws allow the use of products manufactured from UNS C83600 85-5-5-5 brass alloy for only non-potable water systems within the United States.

Parties responsible for monitoring and maintaining proper water system design must exercise full responsibility in understanding and upholding the full intent and scope of applicable lead laws.

STANDARD SPECIFICATIONS	15" Diameter PVC Tile (.300" Thick)	18" Diameter PVC Tile (.360" Thick)
SETTING TYPE		
5/8" Single Setting	X	X
5/8" Tandem Setting	X	X
5/8" Dual Setting		X
5/8" x 3/4" Single Setting	X	X
5/8" x 3/4" Tandem Setting	X	X
5/8" x 3/4" Dual Setting		X
3/4" Single Setting		X
3/4" Tandem Setting		X
3/4" Dual Setting		X
*1" Single Setting		X
*1" Tandem Setting		X
INLET AND OUTLET SERVICE LINE CONNECTIONS		
3/4" Coil Tubing with 3/4" MIP	X	X
1" Coil Tubing with 1" MIP inlet with 3/4" MIP outlets & 3/4" tubing (Dual Pits Only)		X
1" Coil Tubing with 1" MIP (Standard on 1" Setters. Add "A" to all other meter sizes)		X
COIL TUBING (HDPE 3408) ASTM D2737 200 PSI		
3/4" Tubing	X	X
1" Tubing	X	X
ADJUSTABLE METER PLATFORM PLATE		
All settings	X	X
SUPPORT BRACKETS		
All settings	X	X
INSULATION DISC		
1-1/2" - 6" thickness	X	X
CAST IRON LID		
Locking	X	X
Lockless	X	X
Cast Iron Covers (Standard iron lid will not fit frame)	X	X
COIL PIT SETTER HEIGHT		
36" up to 96"	X	X

*1" Angle Cascading Dual Check Valve contains 3/4" components.

The Ford Coil Pit Setter

For 5/8", 5/8"x3/4" and 3/4" Meter Settings

15" Diameter Coil Pit Setter with Single or Tandem Settings for 5/8", or 5/8" x 3/4" Meters

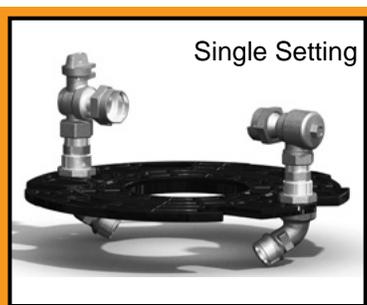
Setting Type	Code
Standard Coil Pit Setter (flat lid ordered separately)	PFC
Tandem Coil Pit Setter (flat lid ordered separately)	PTFC
Inlet Valve Type	
Angle Key Valve	V
Angle Ball Valve (reduced port)	B
* Full Port Angle Ball Valve (see page 23)	◆ B (-FP-R)
Outlet Valve Type	
Angle Key Valve	V
Angle Ball Valve (reduced port) (see page 23)	◆ B
* Full Port Angle Ball Valve (see page 23)	◆ B (-FP-R)
Angle Check Valve	H
Cascading Angle Dual Check Valve (ASSE)	HH
EII (no valve)	L
Meter Size	
5/8"	1
5/8" x 3/4"	2
Type of Inlet/Outlet Service Connection	
3/4" MIP x 3/4" MIP with 3/4" tubing	88
Pit Diameter and Depth	
15" x 36"	15-36-NL
15" x 42"	15-42-NL
15" x 48"	15-48-NL
15" x 54"	15-54-NL
15" x 60"	15-60-NL
15" x 66"	15-66-NL
15" x 72"	15-72-NL
15" x 78"	15-78-NL
15" x 84"	15-84-NL
15" x 90"	15-90-NL
15" x 96"	15-96-NL

Example: PFCBHH-288-15-54-NL

Note: Regulator adapters are furnished with all standard tandem coil pits. For PRV lengths with end connections other than FNPT or lengths outside of range, see chart below. Contact factory for price and availability.

