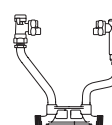
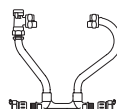
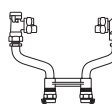
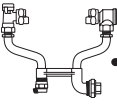
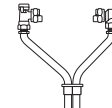
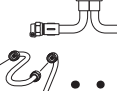


FORD COPPERSETTERS, LINESETTERS AND RESETTERS

SECTION F

ITEM	PAGE
Numbering System	F-2

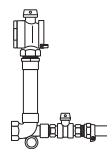
COPPERSETTERS

	70 Series Coppersetters	F-3
	5/8", 5/8" x 3/4" and 3/4"	F-4-7
	1"	F-8-9
	270 Series Coppersetters (require removable Pack Joint assemblies)	F-10
	5/8", 5/8" x 3/4", 3/4" and 1"	F-11-13
	80 Series Coppersetters - Vertical Inlet and Outlet	F-14
	5/8", 5/8" x 3/4" and 3/4"	F-14-15
	1"	F-14-15
	70-80 Series Coppersetters - Vertical Inlet and Horizontal Outlet	F-16
	5/8", 5/8" x 3/4" and 3/4"	F-16-17
	1"	F-17
	90 Series Coppersetters - with Optional Outlet Tube Extension	F-18
	5/8", 5/8" x 3/4" and 3/4"	F-18-21, 23
	1"	F-19, 20, 22-23
	Tandem Coppersetters and Tandem Resetters	F-24

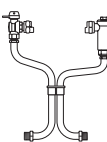
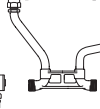
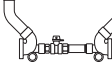
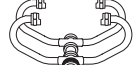
LINESETTERS

	Linesetters	
	5/8"	F-25
	5/8" x 3/4"	F-26-27
	3/4"	F-27
	1"	F-27-28

COPPERSETTERS FOR FLANGED METERS

	Coppersetters for 1-1/2" and 2" Flanged Meters	
	Horizontal Inlet and Outlet	F-29-32
	Vertical Inlet and Horizontal Outlet	F-33-34
	Vertical Inlet and Vertical Outlet	F-35-36
	Options and Components for 1-1/2" and 2" Coppersetters	F-37

RESETTERS

	30 Series "Flexible" Resetters for Meter Setting with Uneven Service Lines	F-38
	5/8", 5/8" x 3/4", 3/4" and 1"	F-39-40
	40 Series Resetters	F-41
	5/8", 5/8" x 3/4", 3/4" and 1" Meters	F-42-43
	Resetters for 1-1/2" and 2" Flanged Meters	F-44-46
	Type A and Type B Tandem Resetters	F-47
	Metering Manifolds	F-48

Note: Many products in this section are non-stock, non-returnable and subject to cancellation charges.

COPPERSETTERS, LINESETTERS AND RESETTERS

CATALOG SECTION F - NUMBERING SYSTEM

*Type of meter inlet valve & outlet valve

- V** = inlet key valve & no outlet valve
- VV** = inlet key valve & outlet key valve
- VVG** = inlet key valve & compression outlet valve
- VH** = inlet key valve & outlet single check valve
- Δ VHH** = inlet key valve & outlet cascading dual check valve
- **VHC** = inlet key valve & outlet cartridge dual check valve
- VB** = inlet ball valve & no outlet valve
- ***VBB** = inlet ball valve & outlet ball valve
- VBG** = inlet ball valve & outlet compression valve
- VBH** = inlet ball valve & outlet single check valve
- Δ VBHH** = inlet ball valve & outlet cascading dual check valve
- **VBHC** = inlet ball valve & outlet cartridge dual check valve
- T** = "T" in front of the catalog number indicates a tandem style setter
- * Coppersettors can be ordered less valves by omitting the above letters from the catalog number.
- ** Cartridges with enhanced chlorine/ chloramine resistance are available. Add "CR" to end of alpha code.
Example: VHC~~CR~~72-15W-44-33-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.

Meter Size

- 1** = 5/8" meter
- 2** = 5/8"x 3/4" meter
- 3** = 3/4" meter
- 4** = 1" meter
- 6** = 1-1/2" flanged meter
- 7** = 2" flanged meter

Setter Height (approximate)

- 7** = 7" high setter
- 8** = 8" high setter
- 9** = 9" high setter
- 10** = 10" high setter
- 12** = 12" high setter
- Setters above 12"
are made in 3" increments

Service Line Connection Size

- | | Inlet | Outlet |
|----------|--------|--------|
| 1 | 1/2" | |
| 3 | 3/4" | |
| 4 | 1" | |
| 5 | 1-1/4" | |
| 6 | 1-1/2" | |
| 7 | 2" | |

5/8" thru 1" Coppersettors only

W = Angle Meter Ball and Key Valves are **with** Padlock Wing
Compression valve **without** Padlock Wing

1-1/2" and 2" Coppersettors only

- B** = Bypass
- HB** = High Bypass
- BHC** = Bypass with dual check valve
- HBHC** = High Bypass with dual check valve (1-1/2" & 2" only)

-NL = No Lead alloy ▲

V72 - 12W - 44 - 33 - G - NL

Type of Setter

- 7** = 70 series coppersetter with horizontal inlet and outlet
- 27** = 270 series coppersetter with detachable pack joint assemblies for 5/8", 5/8" x 3/4", 3/4" and 1" meter
- 8** = 80 series coppersetter with vertical inlet and outlet
- 7-8** = 70-80 series coppersetter with vertical inlet and horizontal outlet
- 9** = 90 series coppersetter with horizontal inlet and outlet for 5/8", 5/8" x 3/4", 3/4" and 1" meter
- 4** = 40 series resetter to use when meter connections are available in existing services
- 3** = 30 series flexible resetter to use when meter nuts are available in existing services for 5/8", 5/8"x3/4", 3/4" and 1" meter

Inlet Outlet Service Line Connection Type

- 1** = Double Purpose Union Swivel (FIP for 1-1/2" & 2" Coppersettors)
- 2** = Flare Copper
- 4** = Pack Joint for CTS
- 6** = Pack Joint for PE Pipe
- 7** = Pack Joint for PVC Pipe (Schedule 40 & 80)
- 8** = Male Iron Pipe Union Swivel
- F** = Integral Female Iron Pipe (female iron pipe union swivel may be used when integral FIP is not available.)
- M** = Integral Male Iron Pipe Thread

Options

- G** = Grip nut compression fitting instead of pack joint nut. Available with CTS (3/4" - 2") and PE Pipe (3/4" & 1")
 - Q** = Quick Joint
 - TP6** = 1-1/2" Integral Test Port on Dual Check Valve for 1-1/2" and 2" Coppersettors with a shut-off valve below the Dual Check Valve
 - TW-Q** = CTS Quick Joint with Tracer Wire Terminal Ultra-Tite available with 3/4" and 1" CTS and PE Pipe (contact factory for pricing)
 - U** = Ultra-Tite available with 3/4" and 1" CTS and PE pipe where listed
- ### 90 Series Options
- A** = 15" Outlet Extension
 - B** = 18" Outlet Extension
 - C** = Bolted Clamp
 - E** = Brace Eye
 - F** = 15" Outlet Extension and Bolted Clamp
 - H** = 15" Outlet Extension and Brace Eye
 - J** = 18" Outlet Extension and Bolted Clamp
 - K** = 18" Outlet Extension and Brace Eye

Δ 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.

Note: A complete list of inlet and outlet options on following page.

Note: 5/8" x 3/4", 3/4" and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" to end of catalog number and contact the factory for pricing.

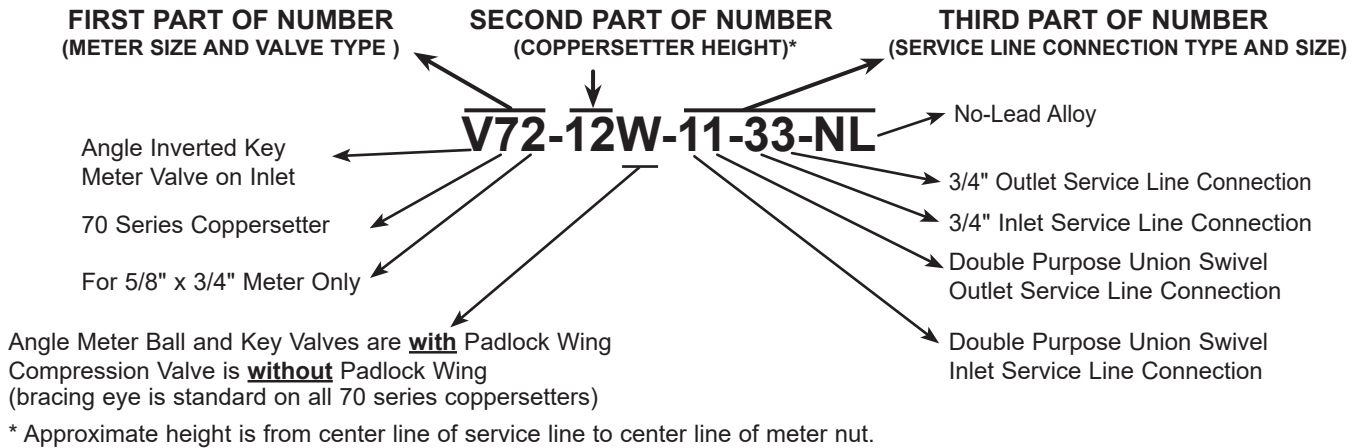
▲ Ford Meter Box no-lead brass products manufactured from UNS/CDA No. 89833 alloy shall contain no more than 0.25% total lead content by weight. United States federal and state laws allow the use of products manufactured from UNS C83600 85-5-5-5 brass alloy for only non-potable water systems within the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

Note: Many products in this section are non-stock, non-returnable and subject to cancellation charges.

70 SERIES COPPERSETTERS

Example of Catalog Number for a 70 Series Coppersetter



The description for the above catalog number reads: 70 series coppersetter for 5/8" x 3/4" meter with an angle inverted key meter valve on the inlet, 12" high with 3/4" double purpose union swivel inlet by 3/4" double purpose union swivel outlet.

TO ORDER: Select one catalog number component from each of three charts on pages 4-7 to arrive at the complete coppersetter catalog number. Selection order of components:

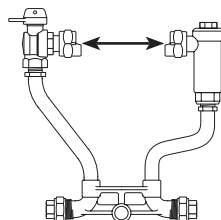
1. Meter size and valve type page 4 for 5/8", 5/8" x 3/4" and 3/4" meters - page 8 for 1" meters.
2. Coppersetter height..... page 5 for 5/8", 5/8" x 3/4" and 3/4" meters - page 8 for 1" meters.
3. Service line connections..... pages 6 and 7 for 5/8", 5/8" x 3/4" and 3/4" meters - page 9 for 1" meters.

F

Note: Many products in this section are non-stock, non-returnable and subject to cancellation charges.

71, 72 AND 73 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

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



CATALOG NUMBER (METER SIZE AND VALVE TYPE)			DESCRIPTION (METER CONNECTION)		APPROX. WT. LBS.	LIST PRICE
5/8"	5/8" x 3/4"	3/4"	INLET VALVE	OUTLET VALVE		
71	72	73	None	None	-	-
V71	V72	V73	Key	None	1.3	\$ 68.97
VB71	VB72	VB73	Ball	None	1.4	83.79
VBB71***	VBB72***	VBB73	Ball	Ball	2.7	167.56
VV71	VV72	VV73	Key	Key	2.5	137.87
VVG71*	VVG72*	VVG73*	Key	Compression	3.3	157.10
VH71	VH72	VH73	Key	Single Check	2.6	145.01
VHH71	VHH72	VHH73	Key	Cascading Dual Check	2.9	208.64
VHC71**	VHC72**	VHC73** ●	Key	Cartridge Dual Check	3.1	222.23
VBG71*	VBG72*	VBG73*	Ball	Compression	3.0	171.86
VBH71	VBH72	VBH73	Ball	Single Check	3.1	159.87
VBHH71	VBHH72	VBHH73	Ball	Cascading Dual Check	3.1	223.48
VBHC71**	VBHC72**	VBHC73** ●	Ball	Cartridge Dual Check	3.2	236.94

Note: 5/8" x 3/4", 3/4", and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

* Compression valve does not have padlock wing.

** 9" minimum height for 71 and 72 series coppersetters and 12" minimum height for 73 series coppersetters with cartridge dual check valve.

*** 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.

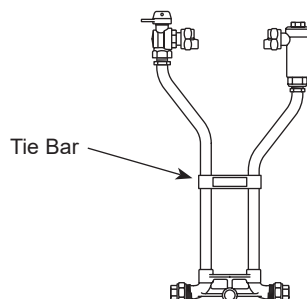
● Cartridges with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.

Example: VHC72-15W-44-33-NL. Add to price \$ 36.13

Note: Combine the appropriate weights from this page and the following page to determine the total coppersetter weight.

METER VALVE OPTIONS FOR 5/8", 5/8" X 3/4" and 3/4" 70 SERIES COPPERSETTERS

Seal wire hole in inlet valve, add to price \$ 1.66
Seal wire hole in check valve cap, add to price \$ 3.32

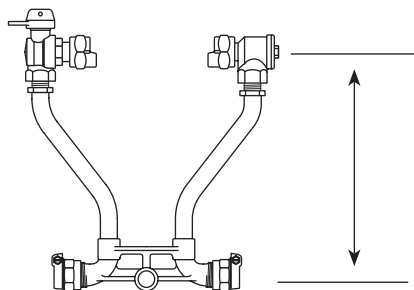


40, 70 AND 270 SERIES TIE BAR REQUIREMENTS				
COPPERSETTER HEIGHT	METER SIZE			
	5/8", 5/8" x 3/4", and 3/4"		1"	
	WITHOUT *HHCA	WITH *HHCA	WITHOUT *HHCA	WITH *HHCA
15" and Under	NO	NO	NO	NO
18"	YES	NO	NO	NO
21"	YES	YES	YES	NO
24" thru 39"	YES	YES	YES	YES
42" and higher	YES (2)	YES (2)	YES (2)	YES (2)

* HHCA represents a cartridge style dual check valve, which is designated with an "HC" in the coppersetter catalog number. **Example:** VHC72-15W-44-33-NL

71, 72 AND 73 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

APPROXIMATE HEIGHT - (SECOND PART OF CATALOG NUMBER)



71 SERIES FOR 5/8" METER

CATALOG NUMBER	COPPERSETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
7W	7"	2.8	\$ 70.25
9W	9"	3.0	72.82
12W	12"	3.2	79.91
15W	15"	3.4	88.74
18W	18"	4.1	118.63
21W	21"	4.3	127.04
24W	24"	4.7	136.23
27W	27"	4.8	146.98
30W	30"	5.1	155.94
33W	33"	5.4	165.04
36W	36"	5.6	173.52
39W	39"	5.9	182.87
42W	42"	6.2	192.23

72 SERIES FOR 5/8" x 3/4" METER

CATALOG NUMBER	COPPERSETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
7W	7"	2.9	\$ 74.77
9W	9"	3.1	77.24
12W	12"	3.3	84.15
15W	15"	3.5	93.04
18W	18"	4.2	123.36
21W	21"	4.4	131.68
24W	24"	4.7	140.87
27W	27"	4.9	151.77
30W	30"	5.2	160.60
33W	33"	5.5	169.89
36W	36"	5.7	178.15
39W	39"	6.0	187.48
42W	42"	6.3	196.86

73 SERIES FOR 3/4" METER

CATALOG NUMBER	COPPERSETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
8W	8"	4.5	\$ 114.93
12W	12"	4.8	122.28
15W	15"	5.1	132.15
18W	18"	6.0	176.15
21W	21"	6.3	190.76
24W	24"	6.7	201.36
27W	27"	7.0	213.01
30W	30"	7.3	225.56
33W	33"	7.6	236.49
36W	36"	7.9	246.38
39W	39"	8.2	259.25
42W	42"	8.5	272.19

HEIGHT OPTIONS FOR 5/8", 5/8" X 3/4" AND 3/4" 70 SERIES COPPERSETTERS

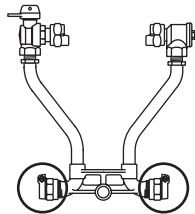
COPPERSETTERS OVER 42" CAN BE ORDERED IN 3" INCREMENTS.

INDICATE THE HEIGHT REQUIRED IN THE SECOND PART OF THE PART NUMBER.

FOR EACH ADDITIONAL 3" IN HEIGHT, ADD TO PRICE:

For 5/8", 71 series coppersetters \$ 7.31 per 3"
 For 5/8" x 3/4", 72 series coppersetters. \$ 7.31 per 3"
 For 3/4", 73 series coppersetters \$ 10.07 per 3"

F

71, 72 AND 73 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS**INLET AND OUTLET SERVICE LINE CONNECTIONS / BOTTOM BAR
(THIRD PART OF CATALOG NUMBER)****PACK JOINT BY PACK JOINT CONNECTIONS**

CATALOG NUMBER	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
▶♦ 44-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	\$ 77.04
▶♦ 66-33-NL	3/4" P.J. for PE Pipe*	3/4" P.J. for PE Pipe*	
• 77-33-NL	3/4" P.J. for PVC Pipe	3/4" P.J. for PVC Pipe	
▶♦ 46-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for PE Pipe*	
▶♦ 64-33-NL	3/4" P.J. for PE Pipe (PEP)	3/4" P.J. for Copper or Plastic Tubing (CTS)*	
▶♦ 47-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for PVC Pipe	
▶♦ 74-33-NL	3/4" P.J. for PVC Pipe	3/4" P.J. for Copper or Plastic Tubing (CTS)*	97.63
♦ 44-43-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	
♦ 44-44-NL	1" Q.J. for Copper or Plastic Tubing (CTS)	1" Q.J. for Copper or Plastic Tubing (CTS)	
▶♦ 44-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	
▶♦ 66-44-NL	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	
• 77-44-NL	1" P.J. for PVC Pipe	1" P.J. for PVC Pipe	
▶♦ 46-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PE Pipe*	110.05
▶♦ 64-44-NL	1" P.J. for PE Pipe*	1" P.J. for Copper or Plastic Tubing (CTS)*	
▶♦ 47-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PVC Pipe	
▶♦ 74-44-NL	1" P.J. for PVC Pipe	1" P.J. for Copper or Plastic Tubing (CTS)*	
▶♦ 67-44-NL	1" P.J. for PE Pipe*	1" P.J. for PVC Pipe	
▶♦ 76-44-NL	1" P.J. for PVC Pipe	1" P.J. for PE Pipe*	

F**PACK JOINT BY IRON PIPE THREAD AND DOUBLE PURPOSE CONNECTIONS**

CATALOG NUMBER	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
♦ 4M-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Integral Male Iron Pipe Thread	\$ 65.39
▶♦ 14-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for Copper or Plastic Tubing (CTS)*	81.00
▶♦ 41-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	
▶♦ 48-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Male Iron Pipe Union Swivel	
▶♦ 84-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for Copper or Plastic Tubing (CTS)*	
▶♦ 16-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for PE Pipe*	
▶♦ 61-33-NL	3/4" P.J. for PE Pipe*	3/4" Double Purpose Union Swivel Δ	
• 17-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for PVC Pipe	
• 71-33-NL	3/4" P.J. for PVC Pipe	3/4" Double Purpose Union Swivel Δ	
▶♦ 68-33-NL	3/4" P.J. for PEP Pipe*	3/4" Male Iron Pipe Union Swivel	
▶♦ 86-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for PEP Pipe*	
• 78-33-NL	3/4" P.J. for PVC Pipe	3/4" Male Iron Pipe Union Swivel	
• 87-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for PVC Pipe	
♦ 48-34-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	1" Male Iron Pipe Union Swivel	97.63
♦ 84-43-NL	1" Male Iron Pipe Union Swivel	3/4" P.J. for Copper or Plastic Tubing (CTS)*	110.05
▶♦ 84-44-NL	1" Male Iron Pipe Union Swivel	1" P.J. for Copper or Plastic Tubing (CTS)*	
▶♦ 48-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Male Iron Pipe Union Swivel	
• 78-44-NL	1" P.J. for PVC Pipe	1" Male Iron Pipe Union Swivel	
• 87-44-NL	1" Male Iron Pipe Union Swivel	1" P.J. for PVC Pipe	97.53
• 41-43-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	
• 14-34-NL	3/4" Double Purpose Union Swivel Δ	1" P.J. for Copper or Plastic Tubing (CTS)*	
• 61-43-NL	1" P.J. for PE Pipe*	3/4" Double Purpose Union Swivel Δ	
• 16-34-NL	3/4" Double Purpose Union Swivel Δ	1" P.J. for PE Pipe*	
• 17-34-NL	3/4" Double Purpose Union Swivel Δ	1" P.J. for PVC Pipe	
• 71-43-NL	1" P.J. for PVC Pipe	3/4" Double Purpose Union Swivel Δ	110.05
• 4F-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Female Iron Pipe Union Swivel	
• F4-44-NL	1" Female Iron Pipe Union Swivel	1" P.J. for Copper or Plastic Tubing (CTS)*	
• 6F-44-NL	1" P.J. for PE Pipe*	1" Female Iron Pipe Union Swivel	
• F6-44-NL	1" Female Iron Pipe Union Swivel	1" P.J. for PE Pipe*	
• 7F-44-NL	1" P.J. for PVC Pipe	1" Female Iron Pipe Union Swivel	110.05
• F7-44-NL	1" Female Iron Pipe Union Swivel	1" P.J. for PVC Pipe	

* **Grip Joint** for CTS and PEP (3/4" and 1") is available. Insert "-G" into the catalog number. Example: 14-33-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number.

