

# The Ford 90 Series Coppersetter

For 5/8", 5/8"x3/4", 3/4" or 1" Meter Size

Each conduit of the 90 Series Coppersetter is one piece of copper tubing and the two conduits are connected by a clamp. This flexible design provides adjustability to the space between service pipe ends during installation. The clamp is normally soldered permanently to the tubes but can be furnished with a bolted clamp so that the two conduits can be taken apart, if desired. An optional extended outlet leg provides customer side hook-up without disturbing the pit.

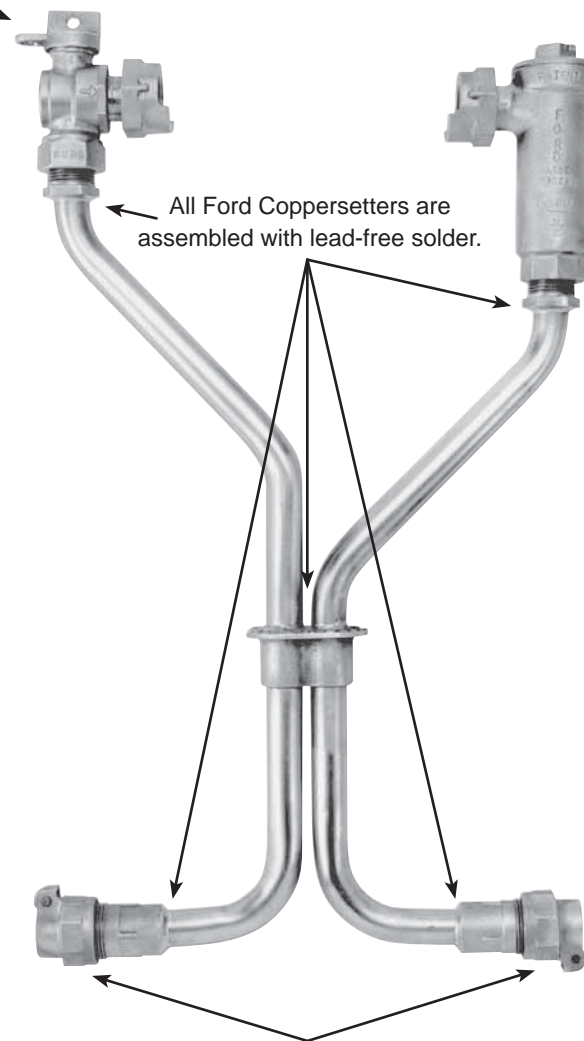
**To order:** Select one Catalog Number component from each of the three charts on pages 24 and 25 to arrive at the complete Coppersetter Catalog Number. Selection order of components:

1. Meter size and valve type . . . . . page 24
  2. Coppersetter height . . . . . page 24
  3. Service line connections . . . . . page 25
- Outlet extension, bolted clamp construction and brace eye . . . page 25

Angle Ball, Angle Inverted Key or Angle Compression Inlet valves are available.

Meter outlet valves include all available inlet valves plus:  
Single Check Valve  
Dual Check Valve  
Cartridge Dual Check Valve  
U.S. PAT. NO. 5148828

All Ford Coppersettters are assembled with lead-free solder.



The largest variety of service line connections in the waterworks industry. Compression, flared, threaded and double purpose couplings for copper, iron, polyethylene and PVC.

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## Example of Catalog Number for a 90 Series Coppersetter

**FIRST PART OF NUMBER  
(METER SIZE AND VALVE TYPE)**

**SECOND PART OF NUMBER  
(COPPERSETTER HEIGHT)**

**THIRD PART OF NUMBER  
(SERVICE LINE CONNECTION TYPE & SIZE)**

**VBHC92-12W-44-33A**

Angle Ball Meter Valve  
on inlet

Cartridge Angle Dual Check  
on outlet

90 Series Coppersetter

For 5/8"x3/4" Meter Only

12" Riser Height from Center Line  
of Service Line Connection  
to Center Line of Meter Spud

Optional Outlet Tube Extension  
A = 15" & B = 18"

3/4" Outlet Service Line Connection

3/4" Inlet Service Line Connection

Pack Joint for CTS  
Outlet Service Line Connection

Pack Joint for CTS  
Inlet Service Line Connection

(Angle Meter Ball and Key Valves are with Padlock Wing - Compression valve without Padlock Wing)

The description for the above catalog number reads: 90 Series Coppersetter for 5/8"x3/4" meter, with an Angle Ball Meter Valve on the inlet and a Cartridge Angle Dual Check on the outlet, 12 inches high, with 3/4" Pack Joint for CTS inlet by 3/4" Pack Joint for CTS outlet on an optional 15" extended outlet tube.