Coil Pit setters with a ball valve inlet and a ball valve outlet are not recommended on 15" tile; using an 18" tile is advised. The 5/8" port angle ball valve should not be used as a customer shut-off on the customer side of the meter.

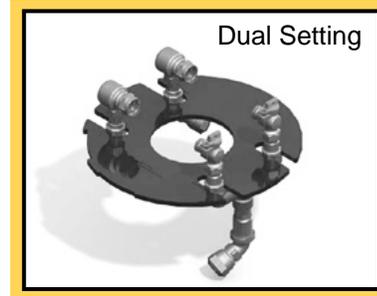
*5/8"x3/4" setters with angle ball valves will be reduced port unless otherwise requested. Reduced port valves usually provide suitable water flow. Add "-FP-R" to the catalog number for full port. Full port ball valves shall have a 360° tee-head rotation. Example: PFCBHH-288-15-48-FP-R-NL



Single Setting



Tandem Setting



Dual Setting

18" Diameter Coil Pit Setter with Dual Settings for 5/8", 5/8" x 3/4" or 3/4" Meters

Setting Type	Code
Dual Setting (flat lid ordered separately)	PDFC
Inlet Valve Type	
Angle Key Valve	V
Angle Ball Valve (reduced port)	◆ B
** Full Port Angle Ball Valve (see page 23)	◆ B (-FP)
Outlet Valve Type	
Angle Key Valve	V
Angle Ball Valve (reduced port) (see page 23)	◆ B
** Full Port Angle Ball Valve (see page 23)	◆ B (-FP)
Angle Check Valve	H
Cascading Angle Dual Check Valve (ASSE)	HH
EII (no valve)	L
Meter Size	
5/8"	1
5/8" x 3/4"	2
** 3/4"	3
Type of Inlet/Outlet Service Connection	
1" MIP Inlet/Tubing x (2) 3/4" MIP Outlet/Tubing	88
Pit Diameter and Depth	
18" x 42"	18-42-NL
18" x 48"	18-48-NL
18" x 54"	18-54-NL
18" x 60"	18-60-NL
18" x 66"	18-66-NL
18" x 72"	18-72-NL
18" x 78"	18-78-NL
18" x 84"	18-84-NL
18" x 90"	18-90-NL
18" x 96"	18-96-NL

Example: PDFCBHH-288-18-48-NL

** Full port ball valves for 3/4" dual setters shall have a 360° rotation. Example: PDFCBHH-388-18-42-FP-R-NL

Custom Coil Pit Setters are available, contact factory.

Tandem Coil Pitsetter PRV Length Range			
Tile Size and Meter Settings	Min	Max*	
5/8" Meter Setting			
15" Tile	4-1/4"	5-1/4"	
15" Tile w/Full port ball valve	3-1/2"	4-1/2"	
5/8" x 3/4" Meter Setting			
15" Tile	4"	4-3/4"	
15" Tile w/Full port ball valve	3-3/8"	4-1/8"	
18" Tile	4-1/2"	5-3/4"	
18" Tile w/Full port ball valve	3-7/8"	4-7/8"	
3/4" Meter Settings			
18" Tile	4-5/8"	6-5/8"	
18" Tile w/Full port ball valve	4-1/8"	6-1/8"	
1" Meter Settings			
18" Tile	4"	4-1/4"	
18" Tile w/Full port ball valve	3-1/2"	3-3/4"	

PRV lengths with connections other than FNPT or lengths outside of the range; please contact factory for price and availability.

* Max length may differ on pitsetters with a Secura-Lok valve.