• These connections are not available on 73 series coppersettors (with 15/16" O.D. copper tubing). These coppersettors will have 13/16" O.D. tubing with 3/4" meter spacing. Order as a 73 series, but add this price to the 72 series equivalent. **\$ 17.53**

Δ **Double purpose union swivels** will accommodate male iron pipe threads or flare copper.

▶ **Ultra-Tite** is available. Contact factory for pricing and availability.

71, 72 AND 73 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS**INLET AND OUTLET SERVICE LINE CONNECTIONS / BOTTOM BAR
(THIRD PART OF CATALOG NUMBER)****DOUBLE PURPOSE, IRON PIPE THREADS AND FLARE COPPER CONNECTIONS**

CATALOG NUMBER	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
11-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Double Purpose Union Swivel Δ	\$ 85.01
22-33-NL	3/4" Flare Copper	3/4" Flare Copper	
88-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Male Iron Pipe Union Swivel	
21-33-NL	3/4" Flare Copper	3/4" Double Purpose Union Swivel Δ	
81-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel Δ	
18-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Male Iron Pipe Union Swivel	
81-43-NL	1" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel Δ	53.76
• FF-33-NL	3/4" Integral Female Iron Pipe	3/4" Integral Female Iron Pipe	
MM-33-NL	3/4" Integral Male Iron Pipe	3/4" Integral Male Iron Pipe	
11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	118.85
FF-44-NL	1" Female Iron Pipe Union Swivel	1" Female Iron Pipe Union Swivel	110.05
22-44-NL	1" Flare Copper	1" Flare Copper	
88-44-NL	1" Male Iron Pipe Union Swivel	1" Male Iron Pipe Union Swivel	

Δ Double purpose union swivels will accommodate male iron pipe threads or flare copper.

PARTS FOR 5/8", 5/8" X 3/4" AND 3/4" 70 SERIES COPPERSETTERS

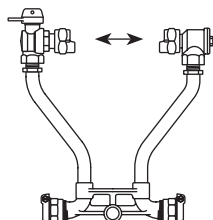
CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.	LIST PRICE
CSSUN4-33-Q-NL	3/4" CTS Quick Joint Swivel and Union Nut Assembly (w/ Quick Joint nut)	1.1	\$ 40.64
☒ CSUN-3	Union Nut only	0.2	8.39
CSS8-33-NL	3/4" Male Iron Pipe Thread Swivel Only	0.5	10.73
CSS1-33-NL	3/4" Female Iron Pipe Thread Swivel Only	0.2	10.73
○ CSSS-33-CR-NL	3/4" Solder Swivel Only	0.2	10.73
CSS4-33-NL	3/4" CTS Pack Joint Swivel Only (w/ P.J. nut)	0.7	29.89
CSS8-34-NL	1" Male Iron Pipe Thread Swivel Only	0.4	17.23
○ CSSS-34-CR-NL	1" Solder Swivel Only	0.2	
CSSUN1-33-NL	3/4" Female Iron Pipe Thread Swivel and Union Nut Assembly	0.4	19.12
CSSUN1-34-NL	1" Female Iron Pipe Thread Swivel and Union Nut Assembly	0.9	36.76
CSSUN4-33-NL	3/4" CTS Pack Joint Swivel and Union Nut Assembly	0.9	40.64
CSSUN4-33-Q-NL	3/4" CTS Quick Joint Swivel and Union Nut Assembly	1.1	40.64
CSSUN4-34-NL	1" CTS Pack Joint Swivel and Union Nut Assembly	1.5	64.53
CSSUN4-34-Q-NL	1" CTS Quick Joint Swivel and Union Nut Assembly	1.5	64.53
CSA4-33-Q-NL	3/4" CTS Quick Joint Adapter for 3/4" Double Purpose Nose	1.0	43.44
CSA4-33-U-NL	3/4" Female Double Purpose x 3/4" CTS Ultra-Tite	0.7	43.44
CSA4-44-U-NL	1" Female Double Purpose x 1" CTS Ultra-Tite	0.9	72.72
CSA6-33-U-NL	3/4" Female Double Purpose x 3/4" PEP Ultra-Tite	0.8	66.10
CSA6-44-U-NL	1" Female Double Purpose x 1" PEP Ultra-Tite	1.0	74.07
CSA7-33-NL	3/4" PVC Pack Joint Adapter for PVC for 3/4" Double Purpose Nose	1.1	66.10
HHSCS8-333-NL	3/4" Dual Check Valve with Valve Copperhorn Union Swivel Inlet and 3/4" MIP Outlet (unit attaches directly to setter bottom bar)	1.8	151.83
GT-205	3/4" Composition Gasket for Double Purpose Connection	-	2.35
GT-206	1" Composition Gasket for Double Purpose Connection	-	3.16

Pack Joint nuts and parts are listed in Section J.

- These connections are not available on 73 series coppersettors (with 15/16" O.D. copper tubing). These coppersettors will have 13/16" O.D. tubing with 3/4" meter spacing. Order as a 73 series, but add this price to the 72 series equivalent **\$ 17.53**
- **Attention:** Special solder and procedures are required for best results. Contact factory or see website for installation instructions.
- ☒ Item does not come in contact with potable water and is manufactured of UNS/CDA No. C83600 alloy.

74 SERIES COPPERSETTERS FOR 1" METERS

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



CATALOG NUMBER (METER SIZE AND VALVE TYPE) FOR 1"	DESCRIPTION		APPROX. WT. LBS.	LIST PRICE
	INLET VALVE	OUTLET VALVE		
74	None	None	-	-
V74	Key	None	1.9	\$ 105.74
VB74	Ball	None	2.3	168.17
VBB74	Ball	Ball	4.4	336.31
VV74	Key	Key	3.8	211.36
VVG74*	Key	Compression	4.3	246.61
VH74	Key	Single Check	3.5	197.11
VHH74	Key	Cascading Dual Check ▼	3.8	250.90
VHC74**	Key	Cartridge Dual Check ●	4.9	371.52
VBG74*	Ball	Compression	4.7	309.04
VBH74	Ball	Single Check	4.0	259.58
VBHH74	Ball	Cascading Dual Check ▼	4.3	313.39
VBHC74**	Ball	Cartridge Dual Check ●	5.4	434.01

▼ 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.

Note: 5/8" x 3/4", 3/4", and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

- Cartridges with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code. Example: VHCCR74-15W-44-33-NL. Add to price \$ 45.81

* Compression valve does not have padlock wing.

** 12" minimum height for 74 series coppersetters with cartridge dual check valve.

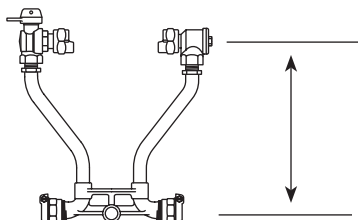
METER VALVE OPTIONS FOR 1" 70 SERIES COPPERSETTERS

Seal wire hole in inlet valve, add to price \$ 1.66

Seal wire hole in check valve cap, add to price. \$ 3.32

Note: Combine the appropriate weights from both tables on this page to determine the total coppersetter weight.

APPROXIMATE HEIGHT - (SECOND PART OF CATALOG NUMBER)



CATALOG NUMBER	COPPERSETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
10W	10"	5.2	\$ 157.04
12W	12"	5.3	165.98
15W	15"	5.6	176.88
18W	18"	7.1	241.38
21W	21"	7.4	264.77
24W	24"	7.8	271.89
27W	27"	8.1	300.07
30W	30"	8.4	319.56
33W	33"	8.7	337.48
36W	36"	9.0	354.87
39W	39"	9.3	369.89
42W	42"	9.6	384.85

HEIGHT OPTIONS FOR 1" 70 SERIES COPPERSETTERS

COPPERSETTERS OVER 42" CAN BE ORDERED IN 3" INCREMENTS.

INDICATE THE HEIGHT REQUIRED IN THE SECOND PART OF THE PART NUMBER.

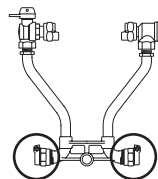
FOR EACH ADDITIONAL 3" IN HEIGHT, ADD TO PRICE:

For 1" 70 series coppersetters \$ 11.74

74 SERIES COPPERSETTERS FOR 1" METERS

INLET AND OUTLET SERVICE LINE CONNECTIONS / BOTTOM BAR
(THIRD PART OF CATALOG NUMBER)

PACK JOINT BY PACK JOINT CONNECTIONS



CATALOG NUMBER	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
▶ ♦ 44-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	\$ 149.65
▶ 66-44-NL	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	\$ 185.77
▶ 77-44-NL	1" P.J. for PVC Pipe	1" P.J. for PVC Pipe	
▶ 46-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PE Pipe*	
▶ 64-44-NL	1" P.J. for PE Pipe*	1" P.J. for Copper or Plastic Tubing (CTS)*	
▶ 47-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PVC Pipe	
▶ 74-44-NL	1" P.J. for PVC Pipe	1" P.J. for Copper or Plastic Tubing (CTS)*	
▶ 67-44-NL	1" P.J. for PE Pipe*	1" P.J. for PVC Pipe	
▶ 76-44-NL	1" P.J. for PVC Pipe	1" P.J. for PE Pipe*	

PACK JOINT, IRON PIPE THREAD AND DOUBLE PURPOSE UNION SWIVEL CONNECTIONS

CATALOG NUMBER	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
▶ ♦ 14-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for Copper or Plastic Tubing (CTS)*	\$ 173.87
▶ ♦ 41-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Double Purpose Union Swivel Δ	
▶ ♦ 48-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Male Iron Pipe Union Swivel	
▶ ♦ 84-44-NL	1" Male Iron Pipe Union Swivel	1" P.J. for Copper or Plastic Tubing (CTS)*	
▶ 16-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for PE Pipe*	
▶ 61-44-NL	1" P.J. for PE Pipe*	1" Double Purpose Union Swivel Δ	
▶ 17-44-NL	1" Female Iron Pipe Union Swivel	1" P.J. for PVC Pipe	
▶ 71-44-NL	1" P.J. for PVC Pipe	1" Double Purpose Union Swivel Δ	

IRON PIPE AND FLARE CONNECTIONS

CATALOG NUMBER	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	\$ 153.03
22-44-NL	1" Flare Copper	1" Flare Copper	
88-44-NL	1" Male Iron Pipe Union Swivel	1" Male Iron Pipe Union Swivel	
12-44-NL	1" Double Purpose Union Swivel Δ	1" Flare Copper	
21-44-NL	1" Flare Copper	1" Double Purpose Union Swivel Δ	
18-44-NL	1" Double Purpose Union Swivel Δ	1" Male Iron Pipe Union Swivel	
81-44-NL	1" Male Iron Pipe Union Swivel	1" Double Purpose Union Swivel Δ	
28-44-NL	1" Flare Copper	1" Male Iron Pipe Union Swivel	
82-44-NL	1" Male Iron Pipe Union Swivel	1" Flare Copper	
FF-55-NL	1-1/4" Female Iron Pipe Union Swivel	1-1/4" Female Iron Pipe Union Swivel	
MM-44-NL	1" Integral Male Iron Pipe	1" Integral Male Iron Pipe	166.28
MM-66-NL	1-1/2" Integral Male Iron Pipe	1-1/2" Integral Male Iron Pipe	109.44
88-55-NL	1-1/4" Male Iron Pipe Union Swivel	1-1/4" Male Iron Pipe Union Swivel	191.15
			166.28

PARTS FOR 1" 74 SERIES COPPERSETTERS

CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.	LIST PRICE
CSA4-44-U-NL	1" Ultra-Tite Pack Joint (CTS) for 1" Double Purpose	0.9	\$ 72.72
CSA6-44-U-NL	1" Ultra-Tite Pack Joint (PEP) for 1" Double Purpose	1.0	74.07
CSA7-44-NL	1" Pack Joint PVC Adapter for Double Purpose Nose	2.0	74.07
CSS8-44-NL	1" Male Iron Pipe Thread Swivel Only	0.5	17.23
CSS1-44-NL	1" Female Iron Pipe Thread Swivel Only	0.3	
○ CSSS-44-CR-NL	1" Solder Swivel Only	0.3	
CSS8-45-NL	1-1/4" Male Iron Pipe Thread Swivel Only	0.7	30.76
CSSUN1-44-NL	1" Female Iron Pipe Thread Swivel and Union Nut Assembly	0.7	30.67
☒ CSUN-4	Union Nut Only	0.4	13.46

Pack Joint nuts are listed in section J.

○ Attention: Special solder and procedures are required for best results. Contact factory or see website for installation instructions.

* Grip Joint for CTS and PEP is available. Insert "-G" into the catalog number.

♦ Quick Joint is available. Insert "-Q" into the catalog number.

▶ Ultra-Tite is available. Contact factory for pricing and availability.

Δ Double purpose union swivels will accommodate male iron pipe threads or flare copper.

☒ Item does not come in contact with potable water and is manufactured of UNS/CDA No. C83600 alloy.

270 SERIES COPPERSETTERS FOR REMOVABLE PACK JOINT ASSEMBLIES
(for installing meters in existing service lines)

Prices listed are for coppersetters, LESS the Pack Joint assemblies which are priced separately on page F-13.

Example of Catalog Number for a 270 Series Coppersetter

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

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

Approximate height is from
center line of service line to
center line of meter nut

V272-12W-NL

Angle Inverted Key
Meter Valve on Inlet

270 Series Coppersetter with
Detachable Pack Joint
Assemblies

For 5/8" x 3/4" Meter Only

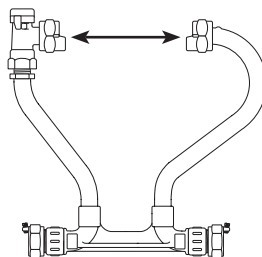
Angle Meter Ball and Key Valves
are with Padlock Wing
Compression Valve is without
Padlock Wing

No-Lead Alloy

The description for the above catalog number reads: A 270 series coppersetter for 5/8" x 3/4" meter with an angle inverted key meter inlet valve that is 12" high.

- TO ORDER:** Select one catalog number component from each of two charts on pages 11 and 12 to arrive at the complete coppersetter catalog number. Additionally, service line connections are removable Pack Joint assemblies and are ordered and priced separately. Selection order of components:
1. Meter size and valve typepage 11
 2. Coppersetter height page 12
 3. Service line connections (removable Pack Joint assemblies) page 13

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



271, 272 AND 273 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

CATALOG NUMBER (METER SIZE AND VALVE TYPE)			DESCRIPTION		APPROX. WT. LBS.	LIST PRICE
5/8"	5/8" x 3/4"	3/4"	INLET VALVE	OUTLET VALVE		
271	272	273	None	None	-	-
V271	V272	V273	Key	None	1.3	\$ 68.97
VB271	VB272	VB273	Ball	None	1.4	83.79
VBB271***	VBB272***	VBB273	Ball	Ball	2.7	167.56
VV271	VV272	VV273	Key	Key	2.5	137.87
VVG271*	VVG272*	VVG273*	Key	Compression	3.3	157.10
VH271	VH272	VH273	Key	Single Check	2.6	145.01
VHH271	VHH272	VHH273	Key	Cascading Dual Check	2.9	208.64
VHC271**	VHC272**	VHC273** ●	Key	Cartridge Dual Check	3.1	222.23
VBG271*	VBG272*	VBG273*	Ball	Compression	3.0	171.86
VBH271	VBH272	VBH273	Ball	Single Check	3.1	159.87
VBHH271	VBHH272	VBHH273	Ball	Cascading Dual Check	3.1	223.48
VBHC271**	VBHC272**	VBHC273** ●	Ball	Cartridge Dual Check	3.2	236.94

* Compression valve does not have padlock wing.

** 9" minimum height for 271 and 272 series coppersettors and 12" minimum height for 273 series coppersettors with cartridge dual check valve.

*** 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.

● Cartridges with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.

Example: VHC~~CR~~273-15W-NL. Add to price \$ 36.13

Note: Combine the appropriate weights from this page and the following page to determine the total coppersetter weight.

274 SERIES COPPERSETTERS FOR 1" METERS

CATALOG NUMBER (METER SIZE AND VALVE TYPE) FOR 1"	DESCRIPTION		APPROX. WT. LBS.	LIST PRICE
	INLET VALVE	OUTLET VALVE		
274	None	None	-	-
V274	Key	None	1.9	\$ 105.74
VB274	Ball	None	2.3	168.17
VBB274	Ball	Ball	4.4	336.31
VV274	Key	Key	3.8	211.36
VVG274*	Key	Compression	4.3	246.61
VH274	Key	Single Check	3.5	197.11
VHH274	Key	Cascading Dual Check ▼	3.8	250.90
VHC274**	Key	Cartridge Dual Check ●	4.9	371.52
VBH274	Ball	Single Check	4.0	259.58
VBG274*	Ball	Compression	4.3	309.04
VBHH274	Ball	Cascading Dual Check ▼	4.3	313.39
VBHC274**	Ball	Cartridge Dual Check ●	5.4	434.01

▼ 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.

Note: 5/8" x 3/4", 3/4", and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

● Cartridges with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.

Example: VHC~~CR~~274-15W-NL. Add to price \$ 45.81

* Compression valve does not have a padlock wing.

** 12" minimum height for 274 series coppersettors with cartridge dual check valve.

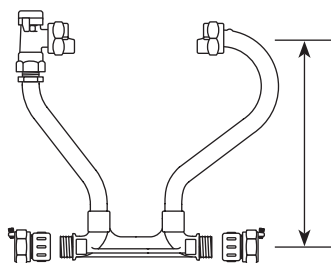
Note: Combine the appropriate weights from this page and the following page to determine the total coppersetter weight.

METER VALVE OPTIONS FOR 5/8", 5/8" X 3/4" and 3/4" 270 SERIES COPPERSETTERS

Seal wire hole in inlet valve, add to price \$ 1.66

Seal wire hole in check valve cap, add to price \$ 3.32

APPROXIMATE HEIGHT - (SECOND PART OF CATALOG NUMBER)



271 SERIES FOR 5/8" METER

CATALOG NUMBER	COPPERSETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
7W-NL	7"	2.5	\$ 117.35
9W-NL	9"	2.7	119.82
12W-NL	12"	2.9	127.03
15W-NL	15"	3.1	135.81
18W-NL	18"	3.8	165.74
21W-NL	21"	4.0	174.15
24W-NL	24"	4.3	183.30

272 SERIES FOR 5/8" X 3/4" METER

CATALOG NUMBER	COPPERSETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
7W-NL	7"	2.6	\$ 121.79
9W-NL	9"	2.8	124.34
12W-NL	12"	3.0	131.32
15W-NL	15"	3.2	140.12
18W-NL	18"	3.9	170.37
21W-NL	21"	4.1	178.86
24W-NL	24"	4.4	187.99

273 SERIES FOR 3/4" METER

CATALOG NUMBER	COPPERSETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
8W-NL	8"	3.7	\$ 161.48
12W-NL	12"	4.0	168.77
15W-NL	15"	4.3	178.62
18W-NL	18"	5.2	222.61
21W-NL	21"	5.5	237.17
24W-NL	24"	5.9	247.83

274 SERIES FOR 1" METER

CATALOG NUMBER	COPPERSETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
10W-NL	10"	4.9	\$ 258.27
12W-NL	12"	5.0	267.27
15W-NL	15"	5.3	278.20
18W-NL	18"	6.8	342.64
21W-NL	21"	7.1	366.11
24W-NL	24"	7.5	383.29

HEIGHT OPTIONS FOR 5/8", 5/8" X 3/4", 3/4" AND 1" 270 SERIES COPPERSETTERS

COPPERSETTERS OVER 24" CAN BE ORDERED IN 3" INCREMENTS.

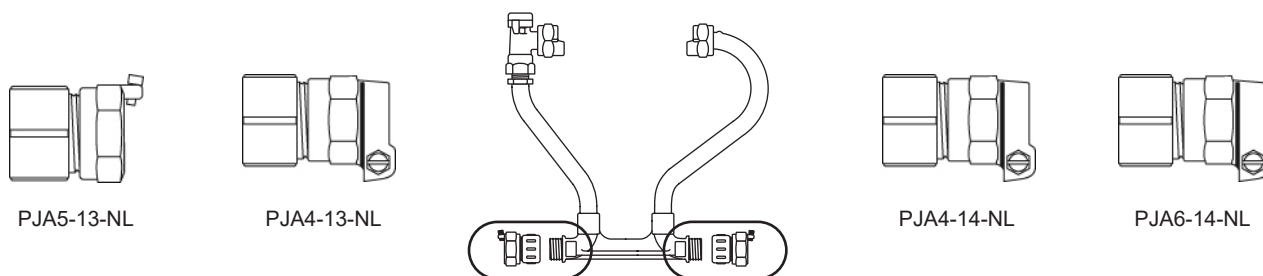
INDICATE THE HEIGHT REQUIRED IN THE SECOND PART OF THE PART NUMBER.