## Catalog Numbering

**METER SIZE & VALVE TYPE**  
1ST PART OF CATALOG NUMBER

**HEIGHT**  
2ND PART OF  
CATALOG NUMBER

**SERVICE LINE CONNECTIONS**  
3RD PART OF CATALOG NUMBER

VBHC92-15W-44-33  
with Standard  
Solder Clamp

Optional "BCL" bolted  
clamp construction

Standard solder clamp construction

Optional outlet tube extension.  
Vertical inlet and inlet  
extensions are also available.  
See page 25.

VBHC92-12W-44-33A

Optional "BRE"  
Bracing Eye  
(Available on  
solder clamp  
construction only)

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## METER SIZE & VALVE TYPE - (FIRST PART OF CATALOG NUMBER)



CATALOG NUMBER (METER SIZE AND VALVE TYPE)				DESCRIPTION	
FOR 5/8"	FOR 5/8"x3/4"	FOR 3/4"	FOR 1"	INLET VALVE	OUTLET VALVE
91	92	93	94	none	none
V91	V92	V93	V94	Key	none
VB91	VB92	VB93	VB94	Ball	none
VVG91*	VVG92*	VVG93*	VVG94*	Key	Compression
VV91	VV92	VV93	VV94	Key	Key
VH91	VH92	VH93	VH94	Key	Single check
VHH91	VHH92	VHH93	VHH94 $\Delta$	Key	Dual check
VHC91**	VHC92**	VHC93**	VHC94**	Key	Cartridge dual check
VBH91	VBH92	VBH93	VBH94	Ball	Single check
VBHH91	VBHH92	VBHH93	VBHH94 $\Delta$	Ball	Dual check
VBHC91**	VBHC92**	VBHC93**	VBHC94**	Ball	Cartridge dual check

\* Compression valve does not have padlock wing.

$\Delta$  1" Angle Cascading Dual Check Valves contain 3/4" internal components.

**Note:** Setters with angle ball valve will be reduced port unless otherwise requested. Reduced port valves usually provide suitable water flow. (Add "-FP" to end of catalog number for full port.)

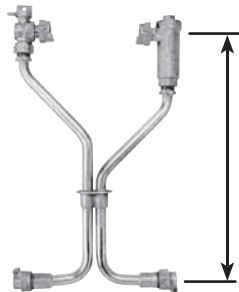
### METER VALVE OPTIONS FOR 90 SERIES COPPERSETTERS

Seal Wire Hole in Inlet Valve

Seal Wire Hole in Check Valve

## HEIGHT - (SECOND PART OF CATALOG NUMBER)

NOTE: Height dimensions are approximate.



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

CATALOG NUMBER	HEIGHT IN INCHES
12W	12
15W	15
18W	18
21W	21
24W	24

For 1" Meter

CATALOG NUMBER	HEIGHT IN INCHES
15W	15
18W	18
21W	21
24W	24

**Note:** \*\*90 Series Coppersetters with cartridge dual check valve have a 15" minimum height for 5/8" and 5/8" x 3/4", 3/4" meters and 18" minimum height for 1" meters.

### HEIGHT OPTION FOR 90 SERIES COPPERSETTERS

Coppersetters are available in heights over 24" in 3" increments; 27", 30", 33" etc.

To order put desired height in catalog number.

EXAMPLE: V92-33W-11-33 is a 33" high setter.