The Ford Coil Pit Setter

For 5/8", 5/8"x3/4", 3/4" and 1" Meter Settings

18" Diameter Coil Pit Setter with Single or Tandem Settings for 5/8", 5/8" x 3/4", 3/4" or 1" Meters

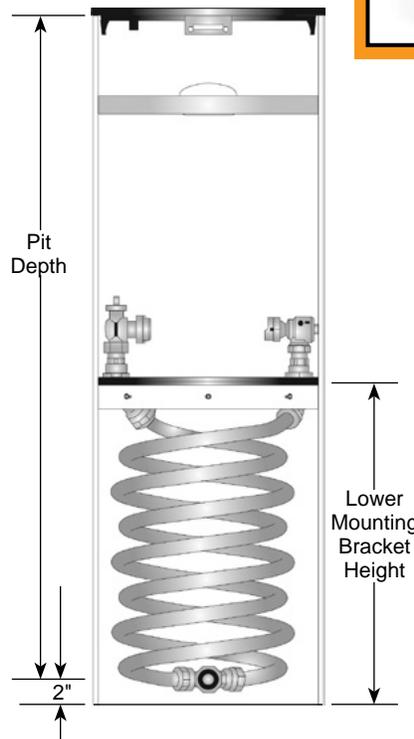
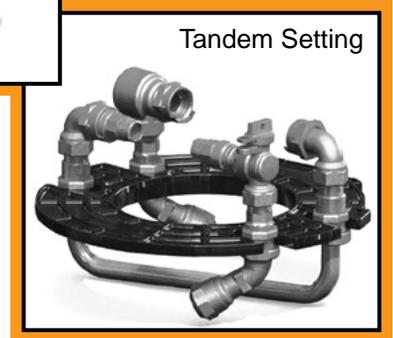
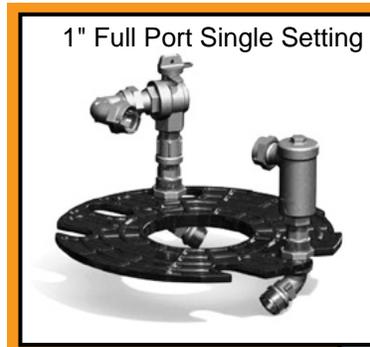
Setting Type	Code
Standard Coil Pit Setter (single) (flat lid ordered separately)	PFC
Tandem Coil Pit Setter (flat lid ordered separately)	PTFC
Inlet Valve Type	
Angle Key Valve	V
Angle Ball Valve (reduced port)	B
* Full Port Angle Ball Valve (see ♦ below)	♦ B (-FP)
Outlet Valve Type	
Angle Key Valve	V
Angle Ball Valve (reduced port)	■ B
* Full Port Angle Ball Valve (see ♦ below)	♦ B (-FP)
Angle Check Valve	H
Cascading Angle Dual Check Valve (ASSE)	***HH (see below)
1" Cartridge Angle Dual Check Valve (ASSE)	HC
With enhanced chlorine/chloramine resistant cartridges	HCCR
EI (no valve)	L
Meter Size	
5/8"	1
5/8" x 3/4"	2
3/4"	3
** 1"	4
Type of Inlet/Outlet Service Connection	
3/4" MIP x 3/4" MIP (for 5/8", 5/8"x3/4", and 3/4" meter settings) with 3/4" tubing	▲ 88
1" MIP x 1" MIP (for 1" meter settings) with 1" tubing	88
Pit Diameter and Depth	
18" x 36"	18-36-NL
18" x 42"	18-42-NL
18" x 48"	18-48-NL
18" x 54"	18-54-NL
18" x 60"	18-60-NL
18" x 66"	18-66-NL
18" x 72"	18-72-NL
18" x 78"	18-78-NL
18" x 84"	18-84-NL
18" x 90"	18-90-NL
18" x 96"	18-96-NL

Example: PTFCVHH-488-18-60-NL

*5/8"x3/4", 3/4" & 1" setters with angle ball valves will be reduced port unless otherwise requested. Reduced port valves usually provide suitable water flow. Add "-FP" to the catalog number for full port. Add "-FP-R" where a 360° tee-head rotation is required.