FOR EACH ADDITIONAL 3" IN HEIGHT, ADD TO PRICE:

For 5/8" (V271) coppersetters	\$ 7.31
For 5/8" x 3/4" (V272) coppersetters	\$ 7.31
For 3/4" (V273) coppersetters	\$ 10.07
For 1" (V274) coppersetters	\$ 11.74

INLET AND OUTLET SERVICE LINE CONNECTIONS

PACK JOINT ASSEMBLIES FOR 270 SERIES COPPERSETTERS


PACK JOINT ASSEMBLIES FOR 5/8", 5/8" X 3/4" AND 3/4" 270 SERIES COPPERSETTERS
 (two required per coppersetter)

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
	SIZE AND TYPE OF EXISTING PIPE	P.J. ASSEMBLY REQUIRED			
♦ PJA4-11-NL	1/2" Copper or Plastic Tube	1/2" Pack Joint for Copper or Plastic Tubing (CTS)*	0.6	25	\$ 29.29 ea.
♦ PJA4-13-NL	3/4" Copper or Plastic Tube	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	0.6	25	26.59 ea.
PJA4-14-NL	1" Copper or Plastic Tube	1" Pack Joint for Copper or Plastic Tubing (CTS)*	0.8	20	33.39 ea.
• PJA4-15-PJA6-14-NL	1-1/4" Copper or Plastic Tube	1-1/4" Pack Joint for Copper or Plastic Tubing (CTS)*	1.3	10	60.78 ea.
** PJA4-16-AWT-NL	1-1/2" Copper or Plastic Tube	1-1/2" Pack Joint for Copper or Plastic Tubing (CTS)*	2.2	-	131.21 ea.
PJA5-11-NL	1/2" Iron Pipe	1/2" Pack Joint for Iron Pipe	0.5	30	24.72 ea.
PJA5-13-NL	3/4" Iron Pipe	3/4" Pack Joint for Iron Pipe	0.5	25	26.59 ea.
PJA5-14-NL	1" Iron Pipe	1" Pack Joint for Iron Pipe	1.0	10	46.24 ea.
PJA5-15-NL	1-1/4" Iron Pipe	1-1/4" Pack Joint for Iron Pipe	1.8	-	97.62 ea.
** PJA5-16-AWT-NL	1-1/2" Iron Pipe	1-1/2" Pack Joint for Iron Pipe	2.3	-	136.51 ea.
PJA6-13-NL	3/4" Polyethylene Pipe	3/4" Pack Joint for P.E. Pipe*	0.7	20	35.37 ea.
• PJA4-15-PJA6-14-NL	1" Polyethylene Pipe	1" Pack Joint for P.E. Pipe*	1.3	10	60.78 ea.
** PJA6-15-AWT-NL	1-1/4" Polyethylene Pipe	1-1/4" Pack Joint for P.E. Pipe	1.3	-	110.28 ea.
** PJA6-16-IDR7-AWT-NL	1-1/2" Polyethylene Pipe	1-1/2" Pack Joint for P.E. Pipe	3.2	-	152.58 ea.
PJA7-11-NL	1/2" PVC Pipe	1/2" Pack Joint for PVC Pipe	0.6	-	28.43 ea.
PJA7-13-NL	3/4" PVC Pipe	3/4" Pack Joint for PVC Pipe	0.7	22	34.00 ea.
PJA7-14-NL	1" PVC Pipe	1" Pack Joint for PVC Pipe	1.2	10	63.41 ea.
PJA7-15-NL	1-1/4" PVC Pipe	1-1/4" Pack Joint for PVC Pipe	1.7	8	115.01 ea.
** PJA7-16-AWT-NL	1-1/2" PVC Pipe	1-1/2" Pack Joint for PVC Pipe	2.3	-	161.15 ea.

** Note: These items are not one piece but are two adapter pieces assembled water tight.

* Grip Joint for CTS (3/4"-2") and PEP (3/4" and 1") is available. Insert "-G" into the catalog number. Example: PJA4-13-G-NL

♦ Quick Joint is available. Insert "-Q" into the catalog number. Example: PJA4-13-Q-NL

• This Pack Joint assembly is for use on 1-1/4" copper or plastic tubing (CTS) or 1" PE Pipe.

PACK JOINT ELL ASSEMBLIES 5/8", 5/8" X 3/4" AND 3/4" 270 SERIES COPPERSETTERS
 (two required per coppersetter)

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
	SIZE AND TYPE OF EXISTING PIPE	P.J. ASSEMBLY REQUIRED			
PJAL4-13-NL	3/4" Copper or Plastic Tube	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	0.8	-	\$ 61.96 ea.
PJAL6-13-NL	3/4" Polyethylene Pipe	3/4" Pack Joint for P.E. Pipe*	0.9	-	68.85 ea.

PACK JOINT ASSEMBLIES FOR 1" 274 SERIES COPPERSETTERS
 (two required per coppersetter)

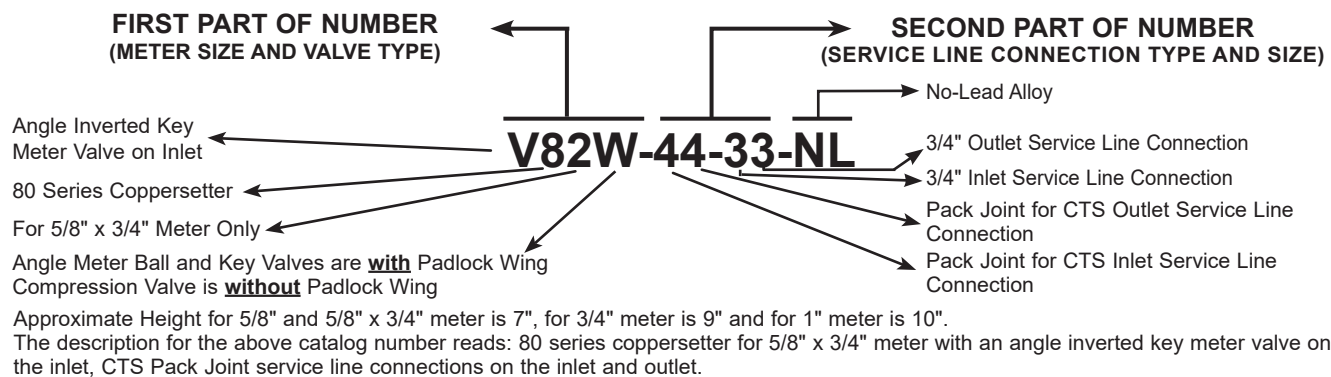
CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
	SIZE AND TYPE OF EXISTING PIPE	P.J. ASSEMBLY REQUIRED			
♦ PJA4-44-C14-54-NL	1" Copper or Plastic Tube	1" Pack Joint for Copper or Plastic Tubing (CTS)*	0.9	12	\$ 50.81 ea.
♦ PJA4-45-C14-55-NL	1-1/4" Copper or Plastic Tube	1-1/4" Pack Joint for Copper or Plastic Tubing (CTS)*	1.7	10	86.55 ea.
PJA4-46-C14-56-NL	1-1/2" Copper or Plastic Tube	1-1/2" Pack Joint for Copper or Plastic Tubing (CTS)*	1.6	10	108.24 ea.
PJA5-44-C15-54-NL	1" Iron Pipe	1" Pack Joint for Iron Pipe	1.1	10	58.11 ea.
PJA5-45-C15-55-NL	1 1/4" Iron Pipe	1-1/4" Pack Joint for Iron Pipe	1.2	8	71.37 ea.
PJA5-46-C15-56-NL	1 1/2" Iron Pipe	1-1/2" Pack Joint for Iron Pipe	1.9	6	101.23 ea.
PJA6-44-C16-54-NL	1" Polyethylene Pipe	1" Pack Joint for P.E. Pipe *	1.7	10	67.70 ea.
PJA6-45-C16-55-NL	1-1/4" Polyethylene Pipe	1-1/4" Pack Joint for P.E. Pipe	1.6	8	79.32 ea.
PJA6-46-C16-56-IDR7-NL	1-1/2" Polyethylene Pipe	1-1/2" Pack Joint for P.E. Pipe	2.8	-	117.28 ea.
PJA7-44-C17-54-NL	1" PVC Pipe	1" Pack Joint for PVC Pipe	1.4	10	58.11 ea.
PJA7-45-C17-55-NL	1-1/4" PVC Pipe	1-1/4" Pack Joint for PVC Pipe	1.6	8	82.23 ea.
PJA7-46-C17-56-NL	1-1/2" PVC Pipe	1-1/2" Pack Joint for PVC Pipe	2.4	4	125.80 ea.

* Grip Joint for CTS (3/4"-2") and PEP (3/4" and 1") is available. Insert "-G" into the catalog number. Example: PJA4-45-C14-55-G-NL

♦ Quick Joint is available. Insert "-Q" into the catalog number. Example: PJA4-44-C14-54-Q-NL

80 SERIES COPPERSETTERS VERTICAL INLET AND OUTLET

Example of Catalog Number for an 80 Series Coppersetter



TO ORDER: Select one catalog number component from each of the two charts on pages 14 and 15 to arrive at the complete coppersetter catalog number. Selection order of components:

1. Meter size and valve type. page 14
2. Service line connections. page 15

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

81, 82 AND 83 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

CATALOG NUMBER (METER SIZE AND TYPE)			DESCRIPTION		APPROX. WT. LBS.	LIST PRICE
5/8"	5/8" x 3/4"	3/4"	INLET VALVE	OUTLET VALVE		
V81W	V82W	V83W	Key	None	4.2	\$ 68.97
VB81W	VB82W	VB83W	Ball	None	4.3	83.79
VBB81W***	VBB82W***	VBB83W	Ball	Ball	5.6	167.56
VVG81W*	VVG82W*	VVG83W*	Key	Compression	6.2	157.10
VV81W	VV82W	VV83W	Key	Key	5.4	137.87
VH81W	VH82W	VH83W	Key	Single Check	5.5	145.01
VHH81W	VHH82W	VHH83W	Key	Cascading Dual Check	5.8	208.64
VHC81W**	VHC82W**	VHC83W**	Key	Cartridge Dual Check •	6.2	222.23
VBG81W*	VBG82W*	VBG83W*	Ball	Compression	5.9	171.86
VBH81W	VBH82W	VBH83W	Ball	Single Check	6.0	159.87
VBHH81W	VBHH82W	VBHH83W	Ball	Cascading Dual Check	6.0	223.48
VBHC81W**	VBHC82W**	VBHC83W**	Ball	Cartridge Dual Check •	6.3	236.94

- Cartridges with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.
Example: VBHC83W-15W-44-33-NL. Add to price. \$ 36.13

84 SERIES COPPERSETTERS FOR 1" METERS

CATALOG NUMBER (METER SIZE AND VALVE TYPE) FOR 1"	DESCRIPTION		APPROX. WT. LBS.	LIST PRICE
	INLET VALVE	OUTLET VALVE		
V84W	Key	None	7.1	\$ 105.74
VB84W	Ball	None	7.5	168.17
VBB84W	Ball	Ball	9.6	336.31
VVG84W*	Key	Compression	9.5	246.61
VV84W	Key	Key	9.0	211.36
VH84W	Key	Single Check	8.7	197.11
VHH84W	Key	Cascading Dual Check ▼	9.0	250.90
VHC84W**	Key	Cartridge Dual Check •	10.5	371.52
VBG84W*	Ball	Compression	9.9	309.04
VBH84W	Ball	Single Check	9.2	259.58
VBHH84W	Ball	Cascading Dual Check ▼	9.5	313.39
VBHC84W**	Ball	Cartridge Dual Check •	11.0	434.01

* Compression valve does not have padlock wing

** 9" minimum height for 81 and 82 series coppersetters and 12" minimum height for 83 series coppersetters with cartridge dual check valve. 12" minimum height for 84 series coppersetters with cartridge dual check valve.

*** 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.

- Cartridges with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.
Example: VBHC84W-15W-44-33-NL. Add to price. \$ 45.81

▼ 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.

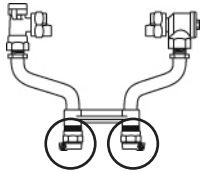
Note: 5/8" x 3/4", 3/4", and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

METER VALVE OPTIONS FOR 5/8", 5/8" X 3/4", 3/4" AND 1" 80 SERIES COPPERSETTERS

- Seal wire hole in inlet valve, add to price \$ 1.66
- Seal wire hole in check valve cap, add to price \$ 3.32

SERVICE LINE CONNECTION TYPE AND SIZE (SECOND PART OF CATALOG NUMBER)

FOR 81 AND 82 SERIES COPPERSETTERS



CATALOG NUMBER	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
11-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Double Purpose Union Swivel Δ	\$ 141.56
12-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Flare Copper	131.05
21-33-NL	3/4" Flare Copper	3/4" Double Purpose Union Swivel Δ	131.05
▶ 14-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for Copper or Plastic Tubing (CTS)*	132.03
▶ 41-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel	132.03
‡ 22-33-NL	3/4" Flare Copper	3/4" Flare Copper	120.75
▶‡ 44-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	122.51
▶ 46-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for PE Pipe*	133.12
▶ 64-33-NL	3/4" P.J. for PE Pipe*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	133.12
▶ 66-33-NL	3/4" P.J. for PE Pipe*	3/4" P.J. for PE Pipe*	136.02
• 77-33-NL	3/4" P.J. for PVC Pipe	3/4" P.J. PVC Pipe	136.02
18-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Male Iron Pipe Union Swivel	146.05
81-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel Δ	146.05
88-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Male Iron Pipe Union Swivel Δ	150.51
‡ FF-33-NL	3/4" Integral Female Iron Pipe	3/4" Integral Female Iron Pipe	120.75
44-34-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	133.12
44-43-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	133.12
11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	156.58
22-44-NL	1" Flare Copper	1" Flare Copper	143.12
▶ 44-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	152.16

FOR 83 SERIES COPPERSETTERS

CATALOG NUMBER	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
11-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Double Purpose Union Swivel Δ	\$ 175.87
22-33-NL	3/4" Flare Copper	3/4" Flare Copper	155.40
88-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Male Iron Pipe Union Swivel	179.94
18-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Male Iron Pipe Union Swivel	180.54
81-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel Δ	180.54
▶♦ 44-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	184.23
▶ 66-33-NL	3/4" P.J. for PE Pipe*	3/4" P.J. for PE Pipe*	189.64
11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	201.52
22-44-NL	1" Flare Copper	1" Flare Copper	179.09
▶ 44-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	188.08

FOR 84 SERIES COPPERSETTERS

CATALOG NUMBER	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	\$ 257.97
12-44-NL	1" Flare Copper	1" Double Purpose Union Swivel Δ	251.70
21-44-NL	1" Flare Copper	1" Double Purpose Union Swivel Δ	251.70
22-44-NL	1" Flare Copper	1" Flare Copper	239.72
▶♦ 44-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	229.86
▶ 66-44-NL	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	266.53
11-55-NL	1-1/4" Female Iron Pipe Union Swivel Δ	1-1/4" Female Iron Pipe Union Swivel Δ	327.05
22-55-NL	1-1/4" Flare Copper	1-1/4" Flare Copper	265.78
▶ 44-55-NL	1-1/4" P.J. for Copper or Plastic Tubing (CTS)*	1-1/4" P.J. for Copper or Plastic Tubing (CTS)*	402.66

* Grip Joint for CTS (3/4"-2") and PEP (3/4" and 1") is available. Insert "-G" into the catalog number.

♦ Quick Joint is available. Insert "-Q" into the catalog number.

• These connections are not available on 83 series coppersetters (with 15/16" O.D. copper tubing). These coppersetters will have 13/16" O.D. tubing with 3/4" meter spacing. Order as a 83 series, but add this price to the 82 series equivalent \$ 17.53

Δ Double purpose union swivels will accommodate male iron pipe threads or flare copper.

‡ 81 and 82 series coppersetters with the indicated service line connections have a (vertical) brace eye.

▶ Ultra-Tite is available. Contact factory for pricing and availability.

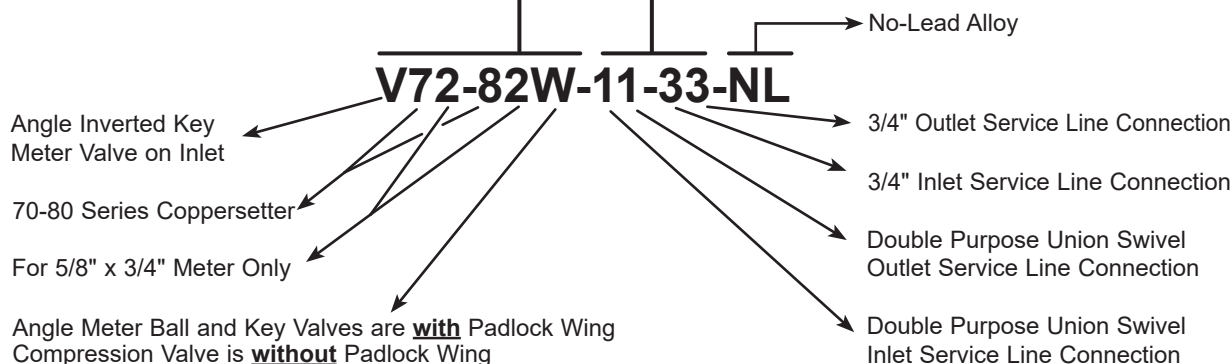
Note: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe only.

70-80 SERIES ANGLE COPPERSETTERS

VERTICAL INLET AND HORIZONTAL OUTLET

Example of Catalog Number for a 70-80 Series Coppersetter

FIRST PART OF NUMBER (METER SIZE AND VALVE TYPE) **SECOND PART OF NUMBER** (SERVICE LINE CONNECTION TYPE AND SIZE)



Approximate height for 5/8", 5/8" x 3/4" and 3/4" meter is 7" and for 1" meter is 10".

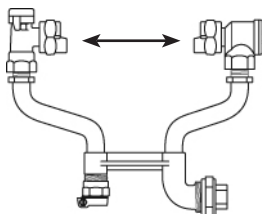
The description for the above catalog number reads: 70-80 series coppersetter for 5/8" x 3/4" meter with an angle inverted key meter valve on the inlet, 7" high with 3/4" double purpose union swivel inlet by 3/4" double purpose union swivel outlet.

TO ORDER: Select one catalog number component from each of two charts on pages 16 and 17 to complete the coppersetter catalog number.

Selection order of components:

1. Meter size and valve type. pages 16 and 17
2. Service line connections. page 17

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



71-81, 72-82 AND 73-83 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

CATALOG NUMBER (METER SIZE AND VALVE TYPE)			DESCRIPTION		APPROX. Wt. LBS.	LIST PRICE
5/8"	5/8" x 3/4"	3/4"	INLET VALVE	OUTLET VALVE		
V71-81W	V72-82W	V73-83W	Key	None	4.2	\$ 68.97
VB71-81W	VB72-82W	VB73-83W	Ball	None	4.3	83.79
VBB71-81W***	VBB71-82W***	VBB73-83W	Ball	Ball	5.6	167.56
VVG71-81W*	VVG72-82W*	VVG73-83W*	Key	Compression	6.2	157.10
VV71-81W	VV72-82W	VV73-83W	Key	Key	5.4	137.87
VH71-81W	VH72-82W	VH73-83W	Key	Single Check	5.5	145.01
VHH71-81W	VHH72-82W	VHH73-83W	Key	Cascading Dual Check	5.8	208.64
VHC71-81W**	VHC72-82W**	VHC73-83W**	Key	Cartridge Dual Check •	6.2	222.23
VBG71-81W*	VBG72-82W*	VBG73-83W*	Ball	Compression	5.9	171.86
VBH71-81W	VBH72-82W	VBH73-83W	Ball	Single Check	6.0	159.87
VBHH71-81W	VBHH72-82W	VBHH73-83W	Ball	Cascading Dual Check	6.0	223.48
VBHC71-81W**	VBHC72-82W**	VBHC73-83W**	Ball	Cartridge Dual Check •	6.3	236.94

Note: 73-83 series coppersetters are available only with 13/16" O.D. copper tubing.

* Compression valve does not have padlock wing.

** 9" minimum height for 71-81, 72-82 series coppersetters and 12" minimum height for 73-83 series coppersetters with cartridge dual check valve.

*** 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.

• Cartridges with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.

Example: VBHC71-81W-44-33-NL. Add to price \$ 36.13

METER VALVE OPTIONS FOR 70-80 SERIES COPPERSETTERS

Seal wire hole in inlet valve, add to price \$ 1.66

Seal wire hole in check valve cap, add to price. \$ 3.32

74-84 SERIES COPPERSETTERS FOR 1" METERS

CATALOG NUMBER (METER SIZE AND VALVE TYPE) FOR 1"	DESCRIPTION		APPROX. WT. LBS.	LIST PRICE
	INLET VALVE	OUTLET VALVE		
V74-84W	Key	None	7.1	\$ 105.74
VB74-84W	Ball	None	7.5	168.17
VBB74-84W	Ball	Ball	9.6	336.31
VVG74-84W*	Key	Compression	9.5	246.61
VV74-84W	Key	Key	9.0	211.36
VH74-84W	Key	Single Check	8.7	197.11
VHH74-84W	Key	Cascading Dual Check ▼	9.0	250.90
VHC74-84W**	Key	Cartridge Dual Check ●	10.5	371.52
VBG74-84W*	Ball	Compression	9.9	309.04
VBH74-84W	Ball	Single Check	9.2	259.58
VBHH74-84W	Ball	Cascading Dual Check ▼	9.5	313.39
VBHC74-84W**	Ball	Cartridge Dual Check ●	11.0	434.01

▼ 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.

- Cartridges with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code. Example: VBHCCR74-84W-44-33-NL. Add to price \$ 45.81

Note: 5/8" x 3/4", 3/4", and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

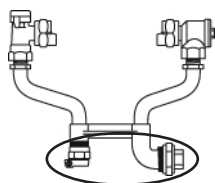
* Compression valve does not have padlock wing.