# The Ford 90 Series Coppersetter

For 5/8", 5/8"x3/4", 3/4" or 1" Meter Size

## INLET & OUTLET SERVICE LINE CONNECTIONS - (THIRD PART OF CATALOG NUMBER)



CATALOG NUMBER	DESCRIPTION	
	INLET CONNECTION	OUTLET CONNECTION
<b>Pack Joint by Pack Joint</b>		
◆ 44-33	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*
** 44-43	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*
** 44-44	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*
** 46-33	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for PE Pipe*
** 46-44	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PE Pipe*
** 47-33	3/4" P.J. for Copper or Plastic Tubing (CTS)	3/4" P.J. for PVC Pipe
** 47-44	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PVC Pipe
** 66-33	3/4" P.J. for PE Pipe*	3/4" P.J. for PE Pipe*
** 66-44	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*
** 67-44	1" P.J. for PE Pipe*	1" P.J. for PVC Pipe
** 76-44	1" P.J. for PVC Pipe	1" P.J. for PE Pipe*
** 77-33	3/4" P.J. for PVC Pipe	3/4" P.J. for PVC Pipe
** 77-44	1" P.J. for PVC Pipe	1" P.J. for PVC Pipe
<b>Pack Joint by Iron Pipe Thread and Double Purpose</b>		
** 16-33	3/4" Female Iron Pipe Union Swivel	3/4" P.J. for PE Pipe*
** 17-33	3/4" Female Iron Pipe Union Swivel	3/4" P.J. for PVC Pipe
*** 41-43	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel
*** 48-44	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Male Iron Pipe Union Swivel
** 61-33	3/4" P.J. for PE Pipe*	3/4" Female Iron Pipe Union Swivel
** 78-33	3/4" P.J. for PVC Pipe	3/4" Male Iron Pipe Union Swivel
** 71-33	3/4" P.J. for PVC Pipe	3/4" Female Iron Pipe Union Swivel
<b>Double Purpose, Iron Pipe Thread and Flare Copper</b>		
11-33	3/4" Double Purpose Union Swivel	3/4" Double Purpose Union Swivel
*** 11-44	1" Double Purpose Union Swivel	1" Double Purpose Union Swivel
*** 12-44	1" Double Purpose Union Swivel	1" Flare Copper
18-33	3/4" Double Purpose Union Swivel	3/4" Male Iron Pipe Union Swivel
*** 18-44	1" Double Purpose Union Swivel	1" Male Iron Pipe Union Swivel
21-33	3/4" Flare Copper	3/4" Double Purpose Union Swivel
*** 21-44	1" Flare Copper	1" Double Purpose Union Swivel
22-33	3/4" Flare Copper	3/4" Flare Copper
22-44	1" Flare Copper	1" Flare Copper
*** 28-44	1" Flare Copper	1" Male Iron Pipe Union Swivel
81-33	3/4" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel
** 81-43	1" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel
*** 81-44	1" Male Iron Pipe Union Swivel	1" Double Purpose Union Swivel
*** 82-44	1" Male Iron Pipe Union Swivel	1" Flare Copper
88-33	3/4" Male Iron Pipe Union Swivel	3/4" Male Iron Pipe Union Swivel
*** 88-44	1" Male Iron Pipe Union Swivel	1" Male Iron Pipe Union Swivel
MM-33	3/4" Integral Male Iron Pipe	3/4" Integral Male Iron Pipe

\* Grip Joint for CTS (all sizes) and PE pipe (3/4" & 1") is available. Add "-G" to the catalog number. Example: V92-12W-41-33-G

\*\* These connections are not available on V93 Series Coppersettors (with 15/16" O.D. copper tubing).

These connections are available on V92 Series Coppersettors (13/16" O.D. copper) with 3/4" meter spacing.

\*\*\*These connections are for V94 Series Coppersettors only.

◆ Quick Joint is available. Add "-Q" to the end of this catalog number.

### OPTIONS FOR 90 SERIES COPPERSETTERS

OPTION	EXTENSION TO CATALOG NUMBER
Brace Eye	Add "E" to Cat. No.
Bolted clamp construction	Add "C" to Cat. No.
15" outlet tube extension	Add "A" to Cat. No.
15" outlet tube extension & brace eye	Add "H" to Cat. No.
15" outlet tube extension & bolted clamp	Add "F" to Cat. No.
18" outlet tube extension	Add "B" to Cat. No.
18" outlet tube extension & brace eye	Add "K" to Cat. No.
18" outlet tube extension & bolted clamp	Add "J" to Cat. No.

For vertical inlet, place a "Z" before any of the listed option codes. Example: "ZA" is a vertical inlet and a 15" outlet tube extension.