Note: Regulator adapters furnished with all standard tandem coil pits. For PRV lengths with end connections other than FNPT or lengths outside range, see chart on page FA-22 and contact factory.

** **All Coil Pit Setters for 1" meters must have a 360° tee-head rotation (-R)** Example: PTFCBH-488-18-36-R-NL, except for single coil pits with full port ball valves. Example: PFCBH-488-18-36-FP-NL



Pit Depth	Lower Mounting Bracket Height
36"	14"
42"	20"
48"	26"
54"	26"
60"	26"
66"	26"
72"	26"
78"	26"
84"	26"
90"	26"
96"	26"

Optional if required	Code
♦ Optional Full Port Ball Valve 5/8"x3/4", 3/4" & 1" setters with angle ball valves will be reduced port unless otherwise requested. Reduced port valves usually provide suitable water flow. (Add "FP" to the catalog number for full port.) Example: PFCBH-288-15-48-FP-NL. Add "FP-R" where 360° rotation is required. Example PFCBH-488-18-36-FP-R-NL	-FP -FP-R
▲ Optional 1" tubing and service line connections are available. Add "A" to the end of the catalog number. Example: PFCBH-288-18-36A-NL. (1" tubing and connections are standard on 1" meters) NOT AVAILABLE on 15" tile or dual settings	A
■ The 5/8" Port Angle Ball Valve is a one-way directional valve designed for the inlet side of the meter and should not be used as a customer shut-off on the customer side of the meter.	
*** Angle Cascading Dual Check Valves contain 3/4" internal components. This valve meets the ASSE flow requirements of a 1" valve. For a full port valve, order the cartridge style check valve.	
Optional Covers, Insulating Disc, Frames and Lids: (Order separately) see page 25.	

The Ford Coil Pit Setter

Features

HOUSING:

- SDR 51 PVC PIP tile, per ASTM D2241
- Lightweight to provide easy installation
- Heights range from 36" to 96"
- Bottom is open to allow ground heat from below the frost line to circulate in the pit, preventing freeze-ups
- 15" diameter PVC tile (.300" thick)
 - 5/8" and 5/8"x3/4" single meter settings
 - 5/8" and 5/8"x3/4" tandem meter settings
- 18" diameter PVC tile (.360" thick)
 - 5/8", 5/8"x3/4" and 3/4" single, dual and tandem meter settings
 - 1" single and tandem meter settings

COIL:

- Coiled high-density polyethylene (HDPE) tubing, per ASTM D2737, SDR 9 CTS sized
- Complies with AWWA C901 (Note: Other comparable products in the market place may use polybutylene coil tubing and claim it meets AWWA C902 Standards. **Caution:** AWWA has *withdrawn* Standard C902 and is no longer a valid standard.)
- Coil is ANSI/NSF Standard 61 approved
- Working pressure 200 PSIG. (This pressure rating should be adequate for any Ford Coil Pit Setter or comparable competitor's product, as some of the connecting valves have a lesser pressure rating.)
- Coils are formed by a proprietary process specific to each tile diameter and pit depth, thus allowing consistent mobility while retaining its original form and providing minimal stress to the coil
- Ford provides 12" coil extension length standard with each pit to accommodate risers for future grade changes

CONNECTIONS:

- Brass components that come in contact with potable water conform to AWWA Standard C800 (UNS NO C89833)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS NO C83600 - 85-5-5-5)
- Inlet and outlet service line connections are MIP and are clearly labeled
- Angled 60° elbows provide minimal stress on the tubing and maintain proper coil orientation
- Quick Joint Nuts (QJN) with thin stainless steel inserts are used for connecting to the HDPE tubing allowing full water flow, unlike crimping techniques requiring a thick brass insert that reduces the tubing ID at every connection
- Special lubricants within the QJN allow it to rotate on the tubing without becoming loose or compromising the connection
- If ever necessary, removal of coil or replacement of connections is easy and inexpensive as it only requires replacing the QJN gasket, unlike crimping techniques that require special tools, complete replacement of tubing and the entire crimped connection