** 12" minimum height for 74-84 series coppersettors with cartridge dual check valve.

SERVICE LINE CONNECTION TYPE AND SIZE (SECOND PART OF CATALOG NUMBER)

FOR 71-81, 72-82 AND 73-83 SERIES COPPERSETTERS

CATALOG NUMBER (SECOND PART)	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
11-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Double Purpose Union Swivel Δ	\$ 152.31
88-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Male Iron Pipe Union Swivel	
18-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Male Iron Pipe Union Swivel	
81-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel Δ	
12-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Flare Copper	
21-33-NL	3/4" Flare Copper	3/4" Double Purpose Union Swivel Δ	142.88
12-44-NL	1" Double Purpose Union Swivel Δ	1" Flare Copper	158.92
21-44-NL	1" Flare Copper	1" Double Purpose Union Swivel Δ	158.92
▶ 44-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	138.48
▶ 14-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for Copper or Plastic Tubing (CTS)*	145.62
▶ ♦ 41-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	145.62
▶ 41-43-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	153.92
14-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for Copper or Plastic Tubing (CTS)*	162.18
▶ • 41-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Double Purpose Union Swivel Δ	162.18
• 66-44-NL	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	177.36



FOR 74-84 SERIES COPPERSETTERS

CATALOG NUMBER (SECOND PART)	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	\$ 277.47
18-44-NL	1" Double Purpose Union Swivel Δ	1" Male Iron Pipe Union Swivel	
81-44-NL	1" Male Iron Pipe Union Swivel	1" Double Purpose Union Swivel Δ	
88-44-NL	1" Male Iron Pipe Union Swivel	1" Male Iron Pipe Union Swivel	
12-44-NL	1" Double Purpose Union Swivel Δ	1" Flare Copper	
21-44-NL	1" Flare Copper	1" Double Purpose Union Swivel Δ	267.97
28-44-NL	1" Flare Copper	1" Male Iron Pipe Union Swivel	162.18
82-44-NL	1" Male Iron Pipe Union Swivel	1" Flare Copper	
▶ ♦ 44-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	
▶ 14-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for Copper or Plastic Tubing (CTS)*	261.03
▶ ♦ 41-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Double Purpose Union Swivel Δ	
▶ ♦ 48-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Male Iron Pipe Union Swivel	
▶ 84-44-AWT-NL	1" Male Iron Pipe Union Swivel	1" P.J. for Copper or Plastic Tubing (CTS)*	321.60

* Grip Joint for CTS is available. Insert "-G" into the catalog number.

♦ Quick Joint is available. Insert "-Q" into the catalog number.

▶ Ultra-Tite is available. Contact factory for pricing and availability.

Δ Double purpose union swivels will accommodate male iron pipe threads or flare copper.

- These connections are not available on 73-83 series coppersettors (with 15/16" O.D. copper tubing). These coppersettors will have 13/16" O.D. tubing with 3/4" meter spacing. Order as a 73-83 series, but add this price to the 72-82 series equivalent \$ 17.53

90 SERIES COPPERSETTERS

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 AND SIZE)

V92-12W-11-33A-NL

Angle Inverted Key
Meter Valve on Inlet

90 Series Coppersetter

For 5/8" x 3/4" Meter Only

Angle Meter Ball and Key Valves
are with Padlock Wing
Compression Valve is without Padlock Wing

No-Lead Alloy

Optional Extension /
A=15" and B=18"

3/4" Outlet Service Line
Connection

3/4" Inlet Service Line
Connection

Double Purpose Union
Swivel Outlet Service
Line Connection

Double Purpose Union
Swivel Inlet Service Line
Connection

* Approximate height is from center line of service line to center line of meter nut.

The description for the above catalog number reads: 90 series coppersetter for 5/8" x 3/4" meter with an angle inverted key meter valve, 12" high with 3/4" double purpose union swivel inlet by 3/4" double purpose union swivel outlet on an optional 15" extended outlet.

TO ORDER: Select one catalog number component from the charts on pages 19-23 to complete the coppersetter catalog number. Selection order of components:

Step 1. Meter size and valve type page 19

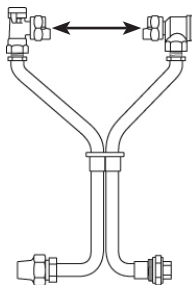
Step 2. Coppersetter height page 20

Step 3. Service line connections for 5/8", 5/8" x 3/4" and 3/4" meters. pages 20 and 21

Service line connections for 1" meters. page 22

Options: Outlet extension, bolted clamp construction and brace eye page 23

STEP 1. METER SIZE AND VALVE TYPE - (FIRST PART OF CATALOG NUMBER)



91, 92 AND 93 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

CATALOG NUMBER (METER SIZE AND VALVE TYPE)			DESCRIPTION		APPROX. WT. LBS.	LIST PRICE
FOR 5/8"	FOR 5/8" X 3/4"	3/4"	INLET VALVE	OUTLET VALVE		
91	92	93	None	None	-	-
V91	V92	V93	Key	None	1.3	\$ 68.97
VB91	VB92	VB93	Ball	None	1.4	83.79
VBB91***	VBB92***	VBB93	Ball	Ball	2.7	167.56
VVG91*	VVG92*	VVG93*	Key	Compression	3.3	157.10
VV91	VV92	VV93	Key	Key	2.5	137.87
VH91	VH92	VH93	Key	Single Check	2.6	145.01
VHH91	VHH92	VHH93	Key	Cascading Dual Check	2.9	208.64
VHC91**	VHC92**	VHC93**	Key	Cartridge Dual Check •	3.1	222.23
VBG91*	VBG92*	VBG93*	Ball	Compression	3.0	171.86
VBH91	VBH92	VBH93	Ball	Single Check	3.1	159.87
VBHH91	VBHH92	VBHH93	Ball	Cascading Dual Check	3.1	223.48
VBHC91**	VBHC92**	VBHC93**	Ball	Cartridge Dual Check •	3.2	236.94

* Compression valve does not have padlock wing.

** 12" minimum height for 91 and 92 series coppersettors with cartridge dual check valve. 15" minimum height for 93 series coppersettors with cartridge dual check valve.

*** 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.

• Cartridges with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.

Example: VBHCCR93-15W-44-33-NL. Add to price \$ 36.13

Note: Combine the appropriate weights from this page and the following page to determine the total coppersetter weight.

94 SERIES COPPERSETTERS FOR 1" METERS

CATALOG NUMBER (VALVE TYPE) FOR 1"	DESCRIPTION		APPROX. WT. LBS.	LIST PRICE
	INLET VALVE	OUTLET VALVE		
94	None	None	-	-
V94	Key	None	1.9	\$ 105.74
VB94	Ball	None	2.3	168.17
VBB94	Ball	Ball	4.4	336.31
VVG94*	Key	Compression	4.3	246.61
VV94	Key	Key	3.8	211.36
VH94	Key	Single Check	3.5	197.11
VHH94	Key	Cascading Dual Check ▼	3.8	250.90
VHC94**	Key	Cartridge Dual Check •	4.9	371.52
VBG94*	Ball	Compression	4.7	309.04
VBH94	Ball	Single Check	4.0	259.58
VBHH94	Ball	Cascading Dual Check ▼	4.3	313.39
VBHC94**	Ball	Cartridge Dual Check •	5.4	434.01

▼ 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.

• Cartridges with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.

Example: VBHCCR94-15W-44-33-NL. Add to price \$ 45.81

Note: 5/8" x 3/4", 3/4", and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

* Compression valve does not have padlock wing.

** 18" minimum height for 94 series coppersettors with cartridge dual check valve.

Note: Combine the appropriate weights from this page and the following page to determine the total coppersetter weight.

METER VALVE OPTIONS FOR 90 SERIES COPPERSETTERS

Seal wire hole in inlet valve, add to price \$ 1.66

Seal wire hole in check valve cap, add to price \$ 3.32

STEP 2. APPROXIMATE HEIGHT - (SECOND PART OF CATALOG NUMBER)

91 SERIES COPPERSETTER FOR 5/8" METERS

CATALOG NUMBER	COPPERSETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
9W	9"	3.0	\$ 142.88
12W	12"	3.4	142.88
15W	15"	4.2	148.95
18W	18"	4.8	179.45
21W	21"	5.1	190.75
24W	24"	5.4	199.82

92 SERIES COPPERSETTER FOR 5/8" X 3/4" METERS

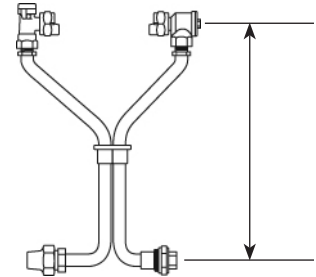
CATALOG NUMBER	COPPERSETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
9W	9"	3.1	\$ 148.62
12W	12"	3.5	148.62
15W	15"	4.3	154.71
18W	18"	4.9	185.07
21W	21"	5.2	196.28
24W	24"	5.5	205.37

93 SERIES COPPERSETTER FOR 3/4" METERS

CATALOG NUMBER	COPPERSETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
12W	12"	5.2	\$ 188.40
15W	15"	5.5	201.69
18W	18"	5.8	227.91
21W	21"	6.5	240.16
24W	24"	6.8	252.62

94 SERIES COPPERSETTER FOR 1" METERS

CATALOG NUMBER	COPPERSETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
15W	15"	6.3	\$ 288.36
18W	18"	6.7	334.66
21W	21"	7.1	356.78
24W	24"	7.6	370.22



HEIGHT OPTIONS FOR 90 SERIES COPPERSETTERS

COPPERSETTERS OVER 24" CAN BE ORDERED IN 3" INCREMENTS.
INDICATE THE HEIGHT REQUIRED IN THE SECOND PART OF THE PART NUMBER.
FOR EACH ADDITIONAL 3" IN HEIGHT, ADD TO PRICE:

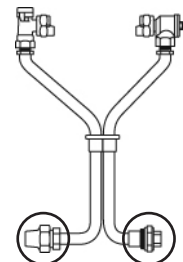
For 5/8", 91 series coppersetters	\$ 7.31
For 5/8" x 3/4", 92 series coppersetters	\$ 7.31
For 3/4", 93 series coppersetters	\$ 10.07
For 1", 94 series coppersetters	\$ 11.74

STEP 3. SERVICE LINE CONNECTIONS (THIRD PART OF CATALOG NUMBER)

FOR 91, 92 AND 93 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

PACK JOINT INLET BY PACK JOINT OUTLET

CATALOG NUMBER	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
▶ ♦ 44-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	\$ 64.74
▶ 66-33-NL	3/4" P.J. for PE Pipe*	3/4" P.J. for PE Pipe*	74.93
▶ 77-33-NL	3/4" P.J. for PVC Pipe	3/4" P.J. for PVC Pipe	
▶ 46-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for PE Pipe*	69.89
▶ 64-33-NL	3/4" P.J. for PE Pipe*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	
▶ 47-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for PVC Pipe	
▶ 74-33-NL	3/4" P.J. for PVC Pipe	3/4" P.J. for Copper or Plastic Tubing (CTS)*	
▶ ♦ 47-34-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PVC Pipe	96.64
▶ ♦ 44-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	107.30
▶ ♦ 47-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PVC Pipe	115.93
▶ ♦ 74-44-NL	1" P.J. for PVC Pipe	1" P.J. for Copper or Plastic Tubing (CTS)*	
▶ ♦ 66-44-NL	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	128.49
▶ ♦ 67-44-NL	1" P.J. for PE Pipe*	1" P.J. for PVC Pipe	
▶ ♦ 76-44-NL	1" P.J. for PVC Pipe	1" P.J. for PE Pipe*	
▶ ♦ 77-44-NL	1" P.J. for PVC Pipe	1" P.J. for PVC Pipe	



* Grip Joint for CTS and PEP is available. Insert "-G" into the catalog number.

♦ Quick Joint is available. Insert "-Q" into the catalog number.

▶ Ultra-Tite is available. Contact factory for pricing and availability.

• These connections are not available on 93 series coppersetters (with 15/16" O.D. copper tubing). These coppersetters will have 13/16" O.D. copper tubing with 3/4" meter spacing. Order as a 93 series, but add this price to the 92 series equivalent \$ 17.53

STEP 3. SERVICE LINE CONNECTIONS (THIRD PART OF CATALOG NUMBER) FOR 91, 92 AND 93 SERIES COPPERSETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

PACK JOINT INLET BY IRON PIPE OUTLET

CATALOG NUMBER	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
▶♦ 14-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for Copper or Plastic Tubing (CTS)*	\$ 68.42
▶♦ 41-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	68.42
▶♦ 48-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Male Iron Pipe Union Swivel	68.42
▶♦ 84-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for Copper or Plastic Tubing (CTS)*	68.42
▶ 16-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for PE Pipe*	73.49
▶ 61-33-NL	3/4" P.J. for PE Pipe*	3/4" Double Purpose Union Swivel Δ	73.49
▶ 68-33-NL	3/4" P.J. for PE Pipe*	3/4" Male Iron Pipe Union Swivel	73.49
▶ 86-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for PE Pipe*	73.49
▶ 17-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for PVC Pipe	73.49
▶ 71-33-NL	3/4" P.J. for PVC Pipe	3/4" Double Purpose Union Swivel Δ	73.49
▶ 78-33-NL	3/4" P.J. for PVC Pipe	3/4" Male Iron Pipe Union Swivel	73.49
▶ 87-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for PVC Pipe	73.49
▶ 41-43-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	89.67
▶♦♦ 14-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for Copper or Plastic Tubing (CTS)*	118.27
▶♦♦ 41-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Double Purpose Union Swivel Δ	118.27
▶♦ 48-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Male Iron Pipe Union Swivel	113.86
▶ 84-44-NL	1" Male Iron Pipe Union Swivel	1" P.J. for Copper or Plastic Tubing (CTS)*	113.86
▶ • 16-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for PE Pipe*	128.88
▶ • 61-44-NL	1" P.J. for PE Pipe*	1" Double Purpose Union Swivel Δ	128.88
▶ • 68-44-NL	1" P.J. for PE Pipe*	1" Male Iron Pipe Union Swivel	124.47
▶ • 86-44-NL	1" Male Iron Pipe Union Swivel	1" P.J. for PE Pipe*	124.47
▶ • 78-44-NL	1" P.J. for PVC Pipe	1" Male Iron Pipe Union Swivel	124.47
▶ • 87-44-NL	1" Male Iron Pipe Union Swivel	1" P.J. for PVC Pipe	124.47
▶ • 71-44-NL	1" P.J. for PVC Pipe	1" Double Purpose Union Swivel Δ	128.88
▶ • 17-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for PVC Pipe	128.88

IRON PIPE AND FLARE COPPER CONNECTIONS

CATALOG NUMBER	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
MM-33-NL	3/4" Integral Male Iron Pipe	3/4" Integral Male Iron Pipe	\$ 32.91
22-33-NL	3/4" Flare Copper	3/4" Flare Copper	49.29
12-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Flare Copper	60.63
21-33-NL	3/4" Flare Copper	3/4" Double Purpose Union Swivel Δ	60.63
28-33-NL	3/4" Flare Copper	3/4" Male Iron Pipe Union Swivel	
82-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Flare Copper	
11-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Double Purpose Union Swivel Δ	72.06
88-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Male Iron Pipe Union Swivel	
81-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel Δ	
18-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Male Iron Pipe Union Swivel	
• 11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	129.26
• 22-44-NL	1" Flare Copper	1" Flare Copper	82.24

NOTE: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe only.

* **Grip Joint** for CTS and PEP is available. Insert "G" into the catalog number.

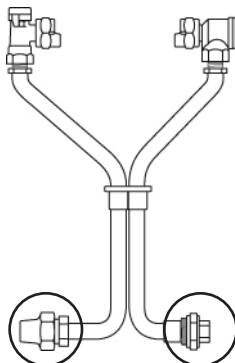
♦ **Quick Joint** is available. Insert "-Q" into the catalog number.

▶ Ultra-Tite is available. Contact factory for pricing and availability.

Δ **Double purpose union swivels** will accommodate male iron pipe threads or flare copper.

• These connections are not available on 93 series coppersettors (with 15/16" O.D. copper tubing). These coppersettors will have 13/16" O.D. copper tubing with 3/4" meter spacing. Order as a 93 series, but add this price to the 92 series equivalent \$ 17.53

STEP 3. SERVICE LINE CONNECTIONS (THIRD PART OF CATALOG NUMBER) FOR 94 SERIES COPPERSETTERS



1" PACK JOINT BOTH ENDS

CATALOG NUMBER	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
▶♦ 44-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	\$ 105.31
▶ 66-44-NL	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	148.88
77-44-NL	1" P.J. for PVC Pipe	1" P.J. for PVC Pipe	
▶♦ 46-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PE Pipe*	127.15
▶♦ 64-44-NL	1" P.J. for PE Pipe*	1" P.J. for Copper or Plastic Tubing (CTS)*	
▶♦ 47-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PVC Pipe	
▶♦ 74-44-NL	1" P.J. for PVC Pipe	1" P.J. for Copper or Plastic Tubing (CTS)*	

1" PACK JOINT ONE END

CATALOG NUMBER	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
▶♦ 14-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for Copper or Plastic Tubing (CTS)*	\$ 113.06
▶♦ 41-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Double Purpose Union Swivel Δ	113.06
▶ 16-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for PE Pipe*	120.69
▶ 61-44-NL	1" P.J. for PE Pipe*	1" Double Purpose Union Swivel Δ	120.69

IRON PIPE AND FLARE CONNECTIONS

CATALOG NUMBER	DESCRIPTION		ADD TO PRICE
	INLET CONNECTION	OUTLET CONNECTION	
MM-44-NL	1" Integral Male Iron Pipe	1" Integral Male Iron Pipe	\$ 57.74
22-44-NL	1" Flare Copper	1" Flare Copper	92.43
12-44-NL	1" Double Purpose Union Swivel Δ	1" Flare Copper	111.64
21-44-NL	1" Flare Copper	1" Double Purpose Union Swivel Δ	
28-44-NL	1" Flare Copper	1" Male Iron Pipe Union Swivel	
82-44-NL	1" Male Iron Pipe Union Swivel	1" Flare Copper	
11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	130.94
88-44-NL	1" Male Iron Pipe Union Swivel	1" Male Iron Pipe Union Swivel	
18-44-NL	1" Double Purpose Union Swivel Δ	1" Male Iron Pipe Union Swivel	
81-44-NL	1" Male Iron Pipe Union Swivel	1" Double Purpose Union Swivel Δ	

* Grip Joint for CTS and PEP is available. Insert "G" into the catalog number.

♦ Quick Joint is available for CTS connections only. Insert "-Q" into the catalog number.

▶ Ultra-Tite is available. Contact factory for pricing and availability.

Δ Double purpose union swivels will accommodate male iron pipe threads or flare copper.

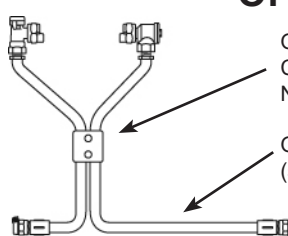
INLET TUBE OPTIONS FOR 90 SERIES COPPERSETTERS

OPTION	COPPERSETTER SIZE	INLET TUBE OPTION CODE	ADD TO PRICE
INLET TUBE OPTIONS FOR 5/8" AND 5/8" x 3/4" 90 SERIES COPPERSETTERS			
15" inlet tube extension	5/8" & 5/8" x 3/4"	Add "P" to Cat. No.	\$ 20.75
18" inlet tube extension	5/8" & 5/8" x 3/4"	Add "S" to Cat. No.	25.08
Vertical Inlet	5/8" & 5/8" x 3/4"	Add "Z" to Cat. No.	NO CHARGE
INLET TUBE OPTIONS FOR 3/4" 90 SERIES COPPERSETTERS			
15" inlet tube extension	3/4"	Add "P" to Cat. No.	27.03
18" inlet tube extension	3/4"	Add "S" to Cat. No.	32.64
Vertical Inlet	3/4"	Add "Z" to Cat. No.	NO CHARGE
INLET TUBE OPTIONS FOR 1" 90 SERIES COPPERSETTERS			
15" inlet tube extension	1"	Add "P" to Cat. No.	33.30
18" inlet tube extension	1"	Add "S" to Cat. No.	39.50
Vertical Inlet	1"	Add "Z" to Cat. No.	NO CHARGE

Note: To order above inlet tube options, place catalog inlet tube option code directly left of any other option extension from the top table of options.

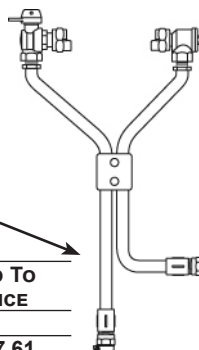
Example: V92-24W-11-33ZA-NL has a vertical inlet and a 15" extended outlet.

OPTIONS FOR 90 SERIES COPPERSETTERS



Optional Bolted Clamp
Construction: Add "C" to Catalog Number (see below)

Optional Outlet Tube Extension
(see below)



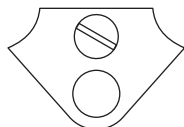
Optional Vertical Inlet
Construction: Add "Z" to Catalog Number (see above)

OPTION	COPPERSETTER SIZE	EXTENSION TO CATALOG NUMBER	ADD TO PRICE
OPTIONS FOR 5/8" AND 5/8" X 3/4" 90 SERIES COPPERSETTERS			
Brace Eye	5/8" and 5/8" x 3/4"	Add "E" to Cat. No.	\$ 17.61
Bolted Clamp Construction	5/8" and 5/8" x 3/4"	Add "C" to Cat. No.	4.87
15" Outlet Tube Extension	5/8" and 5/8" x 3/4"	Add "A" to Cat. No.	20.75
15" Outlet Tube Extension and Brace Eye	5/8" and 5/8" x 3/4"	Add "H" to Cat. No.	38.37
15" Outlet Tube Extension and Bolted Clamp	5/8" and 5/8" x 3/4"	Add "F" to Cat. No.	25.61
18" Outlet Tube Extension	5/8" and 5/8" x 3/4"	Add "B" to Cat. No.	25.08
18" Outlet Tube Extension and Brace Eye	5/8" and 5/8" x 3/4"	Add "K" to Cat. No.	42.73
18" Outlet Tube Extension and Bolted Clamp	5/8" and 5/8" x 3/4"	Add "J" to Cat. No.	29.98
OPTIONS FOR 3/4" 90 SERIES COPPERSETTERS			
Brace Eye	3/4"	Add "E" to Cat. No.	21.50
Bolted Clamp Construction	3/4"	Add "C" to Cat. No.	4.87
15" Outlet Tube Extension	3/4"	Add "A" to Cat. No.	27.03
15" Outlet Tube Extension and Brace Eye	3/4"	Add "H" to Cat. No.	48.48
15" Outlet Tube Extension and Bolted Clamp	3/4"	Add "F" to Cat. No.	31.93
18" Outlet Tube Extension	3/4"	Add "B" to Cat. No.	32.64
18" Outlet Tube Extension and Brace Eye	3/4"	Add "K" to Cat. No.	54.04
18" Outlet Tube Extension and Bolted Clamp	3/4"	Add "J" to Cat. No.	37.53
OPTIONS FOR 1" 90 SERIES COPPERSETTERS			
Brace eye	1"	Add "E" to Cat. No.	28.56
Bolted Clamp Construction	1"	Add "C" to Cat. No.	4.87
15" Outlet Tube Extension	1"	Add "A" to Cat. No.	33.30
15" Outlet Tube Extension and Brace Eye	1"	Add "H" to Cat. No.	61.85
15" Outlet Tube Extension and Bolted Clamp	1"	Add "F" to Cat. No.	38.19
18" Outlet Tube Extension	1"	Add "B" to Cat. No.	39.50
18" Outlet Tube Extension and Brace Eye	1"	Add "K" to Cat. No.	68.02
18" Outlet Tube Extension and Bolted Clamp	1"	Add "J" to Cat. No.	44.37

Note: To order the above options with the coppersetter; add the catalog number extension letter to the 90 series coppersetter number and add the price to the price of the coppersetter.

Example: V92-24W-11-33A-NL is a 5/8" x 3/4" 90 series coppersetter with 3/4" double purpose union swivel service line connections and an optional 15" outlet tube extension.

BRACE EYE (NOT FACTORY ASSEMBLED) FOR 90 SERIES COPPERSETTERS



Brace Eye

OPTION	CATALOG NUMBER	LIST PRICE
Brace Eye on 5/8" and 5/8" x 3/4" Sizes	BRE-92	\$ 17.61
Brace Eye on 3/4" size	BRE-93	21.50
Brace Eye on 1" size	BRE-94	28.56

NOTE: The brace eye options listed as BRE-92, BRE-93 and BRE-94 above are NOT factory assembled on the coppersetter and are for field installation.

TANDEM COPPERSETTERS OR RESETTERS

Designed to solve problems resulting from above-normal water pressure, the tandem coppersetter holds a pressure regulator just ahead of the water meter – all in one compact, quickly-installed Ford Coppersetter. Water flows through the pressure regulator first, thereby reducing the pressure to normal.

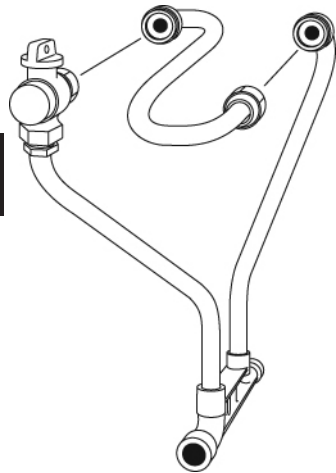
This space-saving unit is designed for installation in a single meter pit, frequently as small as 20" in diameter, however, Ford recommends service lines and valves to be a minimum of 2" from the pit wall to help prevent freezing.

HOW TO ORDER

Select coppersetter series desired. Add the letter "T" before catalog number selected.

EXAMPLE: TV72-18W-21-33-NL = Valve type tandem coppersetter for 5/8" x 3/4" meter, 18" high with 3/4" flared copper inlet and with double purpose swivel union outlet. Tandem coppersettters include an "S" tube and male iron pipe adapters for holding a pressure regulator. When ordering a 5/8", 5/8" x 3/4", 3/4" or 1" coppersetter, adapters and "S" tube will be sized to hold a pressure regulator with a length per the chart below. Unless specified otherwise, tandem coppersettters are designed to hold a water meter in series with a pressure regulator. An "S" tube and male iron pipe by male meter thread adapters for the regulator are included.

PRICES BELOW MUST BE ADDED TO PRICE OF CORRESPONDING STANDARD COPPERSETTER.



DESCRIPTION				ADDITIONAL PRICE – ADD TO PRICE OF CORRESPONDING STANDARD COPPERSETTER			
METER SIZE	* STANDARD PRV SPACING/ ADAPTERS	TANDEM COPPERSETTER HEIGHT		FOR 40, 70, 80 AND 270 SERIES COPPERSETTERS		FOR 30 AND 90 SERIES COPPERSETTERS	
	SIZE * LENGTH			VALVE TYPE	PLAIN TYPE	VALVE TYPE	PLAIN TYPE
5/8"	3/4" 4-3/4"	7", 9" and 12"		\$ 165.02	\$ 196.44	N/A	N/A
5/8"	3/4" 4-3/4"	15"		145.01	141.86	\$ 162.58	\$ 159.50
5/8"	3/4" 4-3/4"	18" and over		149.78	146.66	167.60	164.12
5/8" x 3/4"	3/4" 4-3/8"	7", 9" and 12"		176.33	207.76	198.37	170.02
5/8" x 3/4"	3/4" 4-3/8"	15"		156.31	153.04	173.87	170.60
5/8" x 3/4"	3/4" 4-3/8"	18" and over		161.15	157.81	178.62	175.26
3/4"	3/4" 5-7/8"	12"		215.78	247.08	237.79	209.47
3/4"	3/4" 5-7/8"	15"		195.84	192.54	213.17	209.96
3/4"	3/4" 5-7/8"	18" and over		200.59	197.19	218.01	214.70
1"	1" 5-19/32"	12"		321.91	N/A	N/A	N/A
1"	1" 5-19/32"	15", 18" and 21"		321.91	318.77	346.00	342.92
1"	1" 5-19/32"	24" and over		337.97	334.73	361.89	358.75

* Minimum height on tandem settters with cartridge dual check valve is approximately 9" for 5/8" and 5/8" x 3/4", 12" for 3/4" and 1" (contact factory for actual height).

Prices on special arrangements will be gladly quoted on receipt of full information. If ordering non-standard PRV spacing, add PRV length to the end of the catalog number.

Example: TVBH72-15W-11-33-6-5-NL (6-1/2" PRV spacing)

Tandem Coppersettters – Unless specified otherwise, tandem coppersettters are designed to hold a water meter in series with a pressure regulator. 5/8"-1" tandem coppersettters built for standard length PRV's with FNPT end connections. "S" tube and adapters for the regulator are included.

Parts for Tandem Coppersettters

Adapters for Regulator

(MIP by Male Meter Thread)



CATALOG NUMBER	MIP SIZE	METER SIZE	ADAPTER LENGTH	APPROX. WT. LBS.	LIST PRICE
*RA-1-NL	3/4"	5/8"	1-7/8"	0.5	\$ 38.23/pr.
*RA-2-NL	3/4"	5/8" x 3/4"	2-1/16"	0.7	43.23/pr.
*RA-4-NL	1"	1"	2-1/4"	1.2	55.93/pr.

* Sold as pairs

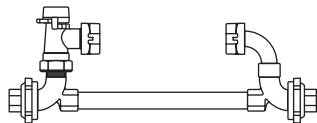
"S" Tube with Meter Swivel Nuts (including gaskets)



CATALOG NUMBER	METER SIZE	APPROX. WT. LBS.	LIST PRICE
ST-1	5/8"	1.3	\$ 84.73
ST-2	5/8" x 3/4"	1.4	89.86
ST-3	3/4"	1.8	106.41
ST-4	1"	2.5	162.79

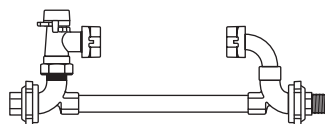
LINESETTERS FOR 5/8" METER

3/4" DOUBLE PURPOSE INLET X 3/4" DOUBLE PURPOSE OUTLET



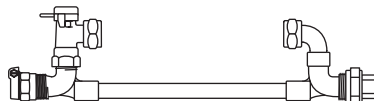
CATALOG NUMBER FOR 5/8" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
LS11-133-NL	None	None	3.3	\$ 131.22
LSV11-133W-NL	Key	None	4.2	213.01
LSVH11-133W-NL	Key	Check	5.1	289.05
LSVHH11-133W-NL	Key	Cascading Dual Check	5.2	352.72
LSVB11-133W-NL	Ball	None	4.2	227.73
LSVBH11-133W-NL	Ball	Check	5.1	303.80
LSVBHH11-133W-NL	Ball	Cascading Dual Check	5.3	367.33

3/4" DOUBLE PURPOSE INLET X 3/4" MALE IRON PIPE OUTLET



CATALOG NUMBER FOR 5/8" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
LS18-133-NL	None	None	3.4	\$ 131.22
LSV18-133W-NL	Key	None	4.3	213.01
LSVH18-133W-NL	Key	Check	5.1	289.05
LSVHH18-133W-NL	Key	Cascading Dual Check	5.2	352.72
LSVB18-133W-NL	Ball	None	4.2	227.73
LSVBH18-133W-NL	Ball	Check	5.1	303.80
LSVBHH18-133W-NL	Ball	Cascading Dual Check	5.3	367.42

3/4" PACK JOINT FOR CTS INLET X 3/4" DOUBLE PURPOSE OUTLET



CATALOG NUMBER FOR 5/8" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
▶♦ LSV41-133W-NL	Key	None	3.9	\$ 213.60
▶♦ LSVH41-133W-NL	Key	Check	4.9	289.61
▶♦ LSVHH41-133W-NL	Key	Cascading Dual Check	5.2	353.24
▶♦ LSVB41-133W-NL	Ball	None	3.9	226.24
▶♦ LSVBH41-133W-NL	Ball	Check	4.9	302.43
▶♦ LSVBHH41-133W-NL	Ball	Cascading Dual Check	5.0	366.03

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: LSV41-133W-G-NL

♦ Quick Joint is available. Insert "-Q" into the catalog number. Example: LSV41-133W-Q-NL

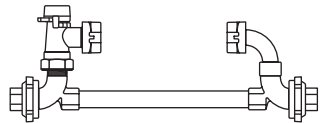
▶ Ultra-Tite is available. Contact factory for pricing and availability.

Note: 5/8" x 3/4", 3/4", and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

Note: For optional brace eyes, add "1" to the part number and \$ 11.52 to the price.
Example: LSVHH118-133W-NL

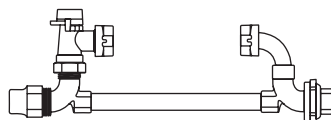
LINESETTERS FOR 5/8" X 3/4" METER

3/4" DOUBLE PURPOSE INLET X 3/4" DOUBLE PURPOSE OUTLET



CATALOG NUMBER FOR 5/8" x 3/4" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
LS11-233-NL	None	None	3.5	\$ 138.11
LSV11-233W-NL	Key	None	4.4	219.72
LSVH11-233W-NL	Key	Check	5.3	295.68
LSVHH11-233W-NL	Key	Cascading Dual Check	5.5	359.31
LSVB11-233W-NL	Ball	None	4.4	234.43
LSVBH11-233W-NL	Ball	Check	5.3	310.56
LSVBHH11-233W-NL	Ball	Cascading Dual Check	5.5	374.10

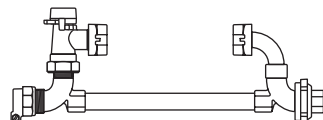
3/4" FLARE COPPER INLET X 3/4" DOUBLE PURPOSE OUTLET



CATALOG NUMBER FOR 5/8" x 3/4" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
LSV21-233W-NL	Key	None	4.2	\$ 212.86
LSVH21-233W-NL	Key	Check	5.5	288.96
LSVHH21-233W-NL	Key	Cascading Dual Check	5.7	352.60
LSVB21-233W-NL	Ball	None	4.6	227.67
LSVBH21-233W-NL	Ball	Check	5.5	303.74
LSVBHH21-233W-NL	Ball	Cascading Dual Check	5.7	367.33

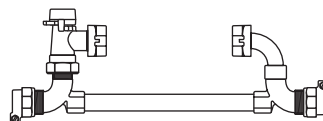
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3/4" PACK JOINT FOR CTS INLET X 3/4" DOUBLE PURPOSE OUTLET



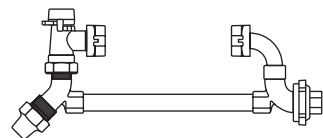
CATALOG NUMBER FOR 5/8" x 3/4" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
▶♦ LSV41-233W-NL	Key	None	4.2	\$ 220.46
▶♦ LSVH41-233W-NL	Key	Check	5.1	296.56
▶♦ LSVHH41-233W-NL	Key	Cascading Dual Check	5.3	360.20
▶♦ LSVB41-233W-NL	Ball	None	4.2	235.23
▶♦ LSVBH41-233W-NL	Ball	Check	5.1	311.27
▶♦ LSVBHH41-233W-NL	Ball	Cascading Dual Check	5.3	374.94

3/4" PACK JOINT FOR CTS INLET X 3/4" PACK JOINT FOR CTS OUTLET



CATALOG NUMBER FOR 5/8" x 3/4" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
▶♦ LSV44-233W-NL	Key	None	3.9	\$ 239.64
▶♦ LSVH44-233W-NL	Key	Check	4.8	315.59
▶♦ LSVHH44-233W-NL	Key	Cascading Dual Check	5.1	379.27
▶♦ LSVB44-233W-NL	Ball	None	4.0	254.26
▶♦ LSVBH44-233W-NL	Ball	Check	4.8	330.40
▶♦ LSVBHH44-233W-NL	Ball	Cascading Dual Check	5.1	393.99

3/4" ANGLED FLARE COPPER INLET X 3/4" DOUBLE PURPOSE OUTLET



CATALOG NUMBER FOR 5/8" x 3/4" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
LSAV21-233W-NL	Key	None	4.1	\$ 213.01
LSAVH21-233W-NL	Key	Check	5.7	289.05
LSAVHH21-233W-NL	Key	Cascading Dual Check	5.9	352.72
LSAVB21-233W-NL	Ball	None	4.9	227.73
LSAVBH21-233W-NL	Ball	Check	5.1	303.80
LSAVBHH21-233W-NL	Ball	Cascading Dual Check	6.1	367.42

Grip Joint for CTS is available. Insert "-G" into the catalog number. Example: LSV44-233W-G-NL

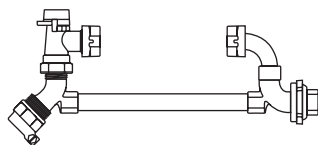
♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: LSV44-233W-Q-NL

▶ **Ultra-Tite** is available. Contact factory for pricing and availability.

Note: For optional brace eyes, add "1" to the part number and \$ 11.52 to the price.
Example: LSV141-233W-NL

LINESETTERS FOR 5/8" X 3/4" METER CONTINUED

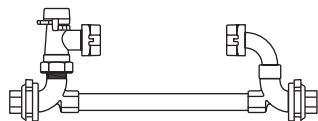
3/4" ANGLED PACK JOINT FOR CTS INLET X 3/4" DOUBLE PURPOSE OUTLET



CATALOG NUMBER FOR 5/8"x3/4" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
* LSAV41-233W-NL	Key	None	4.1	\$ 208.24
* LSAVH41-233W-NL	Key	Check	-	284.28
* LSAVHH41-233W-NL	Key	Cascading Dual Check	5.2	347.94
* LSAVB41-233W-NL	Ball	None	4.1	223.09
* LSAVBH41-233W-NL	Ball	Check	5.0	299.10
* LSAVBHH41-233W-NL	Ball	Cascading Dual Check	-	362.68

LINESETTERS FOR 3/4" METER

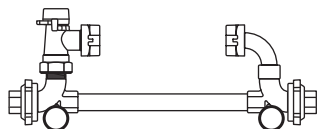
3/4" DOUBLE PURPOSE INLET X 3/4" DOUBLE PURPOSE OUTLET



CATALOG NUMBER FOR 3/4" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
■ LSV11-333-NL	None	None	3.6	\$ 167.34
■ LSV11-333W-NL	Key	None	4.5	236.33
■ LSVH11-333W-NL	Key	Check	5.4	312.32
■ LSVHH11-333W-NL	Key	Cascading Dual Check	5.6	375.97
■ LSVB11-333W-NL	Ball	None	4.5	251.03
■ LSVBH11-333W-NL	Ball	Check	5.4	327.11
■ LSVBHH11-333W-NL	Ball	Cascading Dual Check	5.6	390.78

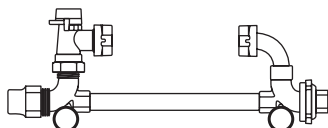
LINESETTERS FOR 1" METER

1" DOUBLE PURPOSE INLET X 1" DOUBLE PURPOSE OUTLET



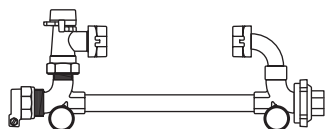
CATALOG NUMBER FOR 1" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
LSV11-444W-NL	Key	None	8.4	\$ 380.17
LSVH11-444W-NL	Key	Check	8.8	471.46
LSVHH11-444W-NL	Key	Cascading Dual Check ▼	9.0	525.37
LSVB11-444W-NL	Ball	None	8.5	442.64
LSVBH11-444W-NL	Ball	Check	8.9	534.04
LSVBHH11-444W-NL	Ball	Cascading Dual Check ▼	9.2	587.80

1" FLARE COPPER INLET X 1" DOUBLE PURPOSE OUTLET



CATALOG NUMBER FOR 1" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
LSV21-444W-NL	Key	None	7.9	\$ 380.17
LSVH21-444W-NL	Key	Check	-	471.46
LSVHH21-444W-NL	Key	Cascading Dual Check ▼	-	525.37
LSVB21-444W-NL	Ball	None	7.9	442.64
LSVBH21-444W-NL	Ball	Check	-	534.04
LSVBHH21-444W-NL	Ball	Cascading Dual Check ▼	8.7	587.80

1" PACK JOINT FOR CTS INLET X 1" DOUBLE PURPOSE OUTLET



CATALOG NUMBER FOR 1" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
▶♦ LSV41-444W-NL	Key	None	7.2	\$ 390.29
▶♦ LSVH41-444W-NL	Key	Check	8.2	481.67
▶♦ LSVHH41-444W-NL	Key	Cascading Dual Check ▼	8.4	539.24
▶♦ LSVB41-444W-NL	Ball	None	7.9	452.82
▶♦ LSVBH41-444W-NL	Ball	Check	8.3	544.20
▶♦ LSVBHH41-444W-NL	Ball	Cascading Dual Check ▼	8.6	598.06

* **Grip Joint** for CTS is available. Insert "- G" into the catalog number.
Example: LSV41-444W-G-NL

♦ **Quick Joint** is available. Insert "-Q" into the catalog number. Example: LSV41-444W-Q-NL

▶ Ultra-Tite is available. Contact factory for pricing and availability.

■ Besides the 3/4" linesetters listed in the above table, any of the 5/8" x 3/4" linesetters are available by special order for full 3/4" meters. Call for catalog number and price.

▼ 1" angle cascading dual check valves contain 3/4" internal components.

Note: 5/8" x 3/4", 3/4", and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

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LINESETTERS FOR 1" METER CONTINUED

1" PACK JOINT FOR CTS INLET X 1" PACK JOINT FOR CTS OUTLET



CATALOG NUMBER FOR 1" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
▶♦ LSV44-444W-NL	Key	None	7.1	\$ 400.43
▶♦ LSVH44-444W-NL	Key	Check	7.6	491.61
▶♦ LSVHH44-444W-NL	Key	Dual Check ▼	7.8	545.54
▶♦ LSVB44-444W-NL	Ball	None	7.3	462.84
▶♦ LSVBH44-444W-NL	Ball	Check	7.7	554.19
▶♦ LSVBHH44-444W-NL	Ball	Dual Check ▼	8.0	608.03

Grip Joint for CTS is available. Insert "G" into the catalog number. Example: LSV44-444W-G-NL
 ♦ Quick Joint is available. Insert "Q" into the catalog number. Example: LSV44-444W-Q-NL
 ▶ Ultra-Tite is available. Contact factory for pricing and availability.