METER MOUNTING PLATFORMS:

- Single or tandem platforms are molded polypropylene with structural ribs for rigidity
- Dual setting platforms are made from e-coated aluminum
- Various product heights may require spacers for alignment purposes

PLATFORM ACCESS RODS (ordered separately):

- Carbon Steel wire ASTM A510 with black e-coat finish
- Constructed with opposing fingers that fit over meter and hook under meter spuds which securely holds platform and meter during vertical movement
- Reduces potential tube drag by allowing a counterclockwise movement of the meter assembly that slightly tightens coil, reducing coil diameter
- Available 36" up to 72" long

EXTENSION RINGS (ordered separately):

- SDR 51 PVC PIP tile, per ASTM D2241
- Available in 2" increments up to 12". (Coil pits are standard with an extra 12" of tubing to accommodate up to 12" extension)
- Three separate locating supports
- Support/lid bracket factory installed

BOTTOM PLATES:

- Available as stainless steel partial tile bottom for 15" (15.30 O.D.) and 18" (18.70 O.D.) heavy walled PVC
- Available as plastic solid bottom for 15" (15.30 O.D.) and 18" (18.70 O.D.) heavy walled PVC
- Drain holes may be field installed in solid pit bottom or at factory

BRASS VALVES:

- Brass components that come in contact with potable water conform to AWWA Standard C800 (UNS NO C89833)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS NO C83600 - 85-5-5-5)
- All dual check valves are ASSE 1024 approved
- 1" full port ball valve settings shall have the ball valve rotated and a 120° elbow will be assembled to maintain meter alignment within the tile ID. 5/8", 5/8" x 3/4", 3/4" and 1" Coil Pit Setters with angle ball valves will be reduced port unless otherwise specified. Add "-FP" to the catalog number for full port.
- Brass valves and fittings will maintain their individual NSF/ANSI Standard 61 Approval where applicable

IRON LIDS (Order separately):

- Locking and lockless lids are cast iron, per ASTM A48, Class 25
- Available with single or double 2" EMR holes
- Optional under-the-lid AMR plastic mounting plate
- Not for use with Coil Pit Driveway Covers below

IRON DRIVEWAY COVERS (Order separately):

- Load rating of 25,000 pounds
- Standard Ford worm latch with Pentagon Bolt
- Mounting wide cast lugs used in place of mounting bracket
- Available with electronic meter read feature (2" hole), -T or -TT
- Not for use with standard coil pit flat iron lid

INSULATING DISC (Order separately):

- 1-1/2" - 6" thick, minimum R-value 6.0 - 12.0
- Closed-cell polyethylene foam resists moisture absorption
- Provides extra protection against meter freeze-ups
- Plastic tie strap handle to assist in disc removal

The Ford Coil Pit Setter

Optional Items Ordered Separately

Coil Pit Lids and Bottom Plates



Cast Iron Flat Lids

Catalog Number	Size	Approx. Wt	Catalog Number	Size	Approx. Wt.
Lockless Lids					
PPSC-15	15"	20.0	PPSC-18	18"	28.0
Locking Lids					
PPSC-15-L	15"	20.0	PPSC-18-L	18"	28.0
Locking Lids with Plastic ERT Bracket					
PPSC-15-L-BR	15"	20.0	PPSC-18-L-BR	18"	28.0
Locking Electronic Read Lid					
PPSC-15-L-T	15"	20.0	PPSC-18-L-T	18"	28.0
Locking Double Electronic Read Lid					
PPSC-15-L-TT	15"	20.0	PPSC-18-L-TT	18"	28.0
Recessed Locking Electronic Read Lid					
PPSC-15-L REC-T	15"	20.0	PPSC-18-L-REC-T	18"	28.0
Lockless Electronic Read Lid					
PPSC-15-T	15"	20.0	PPSC-18-T	18"	28.0
Double Lockless Electronic Read Lid					
PPSC-15-TT	15"	20.0	PPSC-18-TT	18"	28.0
Recessed Lockless Electronic Read Lid					
PPSC-15-REC-T	15"	17.2	-	-	-
Recessed Lockless Electronic Read Lid (Extra Heavy)					
PPSCH-15-REC-T	15"	40.5	-	-	-

H-20 Rated Composite Flat Lids

Locking Lids					
PPSC-15-L-P	15"	18.5	PPSC-18-L-P	18"	27.0
Locking Lids with Plastic ERT Bracket					
PPSC-15-L-P-BR	15"	18.8	PPSC-18-L-P-BR	18"	27.3



Coil Pit Iron Driveway Cover (Frame and Lid)

Catalog Number	Description and Size	Approx. Wt
A51H	15"	65.0
A62H	18"	74.0
Cover (Frame with Electronic Read Locking Lid)		
A51H-T	15"	65.0
A62H-T	18"	74.0
Cover (Frame with Double Electronic Read Locking Lid)		
A51H-TT	15"	65.0
Cover (Frame with Recessed Electronic Read Lockless Lid (Extra Heavy))		
A51H-LL-REC-T	15"	70.0
Iron Frame Only		
*PFC15F	15"	30.0
*PFC18F	18"	39.0
Locking Lid Only		
WA5LH	15"	35.0
WA6LH	18"	35.0
Locking Electronic Read Lid Only		
WA5LH-T	15"	35.0
WA6LH-T	18"	35.0
Locking Double Electronic Read Lid Only		
WA5LH-TT	15"	35.0
WA6LH-TT	18"	35.0



Closed Cell Insulating Discs

Catalog Number	Meter Pit Diameter	Thickness	Minimum R-Value	Color
CCID-15	15"	1-1/2"	6.0	Gray
CCID-15-2		2"	4.0	Green or White
CCID-15-4		4"	8.0	Green or White
CCID-15-6		6"	12.0	Green or White
CCID-18	18"	1-1/2"	6.0	Gray
CCID-18-2		2"	4.0	Green or White
CCID-18-4		4"	8.0	Green or White
CCID-18-6		6"	12.0	Green or White

Special meter depth may be required on meter pits depending on lid type and disc thickness. Contact factory for further information.

* Frames cannot be used with standard coil pit flat lids, must be used with these matching lids only. These covers carry a 25,000 pound load rating.

Ford Pit Setter Accessories

Optional Items Ordered Separately

Pit Access Rods and Extension Rings



Coil Pit Meter Platform Access Rods

Catalog Number	Meter Size	Service Line Depth	Approx. Wt.
CPLR-2-36	5/8" or 5/8" x 3/4"	Up to 60"	5.0
CPLR-2-48	5/8" or 5/8" x 3/4"	Up to 72"	6.0
CPLR-2-60	5/8" or 5/8" x 3/4"	Up to 84"	7.0
CPLR-2-72	5/8" or 5/8" x 3/4"	Up to 96"	8.0
CPLR-3-36	3/4"	Up to 60"	5.0
CPLR-3-48	3/4"	Up to 72"	6.0
CPLR-3-60	3/4"	Up to 84"	7.0
CPLR-3-72	3/4"	Up to 96"	8.0
CPLR-4-36	1"	Up to 60"	5.0
CPLR-4-48	1"	Up to 72"	6.0
CPLR-4-60	1"	Up to 84"	7.0
CPLR-4-72	1"	Up to 96"	8.0

Rods are sold by meter pit size and service line depth.