1" MALE IRON PIPE INLET X 1" DOUBLE PURPOSE OUTLET



CATALOG NUMBER FOR 1" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
LSV81-444W-NL	Key	None	8.5	\$ 379.76
LSVH81-444W-NL	Key	Check	-	471.46
LSVHH81-444W-NL	Key	Dual Check ▼	-	525.37
LSVB81-444W-NL	Ball	None	-	442.64
LSVBH81-444W-NL	Ball	Check	-	534.04
LSVBHH81-444W-NL	Ball	Dual Check ▼	8.3	587.80

▼ 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. Insert "-FP" into the catalog number for full port. Example: LSV81-444W-FP-NL

ADDITIONAL OPTIONS FOR LINESETTERS

Optional Features

Add to Price

1/2" or 3/4" male swivel instead of female swivel on 3/4" double purpose connection No extra charge
 1/2" female swivel instead of 3/4" female swivel on 3/4" double purpose connection No extra charge
 1" male swivel instead of 3/4" female swivel on 3/4" double purpose connection \$ 6.45 per end
 1" female swivel instead of 3/4" female swivel on 3/4" double purpose connection \$ 15.28 per end
 1-1/4" male swivel instead of 1" female swivel on 1" double purpose connection \$ 13.55 per end
 1" male swivel instead of 1" female swivel on 1" double purpose connection No extra charge

Seal wire hole in inlet valve, add to price \$ 1.66
 Seal wire hole in check valve cap, add to price \$ 3.32

Note: Contact factory for proper catalog number for optional features.

CUT-IN TYPE PACK JOINT LINESETTERS, LESS PACK JOINT ASSEMBLY** (order Pack Joint assemblies separately)

CATALOG NUMBER	METER SIZE	INLET CONNECTION	OUTLET CONNECTION	APPROX. WT. LBS.	LIST PRICE
WITHOUT VALVE					
LS00-100-NL	5/8"	Optional Pack Joint	Optional Pack Joint	-	\$ 105.74
LS00-200-NL	5/8" x 3/4"	Optional Pack Joint	Optional Pack Joint	2.7	112.87
LS00-300-NL	3/4"	Optional Pack Joint	Optional Pack Joint	-	130.20
WITH VALVE					
LSV00-100W-NL	5/8"	Optional Pack Joint	Optional Pack Joint	-	190.59
LSV00-200W-NL	5/8" x 3/4"	Optional Pack Joint	Optional Pack Joint	3.6	197.84
LSV00-300W-NL	3/4"	Optional Pack Joint	Optional Pack Joint	-	214.91

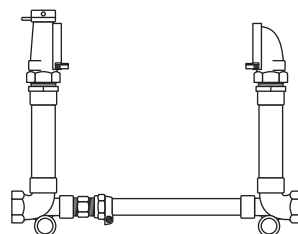
**Pack Joint assemblies for cut-in Pack Joint linesetters (two required per linesetter) – see table on page F-13 under 270 series coppersetters.

70 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS HORIZONTAL INLET AND OUTLET

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS = 13"
2" COPPERSETTERS = 17"

KEY VALVE INLET AND ELL OUTLET

HEIGHT	SERVICE LINE CONNECTION		FOR 1-1/2" METER CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	FOR 2" METER CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
	INLET	OUTLET						
12"	FIP	FIP	V76-12-11-66-NL	20.3	\$ 1448.56	V77-12-11-77-NL	27.0	\$ 1724.37
	CTS*	FIP	V76-12-41-66-NL	22.0	1500.48	V77-12-41-77-NL	28.0	1837.66
	CTS*	CTS*	V76-12-44-66-NL	21.8	1552.57	V77-12-44-77-NL	28.7	1948.24
15"	FIP	FIP	V76-15-11-66-NL	22.0	1505.54	V77-15-11-77-NL	28.0	1796.14
	CTS*	FIP	V76-15-41-66-NL	24.0	1557.51	V77-15-41-77-NL	29.0	1909.35
	CTS*	CTS*	V76-15-44-66-NL	24.0	1609.50	V77-15-44-77-NL	30.0	2020.08
18"	FIP	FIP	V76-18-11-66-NL	24.0	1555.40	V77-18-11-77-NL	30.0	1867.86
	CTS*	FIP	V76-18-41-66-NL	24.0	1607.49	V77-18-41-77-NL	31.0	1981.07
	CTS*	CTS*	V76-18-44-66-NL	24.0	1659.45	V77-18-44-77-NL	31.0	2091.78
21"	FIP	FIP	V76-21-11-66-NL	24.0	1614.05	V77-21-11-77-NL	32.0	1948.24
	CTS*	FIP	V76-21-41-66-NL	24.0	1666.13	V77-21-41-77-NL	32.0	2061.55
	CTS*	CTS*	V76-21-44-66-NL	24.0	1718.06	V77-21-44-77-NL	32.5	2172.17
24"	FIP	FIP	V76-24-11-66-NL	24.0	1663.89	V77-24-11-77-NL	33.0	2020.14
	CTS*	FIP	V76-24-41-66-NL	24.0	1715.93	V77-24-41-77-NL	33.0	2133.26
	CTS*	CTS*	V76-24-44-66-NL	24.0	1767.92	V77-24-44-77-NL	33.0	2244.03
27"	FIP	FIP	V76-27-11-66-NL	25.0	1713.82	V77-27-11-77-NL	34.0	2091.86
	CTS*	FIP	V76-27-41-66-NL	25.0	1765.90	V77-27-41-77-NL	34.0	2205.06
	CTS*	CTS*	V76-27-44-66-NL	25.0	1817.86	V77-27-44-77-NL	34.0	2315.73



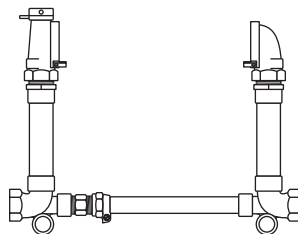
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Note: 1-1/2" and 2" coppersetter with an ell on the outlet is standard **without** a by-pass.

* **Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: V76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.

BALL VALVE INLET AND ELL OUTLET

HEIGHT	SERVICE LINE CONNECTION		FOR 1-1/2" METER CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	FOR 2" METER CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
	INLET	OUTLET						
12"	FIP	FIP	VB76-12-11-66-NL	21.2	\$ 1601.13	VB77-12-11-77-NL	28.1	\$ 1840.63
	CTS*	FIP	VB76-12-41-66-NL	21.8	1653.13	VB77-12-41-77-NL	29.2	1953.95
	CTS*	CTS*	VB76-12-44-66-NL	22.0	1705.17	VB77-12-44-77-NL	30.2	2064.48
15"	FIP	FIP	VB76-15-11-66-NL	22.0	1658.16	VB77-15-11-77-NL	30.0	1912.30
	CTS*	FIP	VB76-15-41-66-NL	23.0	1710.13	VB77-15-41-77-NL	30.0	2025.55
	CTS*	CTS*	VB76-15-44-66-NL	23.3	1762.12	VB77-15-44-77-NL	31.2	2136.20
18"	FIP	FIP	VB76-18-11-66-NL	23.2	1708.04	VB77-18-11-77-NL	32.0	1984.06
	CTS*	FIP	VB76-18-41-66-NL	24.0	1760.10	VB77-18-41-77-NL	32.0	2097.30
	CTS*	CTS*	VB76-18-44-66-NL	24.0	1811.42	VB77-18-44-77-NL	32.5	2207.91
21"	FIP	FIP	VB76-21-11-66-NL	24.2	1766.63	VB77-21-11-77-NL	32.0	2288.13
	CTS*	FIP	VB76-21-41-66-NL	24.0	1818.69	VB77-21-41-77-NL	32.0	2177.82
	CTS*	CTS*	VB76-21-44-66-NL	24.0	1870.72	VB77-21-44-77-NL	32.0	2288.40
24"	FIP	FIP	VB76-24-11-66-NL	24.0	1816.55	VB77-24-11-77-NL	32.0	2136.25
	CTS*	FIP	VB76-24-41-66-NL	25.0	1868.63	VB77-24-41-77-NL	33.0	2249.53
	CTS*	CTS*	VB76-24-44-66-NL	25.0	1920.55	VB77-24-44-77-NL	34.0	2360.22
27"	FIP	FIP	VB76-27-11-66-NL	25.4	1866.52	VB77-27-11-77-NL	35.0	2208.07
	CTS*	FIP	VB76-27-41-66-NL	25.5	1918.53	VB77-27-41-77-NL	35.0	2321.22
	CTS*	CTS*	VB76-27-44-66-NL	25.8	1970.51	VB77-27-44-77-NL	35.6	2431.90



Note: 1-1/2" and 2" coppersetters with an ell on the outlet are standard **without** a by-pass.

* **Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: VB76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.

OPTIONS: Options for 1-1/2" and 2" coppersetters include couplings for adapting FIP to various types of service line material. Options found on page F-37.

Tandem coppersetters are available, meter and PRV lengths are required. Contact factory for pricing.

Contact factory for availability and price for **no-rise coppersetters**.

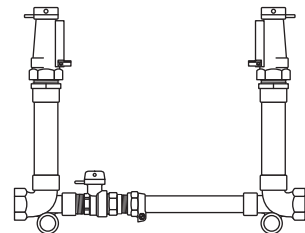
Contact factory for availability and price for heights not listed.

70 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS HORIZONTAL INLET AND OUTLET

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS = 13"
2" COPPERSETTERS = 17"

**KEY VALVE INLET AND OUTLET

HEIGHT	SERVICE LINE CONNECTION		FOR 1-1/2" METER CATALOG NUMBER	APPROX. Wt. LBS.	LIST PRICE	FOR 2" METER CATALOG NUMBER	APPROX. Wt. LBS.	LIST PRICE
	INLET	OUTLET						
12"	FIP	FIP	VV76-12B-11-66-NL	24.3	\$ 1754.78	VV77-12B-11-77-NL	30.7	\$ 2074.50
	CTS*	FIP	VV76-12B-41-66-NL	26.2	1806.80	VV77-12B-41-77-NL	31.8	2187.68
	CTS*	CTS*	VV76-12B-44-66-NL	26.0	1858.76	VV77-12B-44-77-NL	33.0	2298.40
15"	FIP	FIP	VV76-15B-11-66-NL	25.0	1811.73	VV77-15B-11-77-NL	31.7	2146.17
	CTS*	FIP	VV76-15B-41-66-NL	26.7	1863.80	VV77-15B-41-77-NL	32.5	2259.51
	CTS*	CTS*	VV76-15B-44-66-NL	26.5	1915.74	VV77-15B-44-77-NL	33.8	2370.12
18"	FIP	FIP	VV76-18B-11-66-NL	25.6	1861.73	VV77-18B-11-77-NL	32.6	2217.98
	CTS*	FIP	VV76-18B-41-66-NL	27.2	1913.72	VV77-18B-41-77-NL	33.8	2331.09
	CTS*	CTS*	VV76-18B-44-66-NL	27.1	1965.72	VV77-18B-44-77-NL	34.7	2441.81
21"	FIP	FIP	VV76-21B-11-66-NL	26.5	1920.26	VV77-21B-11-77-NL	33.2	2298.40
	CTS*	FIP	VV76-21B-41-66-NL	27.7	1972.36	VV77-21B-41-77-NL	34.5	2411.57
	CTS*	CTS*	VV76-21B-44-66-NL	27.7	2024.23	VV77-21B-44-77-NL	35.5	2522.18
24"	FIP	FIP	VV76-24B-11-66-NL	27.0	1970.20	VV77-24B-11-77-NL	34.2	2370.21
	CTS*	FIP	VV76-24B-41-66-NL	28.3	2022.23	VV77-24B-41-77-NL	35.5	2483.43
	CTS*	CTS*	VV76-24B-44-66-NL	28.3	2074.18	VV77-24B-44-77-NL	36.6	2594.05
27"	FIP	FIP	VV76-27B-11-66-NL	27.5	2020.14	VV77-27B-11-77-NL	35.4	2441.89
	CTS*	FIP	VV76-27B-41-66-NL	29.0	2072.13	VV77-27B-41-77-NL	36.8	2555.15
	CTS*	CTS*	VV76-27B-44-66-NL	29.0	2124.11	VV77-27B-44-77-NL	37.5	2665.80



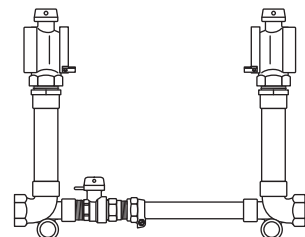
Note: 1-1/2" and 2" coppersettlers with a valve on the outlet are standard with a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VV76-12-11-66-NL

* **Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: VV76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.

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

BALL VALVE INLET AND OUTLET

HEIGHT	SERVICE LINE CONNECTION		FOR 1-1/2" METER CATALOG NUMBER	APPROX. Wt. LBS.	LIST PRICE	FOR 2" METER CATALOG NUMBER	APPROX. Wt. LBS.	LIST PRICE
	INLET	OUTLET						
12"	FIP	FIP	VBB76-12B-11-66-NL	26.0	\$ 2059.98	VBB77-12B-11-77-NL	35.2	\$ 2306.84
	CTS*	FIP	VBB76-12B-41-66-NL	27.0	2112.06	VBB77-12B-41-77-NL	35.0	2420.10
	CTS*	CTS*	VBB76-12B-44-66-NL	38.0	2163.99	VBB77-12B-44-77-NL	36.1	2530.74
15"	FIP	FIP	VBB76-15B-11-66-NL	26.6	2116.99	VBB77-15B-11-77-NL	35.0	2378.62
	CTS*	FIP	VBB76-15B-41-66-NL	27.8	2169.00	VBB77-15B-41-77-NL	36.3	2491.76
	CTS*	CTS*	VBB76-15B-44-66-NL	28.2	2221.02	VBB77-15B-44-77-NL	37.0	2602.56
18"	FIP	FIP	VBB76-18B-11-66-NL	27.2	2166.90	VBB77-18B-11-77-NL	35.7	2450.37
	CTS*	FIP	VBB76-18B-41-66-NL	28.1	2219.03	VBB77-18B-41-77-NL	37.3	2563.51
	CTS*	CTS*	VBB76-18B-44-66-NL	28.8	2270.93	VBB77-18B-44-77-NL	38.0	2674.22
21"	FIP	FIP	VBB76-21B-11-66-NL	27.8	2225.59	VBB77-21B-11-77-NL	36.6	2530.74
	CTS*	FIP	VBB76-21B-41-66-NL	28.0	2277.54	VBB77-21B-41-77-NL	38.0	2643.98
	CTS*	CTS*	VBB76-21B-44-66-NL	28.0	2329.60	VBB77-21B-44-77-NL	39.0	2754.63
24"	FIP	FIP	VBB76-24B-11-66-NL	28.5	2275.40	VBB77-24B-11-77-NL	37.6	2602.66
	CTS*	FIP	VBB76-24B-41-66-NL	30.0	2327.45	VBB77-24B-41-77-NL	39.0	2715.79
	CTS*	CTS*	VBB76-24B-44-66-NL	30.5	2379.43	VBB77-24B-44-77-NL	40.0	2826.50
27"	FIP	FIP	VBB76-27B-11-66-NL	29.1	2325.37	VBB77-27B-11-77-NL	38.5	2674.27
	CTS*	FIP	VBB76-27B-41-66-NL	30.0	2377.44	VBB77-27B-41-77-NL	39.0	2787.57
	CTS*	CTS*	VBB76-27B-44-66-NL	30.7	2429.32	VBB77-27B-44-77-NL	40.7	2898.17



Note: 1-1/2" and 2" coppersettlers with a valve on the outlet are standard with a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VBB76-12-11-66-NL

* **Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: VBB76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.

OPTIONS: Options for 1-1/2" and 2" coppersettlers include couplings for adapting FIP to various types of service line material.
Optional high by-pass for use when standard by-pass is difficult to reach.
Options found on page F-37.

Tandem coppersettlers are available, meter and PRV lengths are required. Contact factory for pricing.

Contact factory for availability and price for **no-rise coppersettlers**.

Contact factory for availability and price for heights not listed.

70 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS HORIZONTAL INLET AND OUTLET

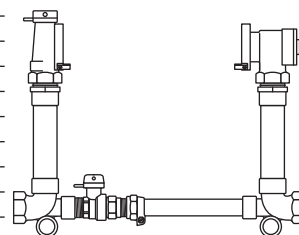
UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS = 13"
2" COPPERSETTERS = 17"

KEY VALVE INLET AND ANGLE CHECK VALVE OUTLET

HEIGHT	SERVICE LINE CONNECTION		FOR 1-1/2" METER CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	FOR 2" METER CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
	INLET	OUTLET						
12"	FIP	FIP	VH76-12B-11-66-NL	25.0	\$ 1799.31	VH77-12B-11-77-NL	31.0	\$ 2114.34
	CTS*	FIP	VH76-12B-41-66-NL	26.0	1851.34	VH77-12B-41-77-NL	32.0	2227.47
	CTS*	CTS*	VH76-12B-44-66-NL	26.0	1903.25	VH77-12B-44-77-NL	33.0	2338.15
15"	FIP	FIP	VH76-15B-11-66-NL	25.0	1856.29	VH77-15B-11-77-NL	32.0	2185.95
	CTS*	FIP	VH76-15B-41-66-NL	26.0	1908.28	VH77-15B-41-77-NL	34.0	2299.26
	CTS*	CTS*	VH76-15B-44-66-NL	27.0	1960.24	VH77-15B-44-77-NL	34.0	2372.78
18"	FIP	FIP	VH76-18B-11-66-NL	26.0	1906.20	VH77-18B-11-77-NL	33.0	2257.73
	CTS*	FIP	VH76-18B-41-66-NL	27.0	1958.25	VH77-18B-41-77-NL	34.0	2370.88
	CTS*	CTS*	VH76-18B-44-66-NL	28.0	2010.18	VH77-18B-44-77-NL	35.0	2481.62
21"	FIP	FIP	VH76-21B-11-66-NL	27.0	1964.80	VH77-21B-11-77-NL	34.0	2338.15
	CTS*	FIP	VH76-21B-41-66-NL	28.0	2016.84	VH77-21B-41-77-NL	35.0	2451.38
	CTS*	CTS*	VH76-21B-44-66-NL	28.0	2068.84	VH77-21B-44-77-NL	35.0	2562.12
24"	FIP	FIP	VH76-24B-11-66-NL	27.2	2014.80	VH77-24B-11-77-NL	35.0	2410.05
	CTS*	FIP	VH76-24B-41-66-NL	28.0	2066.74	VH77-24B-41-77-NL	36.0	2523.21
	CTS*	CTS*	VH76-24B-44-66-NL	28.0	2118.65	VH77-24B-44-77-NL	36.0	2633.92
27"	FIP	FIP	VH76-27B-11-66-NL	28.0	2064.61	VH77-27B-11-77-NL	36.0	2481.74
	CTS*	FIP	VH76-27B-41-66-NL	29.0	2116.72	VH77-27B-41-77-NL	37.0	2595.02
	CTS*	CTS*	VH76-27B-44-66-NL	29.4	2168.66	VH77-27B-44-77-NL	38.0	2705.57

Note: 1-1/2" and 2" coppersettors with a valve on the outlet are standard with a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VH76-12-11-66-NL

* **Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: VH76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.



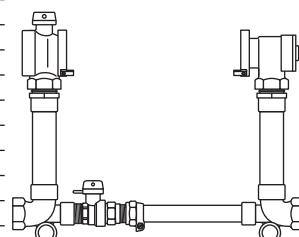
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BALL VALVE INLET AND ANGLE CHECK VALVE OUTLET

HEIGHT	SERVICE LINE CONNECTION		FOR 1-1/2" METER CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	FOR 2" METER CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
	INLET	OUTLET						
12"	FIP	FIP	VBH76-12B-11-66-NL	25.6	\$ 1951.99	VBH77-12B-11-77-NL	32.0	\$ 2230.68
	CTS*	FIP	VBH76-12B-41-66-NL	26.0	2003.93	VBH77-12B-41-77-NL	33.7	2343.85
	CTS*	CTS*	VBH76-12B-44-66-NL	27.0	2055.94	VBH77-12B-44-77-NL	35.0	2454.52
15"	FIP	FIP	VBH76-15B-11-66-NL	27.0	2008.91	VBH77-15B-11-77-NL	34.0	2302.36
	CTS*	FIP	VBH76-15B-41-66-NL	28.0	2060.87	VBH77-15B-41-77-NL	36.0	2415.66
	CTS*	CTS*	VBH76-15B-44-66-NL	27.0	2112.91	VBH77-15B-44-77-NL	36.0	2526.24
18"	FIP	FIP	VBH76-18B-11-66-NL	28.0	2067.67	VBH77-18B-11-77-NL	35.0	2374.13
	CTS*	FIP	VBH76-18B-41-66-NL	29.0	2110.83	VBH77-18B-41-77-NL	37.0	2487.28
	CTS*	CTS*	VBH76-18B-44-66-NL	30.0	2162.74	VBH77-18B-44-77-NL	37.0	2597.96
21"	FIP	FIP	VBH76-21B-11-66-NL	29.0	2117.45	VBH77-21B-11-77-NL	36.0	2454.52
	CTS*	FIP	VBH76-21B-41-66-NL	30.0	2169.47	VBH77-21B-41-77-NL	36.0	2567.73
	CTS*	CTS*	VBH76-21B-44-66-NL	30.0	2221.45	VBH77-21B-44-77-NL	37.0	2678.37
24"	FIP	FIP	VBH76-24B-11-66-NL	29.0	2167.32	VBH77-24B-11-77-NL	36.0	2526.47
	CTS*	FIP	VBH76-24B-41-66-NL	30.0	2135.39	VBH77-24B-41-77-NL	38.0	2639.50
	CTS*	CTS*	VBH76-24B-44-66-NL	31.0	2271.34	VBH77-24B-44-77-NL	38.6	2750.28
27"	FIP	FIP	VBH76-27B-11-66-NL	30.0	2217.29	VBH77-27B-11-77-NL	37.0	2598.16
	CTS*	FIP	VBH76-27B-41-66-NL	31.0	2269.33	VBH77-27B-41-77-NL	39.0	2711.37
	CTS*	CTS*	VBH76-27B-44-66-NL	32.0	2321.22	VBH77-27B-44-77-NL	39.5	2821.97

Note: 1-1/2" and 2" coppersettors with a valve on the outlet are standard with a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VBH76-12-11-66-NL

* **Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: VBH76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.