Coil Pit Extension Rings

Extension Length	15" Diameter Tile	Approx. Wt.	18" Diameter Tile	Approx. Wt.
2"	CPS-EXT15-2	1.7	CPS-EXT18-2	2.5
4"	CPS-EXT15-4	3.3	CPS-EXT18-4	4.8
6"	CPS-EXT15-6	4.9	CPS-EXT18-6	7.2
8"	CPS-EXT15-8	6.5	CPS-EXT18-8	9.6
10"	CPS-EXT15-10	8.2	CPS-EXT18-10	12.0
12"	CPS-EXT15-12	9.6	CPS-EXT18-12	14.3

Standard Coil Pits can accommodate up to a maximum 12" extension ring. Extension lengths are in 2" increments from 2" to 12" for each tile diameter.

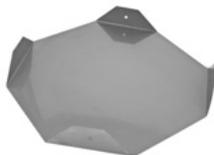
Pitsetter Extension Rings

Extension Length	18" Diameter Tile	Approx. Wt.	20" Diameter Tile	Approx. Wt.
4"	PS-EXT18-4	7.0	PS-EXT20-4	3.6
6"	PS-EXT18-6	9.7	PS-EXT20-6	4.9
8"	PS-EXT18-8	12.4	PS-EXT20-8	6.4
10"	PS-EXT18-10	15.1	PS-EXT20-10	7.8
12"	PS-EXT18-12	17.8	PS-EXT20-12	9.2



Adjustable Pit Setter Extender (Patent Pending)

Catalog Number	Extension Length	Description	Approx. Wt.
CPS-EXT18ADJ	3" - 12"	Adjustable Pit Extender for coil pits with 18" tile	110.4
PS-EXT18ADJ	3" - 12"	Adjustable Pit Extender for pits with 18" tile	110.3



Stainless Steel Bottom Plate

Catalog Number	Size	Approx. Wt.	Catalog Number	Size	Approx. Wt.
PPSBP-15	15.3"	3.3	PPSBP-18	18.7"	3.9



Solid Plastic Bottom Plate

Catalog Number	Size	Approx. Wt.	Catalog Number	Size	Approx. Wt.
PPSBP-15-P	15.3"	1.0	PPSBP-18-P	18.7"	2.0

The Ford Coil Pit Setter

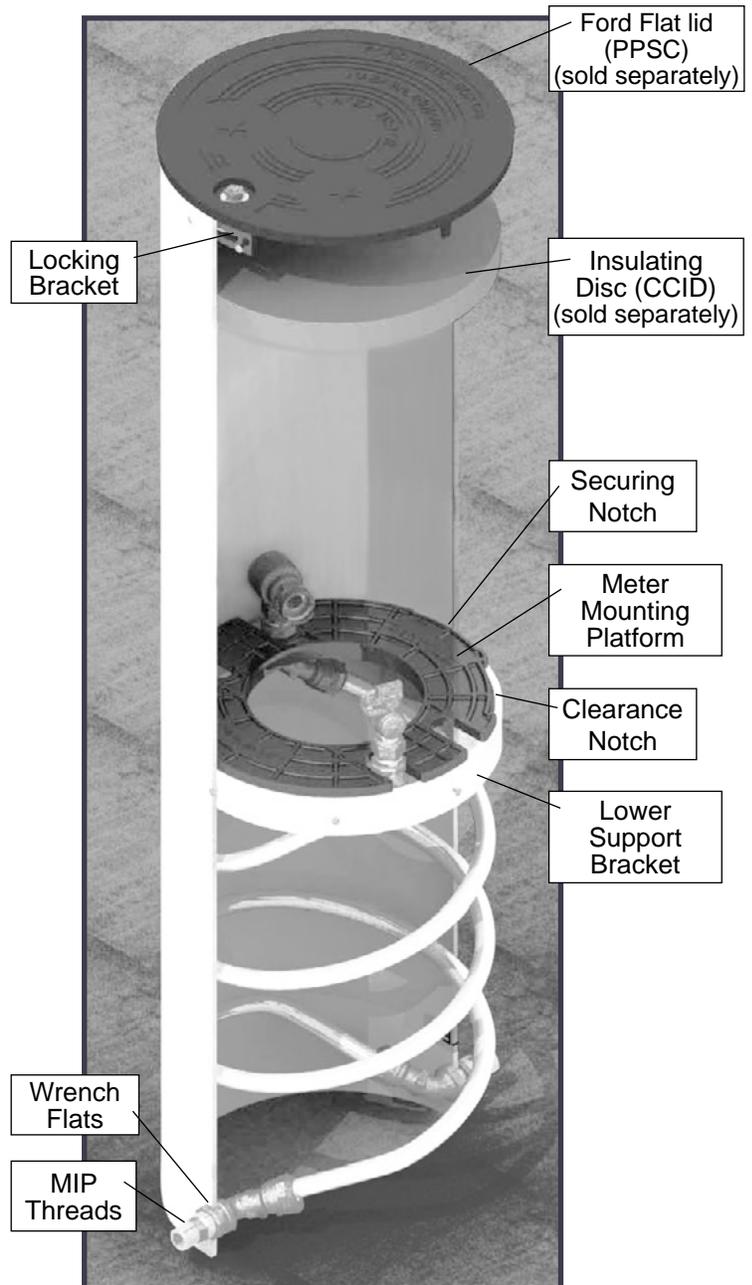
Installation Instructions

INSTALLATION INSTRUCTIONS FOR THE FORD COIL PIT SETTER

1. Dig trench to proper depth for Coil Pit Setter and lid, also allow for bottom support/drainage.
2. Place crushed gravel or an even layer of concrete blocks in the bottom of hole; if using a bottom plate, place in hole before installing the Coil Pit Setter.
3. Lower the pit setter in the hole so that the top edge is flush with grade level.
4. Connect the inlet and outlet service lines to the appropriate connection as marked on the tile by placing an additional wrench on the wrench flats of the MIP fitting to avoid unintentional twisting of the coil tubing.
5. Pressure test the Coil Pit Setter prior to backfilling to ensure all valves and joints are secured tightly and no leaks are detected.
6. **IMPORTANT:** Carefully backfill around the tile, 12" at a time, tamping each layer. Improper backfill may distort tile, resulting in immobility of the meter mounting platform.

PRECAUTIONS

1. Do not kink, fold, or over-stress the coil tube or damage may result. Avoid cuts, nicks and abrasions to the coil tube as they may affect service life and pressure integrity. Damaged coils should be replaced.
2. Be sure to lift the meter mounting platform just past both locking brackets. Rest the platform on the locking brackets and engage securing the notch of the platform onto one of the locking brackets. This secures the assembly while servicing the meter.
3. Ford's flat lid should be placed properly on the tile after each entry. Locking lid should have the lug and locking mechanism aligned within the tile's locking brackets to secure lock.
4. Meter mounting platform should be completely lowered to the lower support bracket when meter is not being serviced.
5. Store Coil Pit Setter in upright position, do not stack on its side.



Section FA

Ford® Plastic Pit Setters

Warranty

All merchandise is warranted to be free from defects in material and factory workmanship for one year from date of shipment from our factory. We will provide, free of charge, new products in equal quantities for any that prove defective within one year from date of shipment from our factory. Manufacturer shall not be liable for any loss, damage, or injury, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for user's intended use and user assumes all risk and liability whatever in connection therewith. No claims for labor or consequential damage will be allowed. The foregoing may not be changed except by agreement signed by an officer of the manufacturer.

No other warranties are applicable or may be implied, including the implied warranty of merchantability and the implied warranty of fitness for particular purpose and any warranty relating to infringement or the like, all of which are disclaimed.

Please Note:

Consult the Ford Meter Box Company, Inc. website (www.fordmeterbox.com) for the most recent catalog information. The Ford Meter Box Company considers the information in this catalog to be correct at the time of publication. Items and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



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