OPTIONS: Options for 1-1/2" and 2" coppersettors include couplings for adapting FIP to various types of service line material.
Optional high by-pass for use when standard by-pass is difficult to reach.
Options found on page F-37.

Tandem coppersettors are available, meter and PRV lengths are required. Contact factory for pricing.

Contact factory for availability and price for **no-rise coppersettors**.

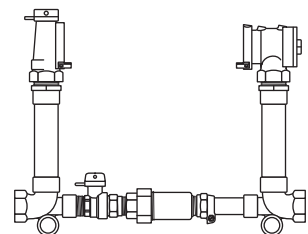
Contact factory for availability and price for heights not listed.

70 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS HORIZONTAL INLET AND OUTLET

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS = 13"
2" COPPERSETTERS = 17"

KEY VALVE INLET AND ANGLE DUAL CHECK VALVE OUTLET

HEIGHT	SERVICE LINE CONNECTION		FOR 1-1/2" METER CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	FOR 2" METER CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
	INLET	OUTLET						
12"	FIP	FIP	VHH76-12B-11-66-NL	27.0	\$ 2049.34	VHH77-12B-11-77-NL	32.0	\$ 2204.24
	CTS*	FIP	VHH76-12B-41-66-NL	28.0	2101.31	VHH77-12B-41-77-NL	34.0	2317.49
	CTS*	CTS*	VHH76-12B-44-66-NL	28.0	2153.36	VHH77-12B-44-77-NL	35.0	2428.07
15"	FIP	FIP	VHH76-15B-11-66-NL	28.0	2106.41	VHH77-15B-11-77-NL	33.0	2275.99
	CTS*	FIP	VHH76-15B-41-66-NL	28.0	2158.34	VHH77-15B-41-77-NL	34.0	2389.16
	CTS*	CTS*	VHH76-15B-44-66-NL	29.0	2210.34	VHH77-15B-44-77-NL	36.0	2499.86
18"	FIP	FIP	VHH76-18B-11-66-NL	28.0	2156.26	VHH77-18B-11-77-NL	34.0	2347.59
	CTS*	FIP	VHH76-18B-41-66-NL	28.0	2208.28	VHH77-18B-41-77-NL	36.0	2460.92
	CTS*	CTS*	VHH76-18B-44-66-NL	29.0	2260.22	VHH77-18B-44-77-NL	36.0	2571.60
21"	FIP	FIP	VHH76-21B-11-66-NL	29.0	2214.87	VHH77-21B-11-77-NL	35.0	2428.07
	CTS*	FIP	VHH76-21B-41-66-NL	30.0	2266.87	VHH77-21B-41-77-NL	36.0	2541.34
	CTS*	CTS*	VHH76-21B-44-66-NL	30.0	2318.87	VHH77-21B-44-77-NL	36.0	2651.96
24"	FIP	FIP	VHH76-24B-11-66-NL	30.0	2264.73	VHH77-24B-11-77-NL	36.0	2500.01
	CTS*	FIP	VHH76-24B-41-66-NL	31.0	2316.76	VHH77-24B-41-77-NL	37.0	2613.12
	CTS*	CTS*	VHH76-24B-44-66-NL	31.0	2368.76	VHH77-24B-44-77-NL	39.0	2723.88
27"	FIP	FIP	VHH76-27B-11-66-NL	31.0	2314.70	VHH77-27B-11-77-NL	37.0	2571.72
	CTS*	FIP	VHH76-27B-41-66-NL	31.0	2366.69	VHH77-27B-41-77-NL	38.0	2684.92
	CTS*	CTS*	VHH76-27B-44-66-NL	32.0	2418.70	VHH77-27B-44-77-NL	39.0	2795.59



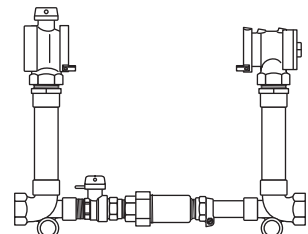
Shown with optional dual check valve in by-pass. See page 37.

Note: 1-1/2" and 2" coppersettors with a valve on the outlet are standard with a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VHH76-12-11-66-NL

* **Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: VHH76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.

BALL VALVE INLET AND ANGLE DUAL CHECK VALVE OUTLET

HEIGHT	SERVICE LINE CONNECTION		FOR 1-1/2" METER CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	FOR 2" METER CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
	INLET	OUTLET						
12"	FIP	FIP	VBHH76-12B-11-66-NL	29.0	\$ 2202.02	VBHH77-12B-11-77-NL	33.0	\$ 2320.66
	CTS*	FIP	VBHH76-12B-41-66-NL	30.0	2253.99	VBHH77-12B-41-77-NL	35.0	2433.85
	CTS*	CTS*	VBHH76-12B-44-66-NL	30.0	2305.92	VBHH77-12B-44-77-NL	36.0	2544.45
15"	FIP	FIP	VBHH76-15B-11-66-NL	30.0	2259.00	VBHH77-15B-11-77-NL	34.0	2392.28
	CTS*	FIP	VBHH76-15B-41-66-NL	30.0	2310.97	VBHH77-15B-41-77-NL	36.0	2505.60
	CTS*	CTS*	VBHH76-15B-44-66-NL	31.0	2362.93	VBHH77-15B-44-77-NL	37.0	2616.21
18"	FIP	FIP	VBHH76-18B-11-66-NL	30.0	2308.92	VBHH77-18B-11-77-NL	35.0	2464.01
	CTS*	FIP	VBHH76-18B-41-66-NL	31.0	2360.97	VBHH77-18B-41-77-NL	36.0	2577.24
	CTS*	CTS*	VBHH76-18B-44-66-NL	32.0	2412.85	VBHH77-18B-44-77-NL	37.0	2687.99
21"	FIP	FIP	VBHH76-21B-11-66-NL	31.0	2367.51	VBHH77-21B-11-77-NL	36.0	2544.45
	CTS*	FIP	VBHH76-21B-41-66-NL	32.0	2419.50	VBHH77-21B-41-77-NL	37.0	2657.72
	CTS*	CTS*	VBHH76-21B-44-66-NL	32.0	2471.46	VBHH77-21B-44-77-NL	38.0	2768.35
24"	FIP	FIP	VBHH76-24B-11-66-NL	32.0	2417.36	VBHH77-24B-11-77-NL	37.0	2616.31
	CTS*	FIP	VBHH76-24B-41-66-NL	33.0	2469.35	VBHH77-24B-41-77-NL	38.0	2729.52
	CTS*	CTS*	VBHH76-24B-44-66-NL	33.0	2521.42	VBHH77-24B-44-77-NL	39.0	2840.19
27"	FIP	FIP	VBHH76-27B-11-66-NL	32.0	2467.26	VBHH77-27B-11-77-NL	38.0	2688.03
	CTS*	FIP	VBHH76-27B-41-66-NL	33.0	2519.36	VBHH77-27B-41-77-NL	39.0	2801.21
	CTS*	CTS*	VBHH76-27B-44-66-NL	33.0	2571.28	VBHH77-27B-44-77-NL	41.0	2911.92



Shown with optional dual check valve in by-pass. See page 37.

Note: 1-1/2" and 2" coppersettors with a valve on the outlet are standard with a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VBHH76-12-11-66-NL

* **Grip Joint and Quick Joint** for copper or plastic tube (CTS) are available. For Grip Joint, insert "-G" into the catalog number. Example: VBHH76-12-44-66-G-NL. For Quick Joint, insert "-Q" into the catalog number.

OPTIONS: Options for 1-1/2" and 2" coppersettors include couplings for adapting FIP to various types of service line material.
Optional high by-pass for use when standard by-pass is difficult to reach.
Options found on page F-37.

Tandem coppersettors are available, meter and PRV lengths are required. Contact factory for pricing.

Contact factory for availability and price for **no-rise coppersettors**.

Contact factory for availability and price for heights not listed.

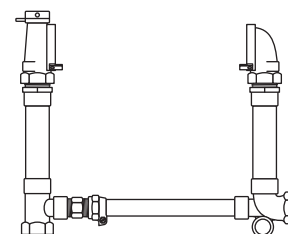
70-80 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS VERTICAL INLET AND HORIZONTAL OUTLET

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS WILL BE 13"
2" COPPERSETTERS WILL BE 17"

KEY VALVE INLET AND ELL OUTLET

HEIGHT	FOR 1-1/2" METER			FOR 2" METER		
	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12"	V76-86-12-11-66-NL	20.0	\$ 1448.56	V77-87-12-11-77-NL	26.0	\$ 1724.37
15"	V76-86-15-11-66-NL	21.0	1505.54	V77-87-15-11-77-NL	27.0	1796.14
18"	V76-86-18-11-66-NL	22.0	1555.40	V77-87-18-11-77-NL	28.0	1867.86
21"	V76-86-21-11-66-NL	23.0	1614.05	V77-87-21-11-77-NL	29.0	1948.24
24"	V76-86-24-11-66-NL	23.0	1663.89	V77-87-24-11-77-NL	30.0	2020.14
27"	V76-86-27-11-66-NL	24.0	1713.82	V77-87-27-11-77-NL	30.0	2091.86

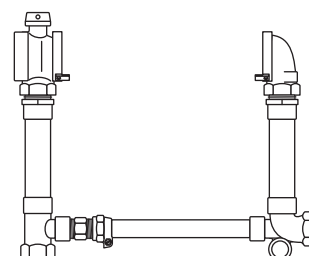
Note: 1-1/2" and 2" coppersettors with an ell on the outlet are standard **without** a by-pass.



BALL VALVE INLET AND ELL OUTLET

HEIGHT	FOR 1-1/2" METER			FOR 2" METER		
	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12"	VB76-86-12-11-66-NL	23.0	\$ 1601.13	VB77-87-12-11-77-NL	29.0	\$ 1840.63
15"	VB76-86-15-11-66-NL	24.0	1658.16	VB77-87-15-11-77-NL	30.0	1912.30
18"	VB76-86-18-11-66-NL	25.0	1708.04	VB77-87-18-11-77-NL	30.0	1984.06
21"	VB76-86-21-11-66-NL	25.0	1766.63	VB77-87-21-11-77-NL	31.0	2064.48
24"	VB76-86-24-11-66-NL	26.0	1816.55	VB77-87-24-11-77-NL	31.0	2136.25
27"	VB76-86-27-11-66-NL	26.0	1866.52	VB77-87-27-11-77-NL	32.0	2208.07

Note: 1-1/2" and 2" coppersettors with an ell on the outlet are standard **without** a by-pass.

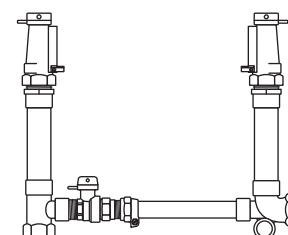


F

KEY VALVE INLET AND OUTLET

HEIGHT	FOR 1-1/2" METER			FOR 2" METER		
	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12"	VV76-86-12B-11-66-NL	24.0	\$ 1754.78	VV77-87-12B-11-77-NL	31.0	\$ 2074.50
15"	VV76-86-15B-11-66-NL	25.0	1811.73	VV77-87-15B-11-77-NL	32.0	2146.17
18"	VV76-86-18B-11-66-NL	26.0	1861.73	VV77-87-18B-11-77-NL	32.0	2217.98
21"	VV76-86-21B-11-66-NL	26.0	1920.26	VV77-87-21B-11-77-NL	33.0	2298.40
24"	VV76-86-24B-11-66-NL	27.0	1970.20	VV77-87-24B-11-77-NL	33.0	2370.21
27"	VV76-86-27B-11-66-NL	28.0	2020.14	VV77-87-27B-11-77-NL	34.0	2441.89

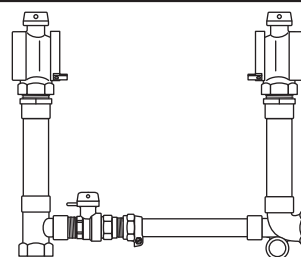
Note: 1-1/2" and 2" coppersettors with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VV76-86-15-11-66-NL



BALL VALVE INLET AND OUTLET

HEIGHT	FOR 1-1/2" METER			FOR 2" METER		
	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12"	VBB76-86-12B-11-66-NL	25.7	\$ 2059.98	VBB77-87-12B-11-77-NL	32.5	\$ 2306.84
15"	VBB76-86-15B-11-66-NL	26.3	2116.99	VBB77-87-15B-11-77-NL	33.4	2378.62
18"	VBB76-86-18B-11-66-NL	27.0	2166.90	VBB77-87-18B-11-77-NL	34.4	2450.37
21"	VBB76-86-21B-11-66-NL	28.7	2225.59	VBB77-87-21B-11-77-NL	35.6	2530.74
24"	VBB76-86-24B-11-66-NL	29.3	2275.40	VBB77-87-24B-11-77-NL	36.4	2602.66
27"	VBB76-86-27B-11-66-NL	31.0	2325.37	VBB77-87-27B-11-77-NL	38.0	2674.27

Note: 1-1/2" and 2" coppersettors with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VBB76-86-15-11-66-NL



OPTIONS: Options for 1-1/2" and 2" coppersettors include couplings for adapting FIP to various types of service line material.
Optional high by-pass for use when standard by-pass is difficult to reach.
Options found on page F-37.

Tandem coppersettors are available, meter and PRV lengths are required. Contact factory for pricing.

Contact factory for availability and price for **no-rise coppersettors**.

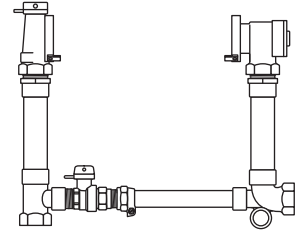
Contact factory for availability and price for heights not listed.

70-80 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS VERTICAL INLET AND HORIZONTAL OUTLET

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS WILL BE 13"
2" COPPERSETTERS WILL BE 17"

KEY VALVE INLET AND ANGLE CHECK VALVE OUTLET

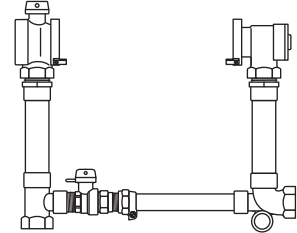
FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	
12"	VH76-86-12B-11-66-NL	25.0	\$ 1799.31	VH77-87-12B-11-77-NL	30.0	\$ 2114.34	
15"	VH76-86-15B-11-66-NL	26.0	1856.29	VH77-87-15B-11-77-NL	31.0	2185.95	
18"	VH76-86-18B-11-66-NL	26.0	1906.20	VH77-87-18B-11-77-NL	32.0	2257.73	
21"	VH76-86-21B-11-66-NL	27.0	1964.80	VH77-87-21B-11-77-NL	33.0	2338.15	
24"	VH76-86-24B-11-66-NL	27.0	2014.80	VH77-87-24B-11-77-NL	33.0	2410.05	
27"	VH76-86-27B-11-66-NL	27.0	2064.61	VH77-87-27B-11-77-NL	33.0	2481.74	



Note: 1-1/2" and 2" coppersettors with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VH76-86-12-11-66-NL

BALL VALVE INLET AND ANGLE CHECK VALVE OUTLET

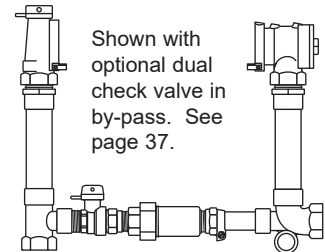
FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	
12"	VBH76-86-12B-11-66-NL	26.0	\$ 1951.99	VBH77-87-12B-11-77-NL	31.0	\$ 2230.68	
15"	VBH76-86-15B-11-66-NL	27.0	2008.91	VBH77-87-15B-11-77-NL	32.0	2302.36	
18"	VBH76-86-18B-11-66-NL	28.0	2058.90	VBH77-87-18B-11-77-NL	33.0	2374.13	
21"	VBH76-86-21B-11-66-NL	28.0	2117.45	VBH77-87-21B-11-77-NL	34.0	2454.52	
24"	VBH76-86-24B-11-66-NL	29.0	2167.32	VBH77-87-24B-11-77-NL	35.0	2526.47	
27"	VBH76-86-27B-11-66-NL	29.0	2217.29	VBH77-87-27B-11-77-NL	36.0	2598.16	



Note: 1-1/2" and 2" coppersettors with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VBH76-86-12-11-66-NL

KEY VALVE INLET AND ANGLE DUAL CHECK VALVE OUTLET

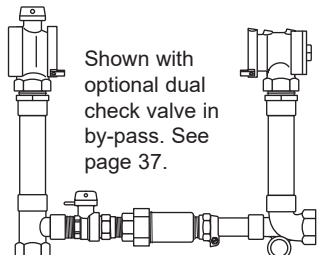
FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	
12"	VHH76-86-12B-11-66-NL	25.0	\$ 2049.34	VHH77-87-12B-11-77-NL	31.0	\$ 2320.66	
15"	VHH76-86-15B-11-66-NL	25.0	2106.41	VHH77-87-15B-11-77-NL	31.0	2392.28	
18"	VHH76-86-18B-11-66-NL	26.0	2156.26	VHH77-87-18B-11-77-NL	32.0	2464.01	
21"	VHH76-86-21B-11-66-NL	26.0	2214.87	VHH77-87-21B-11-77-NL	32.0	2544.45	
24"	VHH76-86-24B-11-66-NL	27.0	2264.73	VHH77-87-24B-11-77-NL	33.0	2616.31	
27"	VHH76-86-27B-11-66-NL	27.0	2314.70	VHH77-87-27B-11-77-NL	33.0	2688.03	



Note: 1-1/2" and 2" coppersettors with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VHH76-86-12-11-66-NL

BALL VALVE INLET AND ANGLE DUAL CHECK VALVE OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	
12"	VBHH76-86-12B-11-66-NL	28.0	\$ 2202.02	VBHH77-87-12B-11-77-NL	32.0	\$ 2320.66	
15"	VBHH76-86-15B-11-66-NL	29.0	2259.00	VBHH77-87-15B-11-77-NL	33.0	2392.28	
18"	VBHH76-86-18B-11-66-NL	30.0	2308.92	VBHH77-87-18B-11-77-NL	34.0	2464.01	
21"	VBHH76-86-21B-11-66-NL	30.0	2367.51	VBHH77-87-21B-11-77-NL	34.0	2544.45	
24"	VBHH76-86-24B-11-66-NL	31.0	2417.36	VBHH77-87-24B-11-77-NL	35.0	2616.31	
27"	VBHH76-86-27B-11-66-NL	32.0	2467.26	VBHH77-87-27B-11-77-NL	36.0	2688.03	



Note: 1-1/2" and 2" coppersettors with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VBHH76-86-12-11-66-NL

OPTIONS: Options for 1-1/2" and 2" coppersettors include couplings for adapting FIP to various types of service line material.
Optional high by-pass for use when standard by-pass is difficult to reach.
Options found on page F-37.

Tandem coppersettors are available, meter and PRV lengths are required. Contact factory for pricing.

Contact factory for availability and price for **no-rise coppersettors**.

Contact factory for availability and price for heights not listed.

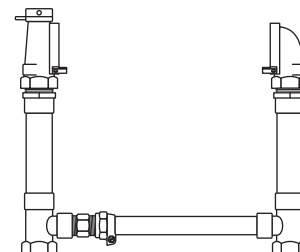
80 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS VERTICAL INLET AND VERTICAL OUTLET

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS WILL BE 13"
2" COPPERSETTERS WILL BE 17"

KEY VALVE INLET AND ELL OUTLET

HEIGHT	FOR 1-1/2" METER			FOR 2" METER		
	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12"	V86-12-11-66-NL	20.0	\$ 1448.56	V87-12-11-77-NL	24.0	\$ 1724.37
15"	V86-15-11-66-NL	21.0	1505.54	V87-15-11-77-NL	25.0	1796.14
18"	V86-18-11-66-NL	21.0	1555.40	V87-18-11-77-NL	26.0	1867.86
21"	V86-21-11-66-NL	22.0	1614.05	V87-21-11-77-NL	26.0	1948.24
24"	V86-24-11-66-NL	22.0	1663.89	V87-24-11-77-NL	27.0	2020.14
27"	V86-27-11-66-NL	23.0	1713.82	V87-27-11-77-NL	28.0	2091.86

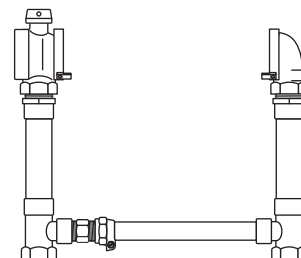
Note: 1-1/2" and 2" coppersettors with an ell on the outlet are standard **without** a by-pass.



BALL VALVE INLET AND ELL OUTLET

HEIGHT	FOR 1-1/2" METER			FOR 2" METER		
	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12"	VB86-12-11-66-NL	22.0	\$ 1601.13	VB87-12-11-77-NL	25.0	\$ 1840.63
15"	VB86-15-11-66-NL	22.0	1658.16	VB87-15-11-77-NL	26.0	1912.30
18"	VB86-18-11-66-NL	23.0	1708.04	VB87-18-11-77-NL	27.0	1984.06
21"	VB86-21-11-66-NL	24.0	1766.63	VB87-21-11-77-NL	28.0	2064.48
24"	VB86-24-11-66-NL	24.0	1816.55	VB87-24-11-77-NL	28.0	2136.25
27"	VB86-27-11-66-NL	25.0	1866.52	VB87-27-11-77-NL	29.0	2208.07

Note: 1-1/2" and 2" coppersettors with an ell on the outlet are standard **without** a by-pass.

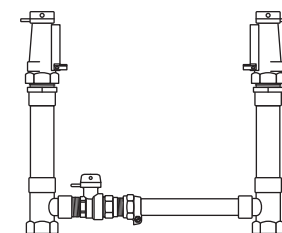


F

KEY VALVE INLET AND OUTLET

HEIGHT	FOR 1-1/2" METER			FOR 2" METER		
	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12"	VV86-12B-11-66-NL	22.8	\$ 1754.78	VV87-12B-11-77-NL	27.3	\$ 2074.50
15"	VV86-15B-11-66-NL	23.5	1811.73	VV87-15B-11-77-NL	28.0	2146.17
18"	VV86-18B-11-66-NL	24.5	1861.73	VV87-18B-11-77-NL	29.0	2217.98
21"	VV86-21B-11-66-NL	25.5	1920.26	VV87-21B-11-77-NL	30.0	2298.40
24"	VV86-24B-11-66-NL	26.5	1970.20	VV87-24B-11-77-NL	31.0	2370.21
27"	VV86-27B-11-66-NL	27.5	2020.14	VV87-27B-11-77-NL	32.0	2441.89

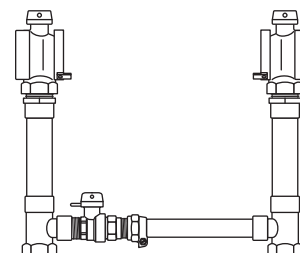
Note: 1-1/2" and 2" coppersettors with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VV86-12-11-66-NL



BALL VALVE INLET AND OUTLET

HEIGHT	FOR 1-1/2" METER			FOR 2" METER		
	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12"	VBB86-12B-11-66-NL	25.0	\$ 2059.98	VBB87-12B-11-77-NL	30.3	\$ 2306.84
15"	VBB86-15B-11-66-NL	26.0	2116.99	VBB87-15B-11-77-NL	31.0	2378.62
18"	VBB86-18B-11-66-NL	26.0	2166.90	VBB87-18B-11-77-NL	32.0	2450.37
21"	VBB86-21B-11-66-NL	27.0	2225.59	VBB87-21B-11-77-NL	33.0	2530.74
24"	VBB86-24B-11-66-NL	27.0	2275.40	VBB87-24B-11-77-NL	34.0	2602.66
27"	VBB86-27B-11-66-NL	28.0	2325.37	VBB87-27B-11-77-NL	35.0	2674.27

Note: 1-1/2" and 2" coppersettors with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VBB86-12-11-66-NL



OPTIONS: Options for 1-1/2" and 2" coppersettors include couplings for adapting FIP to various types of service line material.
Optional high by-pass for use when standard by-pass is difficult to reach.
Options found on page F-37.

Tandem coppersettors are available, meter and PRV lengths are required. Contact factory for pricing.

Contact factory for availability and price for **no-rise coppersettors**.

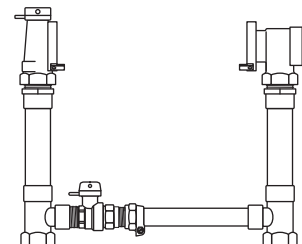
Contact factory for availability and price for heights not listed.

80 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS VERTICAL INLET AND VERTICAL OUTLET

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS WILL BE 13"
2" COPPERSETTERS WILL BE 17"

KEY VALVE INLET AND ANGLE CHECK VALVE OUTLET

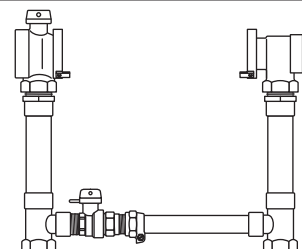
FOR 1-1/2" METER				FOR 2" METER		
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12"	VH86-12B-11-66-NL	24.0	\$ 1799.31	VH87-12B-11-77-NL	28.0	\$ 2114.34
15"	VH86-15B-11-66-NL	25.0	1856.29	VH87-15B-11-77-NL	29.0	2185.95
18"	VH86-18B-11-66-NL	25.0	1906.20	VH87-18B-11-77-NL	29.0	2257.73
21"	VH86-21B-11-66-NL	26.0	1964.80	VH87-21B-11-77-NL	30.0	2338.15
24"	VH86-24B-11-66-NL	27.0	2014.80	VH87-24B-11-77-NL	31.0	2410.05
27"	VH86-27B-11-66-NL	27.0	2064.61	VH87-27B-11-77-NL	31.0	2481.74



Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard with a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VH86-12-11-66-NL

BALL VALVE INLET AND ANGLE CHECK VALVE OUTLET

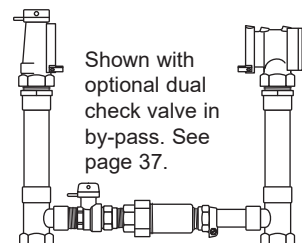
FOR 1-1/2" METER				FOR 2" METER		
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12"	VBH86-12B-11-66-NL	24.0	\$ 1951.99	VBH87-12B-11-77-NL	29.0	\$ 2230.68
15"	VBH86-15B-11-66-NL	25.0	2008.91	VBH87-15B-11-77-NL	30.0	2302.36
18"	VBH86-18B-11-66-NL	26.0	2058.90	VBH87-18B-11-77-NL	32.0	2374.13
21"	VBH86-21B-11-66-NL	26.0	2117.45	VBH87-21B-11-77-NL	32.0	2454.52
24"	VBH86-24B-11-66-NL	27.0	2167.32	VBH87-24B-11-77-NL	33.0	2526.47
27"	VBH86-27B-11-66-NL	27.0	2217.29	VBH87-27B-11-77-NL	34.0	2598.16



Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard with a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VBH86-12-11-66-NL

KEY VALVE INLET AND ANGLE DUAL CHECK VALVE OUTLET

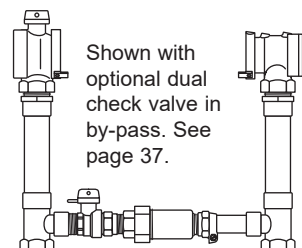
FOR 1-1/2" METER				FOR 2" METER		
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12"	VHH86-12B-11-66-NL	24.0	\$ 2049.34	VHH87-12B-11-77-NL	29.0	\$ 2204.24
15"	VHH86-15B-11-66-NL	25.0	2106.41	VHH87-15B-11-77-NL	30.0	2275.99
18"	VHH86-18B-11-66-NL	26.0	2156.26	VHH87-18B-11-77-NL	31.0	2347.59
21"	VHH86-21B-11-66-NL	27.0	2214.87	VHH87-21B-11-77-NL	32.0	2428.07
24"	VHH86-24B-11-66-NL	28.0	2264.73	VHH87-24B-11-77-NL	33.0	2500.01
27"	VHH86-27B-11-66-NL	29.0	2314.70	VHH87-27B-11-77-NL	34.0	2571.72



Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard with a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VHH86-12-11-66-NL

BALL VALVE INLET AND ANGLE DUAL CHECK VALVE OUTLET

FOR 1-1/2" METER				FOR 2" METER		
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12"	VBHH86-12B-11-66-NL	26.0	\$ 2202.02	VBHH87-12B-11-77-NL	31.0	\$ 2320.66
15"	VBHH86-15B-11-66-NL	27.0	2259.00	VBHH87-15B-11-77-NL	32.0	2392.28
18"	VBHH86-18B-11-66-NL	27.0	2308.92	VBHH87-18B-11-77-NL	32.0	2464.01
21"	VBHH86-21B-11-66-NL	28.0	2367.51	VBHH87-21B-11-77-NL	33.0	2544.45
24"	VBHH86-24B-11-66-NL	28.0	2417.36	VBHH87-24B-11-77-NL	34.0	2616.31
27"	VBHH86-27B-11-66-NL	29.0	2467.26	VBHH87-27B-11-77-NL	34.0	2688.03



Note: 1-1/2" and 2" coppersetters with a valve on the outlet are standard with a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -157.98 from the price. Example: VBHH86-12-11-66-NL

OPTIONS: Options for 1-1/2" and 2" coppersetters include couplings for adapting FIP to various types of service line material.
Optional high by-pass for use when standard by-pass is difficult to reach.
Options found on page F-37.

Tandem coppersetters are available, meter and PRV lengths are required. Contact factory for pricing.

Contact factory for availability and price for **no-rise coppersetters**.

Contact factory for availability and price for heights not listed.

COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS OPTIONS AND COMPONENTS

BY-PASS AND TEST PORT OPTIONS

1-1/2" and 2" coppersetters 12" and higher are available with an optional "high by-pass". Add below prices to coppersetters with a standard by-pass.

For 1-1/2" coppersetter, add to price \$ 736.75

For 2" coppersetter, add to price \$ 779.78

To order, add "HB" following the height in the catalog number.

Example: VV86-18HB-11-66-NL

To order by-pass with cartridge style dual check valve insert "HC" into catalog number. Add to price . . . \$ 417.73

Example: VBHH77-12BHC-11-77-NL for standard by-pass with dual check valve

Example: VBHH77-18HBHC-11-77-NL for high by-pass with dual check valve

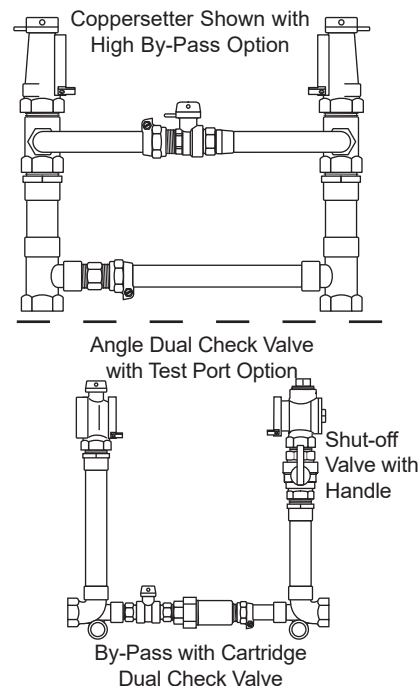
Cartridge check valve in by-pass option requires high by-pass for 1-1/2" and 2" 46 and 47 Resetter Series. Example: VBHH47HBHC-11-77-NL

Test Port option: 1-1/2" and 2" coppersetters 14" and higher (18" or higher with a high by-pass) are available with a test port option. This includes a 1-1/2" FIP test port with plug in the top of the dual check valve and a shut-off ball valve with handle in the outlet leg.

For 1-1/2" coppersetter, add to price \$ 564.72

For 2" coppersetter, add to price \$ 710.01

To order test port option on coppersetters (with dual check valve) insert "-TP6" into the catalog number. Example: VBHH77-18B-11-77-TP6-NL



1-1/2" AND 2" 70 SERIES COPPERSETTER TEES

CATALOG NUMBER	DESCRIPTION	LIST PRICE
CSTEE-6-T-CR-NL	1-1/2" Horizontal Inlet Coppersetter Tee	\$ 160.26
CSTEE-7-T-CR-NL	2" Horizontal Inlet Coppersetter Tee	231.56
CSTEE-6B-T-CR-NL	1-1/2" Horizontal Inlet Coppersetter Tee for By-Pass	160.26
CSTEE-7B-T-CR-NL	2" Horizontal Inlet Coppersetter Tee for By-Pass	231.56
○ CSTEE-6-S-CR-NL	1-1/2" Horizontal Outlet Coppersetter Tee	149.72
○ CSTEE-7-S-CR-NL	2" Horizontal Outlet Coppersetter Tee	212.07
○ CSTEE-6B-S-CR-NL	1-1/2" Horizontal Outlet Coppersetter Tee for By-Pass	149.72
○ CSTEE-7B-S-CR-NL	2" Horizontal Outlet Coppersetter Tee for By-Pass	212.07

1-1/2" AND 2" 80 SERIES COPPERSETTER TEES

CATALOG NUMBER	DESCRIPTION	LIST PRICE
○ T1S1-664-CR-NL	1-1/2" Vertical Inlet/Outlet Coppersetter Tee for By-Pass	\$ 155.12
○ T1S1-774-CR-NL	2" Vertical Inlet/Outlet Coppersetter Tee for By-Pass	178.23

1-1/2" AND 2" COPPERSETTER BUSHINGS AND HIGH BY-PASS TEES

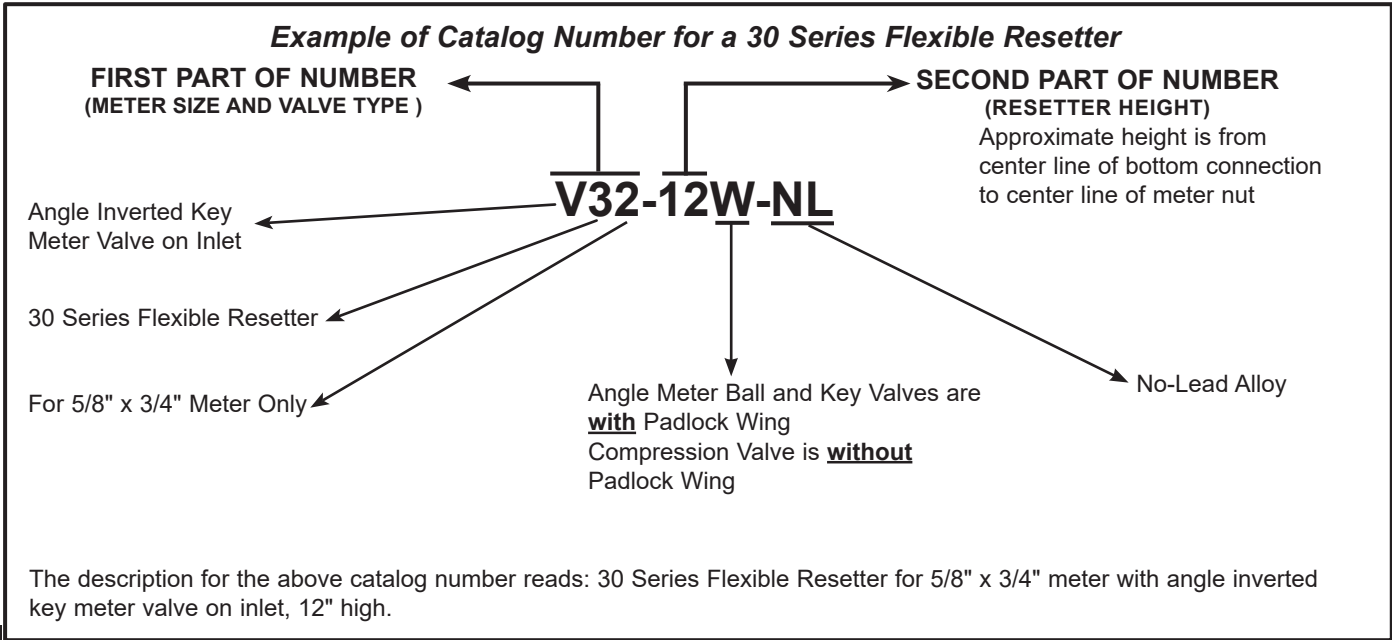
CATALOG NUMBER	DESCRIPTION	LIST PRICE
CS8-66-CR-NL	1-1/2" Solder Valve Bushing for 1-1/2" Copper	\$ 60.73
CS8-77-CR-NL	2" Solder Valve Bushing for 2" Copper	60.73
T184-664-NL	High By-Pass Tee for 1-1/2" Coppersetter	177.39
T184-774-NL	High By-Pass Tee for 2" Coppersetter	197.64

OPTIONAL COUPLINGS

1-1/2" and 2" coppersetters with FIP only end connections can be connected to other types of service lines by use of the couplings listed in section J.

- **Attention:** Special solder and procedures are required for best results. Contact factory or see website for installation instructions.

THE FORD 30 SERIES FLEXIBLE RESETTER



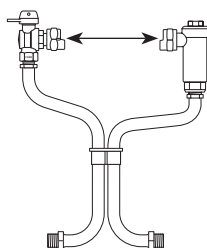
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- TO ORDER:** Select one catalog number component from the charts on pages 39 and 40 to arrive at the complete Flexible Resetter catalog number. Selection order of components:
- Step 1. Meter size and valve type page 39
 - Step 2. Flexible Resetter height page 40

Note: Combine the appropriate weights from this page and the following page to determine the complete coppersetter weight.

30 series resetters are supplied with rubber gaskets for installing resetter and rubber meter gaskets for meter. To order gaskets only, see section H.

STEP 1. METER SIZE AND VALVE TYPE - (FIRST PART OF CATALOG NUMBER)



31, 32 AND 33 SERIES RESETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

CATALOG NUMBER (METER SIZE AND VALVE TYPE)			DESCRIPTION		APPROX. WT. LBS.	LIST PRICE
5/8"	5/8" x 3/4"	3/4"	INLET VALVE	OUTLET VALVE		
31	32	33	None	None	-	-
V31	V32	V33	Key	None	1.3	\$ 68.97
VB31	VB32	VB33	Ball	None	1.4	83.79
VBB31***	VBB32***	VBB33	Ball	Ball	2.7	167.56
VVG31*	VVG32*	VVG33*	Key	Compression	3.3	157.10
VV31	VV32	VV33	Key	Key	2.5	137.87
VH31	VH32	VH33	Key	Single Check	2.6	145.01
VHH31	VHH32	VHH33	Key	Cascading Dual Check	2.9	208.64
VHC31**	VHC32**	VHC33**	Key	Cartridge Dual Check •	3.1	222.23
VBG31*	VBG32*	VBG33*	Ball	Compression	3.0	171.86
VBH31	VBH32	VBH33	Ball	Single Check	3.1	159.87
VBHH31	VBHH32	VBHH33	Ball	Cascading Dual Check	3.1	223.48
VBHC31**	VBHC32**	VBHC33**	Ball	Cartridge Dual Check •	3.2	236.94

* Compression valve does not have padlock wing.

** 15" minimum height for 31, 32 and 33 series resetters with cartridge dual check valve.

*** 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.

• Cartridges with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.

Example: VBHC31-15W-NL. Add to price \$ 36.13

Note: Combine the appropriate weights from this page and the following page to determine the total resetter weight.

34 SERIES RESETTERS FOR 1" METERS

CATALOG NUMBER (METER TYPE) FOR 1"	DESCRIPTION		APPROX. WT. LBS.	LIST PRICE
	INLET VALVE	OUTLET VALVE		
34	None	None	-	-
V34	Key	None	1.9	\$ 105.74
VB34	Ball	None	2.3	168.17
VBB34	Ball	Ball	4.4	336.31
VVG34*	Key	Compression	4.3	246.61
VV34	Key	Key	3.8	211.36
VH34	Key	Single Check	3.5	197.11
VHH34	Key	Cascading Dual Check Δ	3.8	250.90
VHC34**	Key	Cartridge Dual Check •	4.9	371.52
VBG34*	Ball	Compression	4.7	309.04
VBH34	Ball	Single Check	4.0	259.58
VBHH34	Ball	Cascading Dual Check Δ	4.3	313.39
VBHC34**	Ball	Cartridge Dual Check •	5.4	434.01

* Compression valve does not have padlock wing.

** 18" minimum height for 34 series resetters with cartridge dual check valve.

• Cartridges with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.

Example: VBHC34-15W-NL. Add to price \$ 45.81

Δ 1" angle cascading dual check valves contain 3/4" internal components.

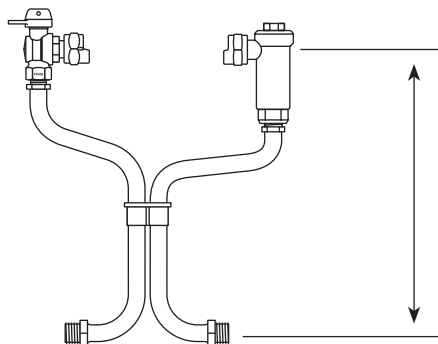
Note: 5/8" x 3/4", 3/4", and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

Note: Combine the appropriate weights from this page and the following page to determine the total resetter weight.

METER VALVE OPTIONS FOR 30 SERIES RESETTERS

Seal wire hole in inlet valve, add to price \$ 1.66
Seal wire hole in check valve cap, add to price \$ 3.32

STEP 2. APPROXIMATE HEIGHT - (SECOND PART OF CATALOG NUMBER)



31 SERIES FLEXIBLE RESETTER FOR 5/8" METERS

CATALOG NUMBER	RESETTER HEIGHT	APPROX. WT. LBS.	STD. PKG. QTY.	ADD TO PRICE
12W-NL	12"	2.6	10	\$ 162.18
15W-NL	15"	2.8	7	168.71
18W-NL	18"	3.0	6	190.11
21W-NL	21"	3.2	6	202.20
24W-NL	24"	3.4	6	211.94

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32 SERIES FLEXIBLE RESETTER FOR 5/8" X 3/4" METERS

CATALOG NUMBER	RESETTER HEIGHT	APPROX. WT. LBS.	STD. PKG. QTY.	ADD TO PRICE
12W-NL	12"	2.7	10	\$ 176.37
15W-NL	15"	2.9	7	182.88
18W-NL	18"	3.1	6	204.38
21W-NL	21"	3.3	6	216.50
24W-NL	24"	3.5	6	226.16

33 SERIES FLEXIBLE RESETTER FOR 3/4" METERS

CATALOG NUMBER	RESETTER HEIGHT	APPROX. WT. LBS.	STD. PKG. QTY.	ADD TO PRICE
12W-NL	12"	3.3	5	\$ 219.23
15W-NL	15"	3.8	5	233.43
18W-NL	18"	4.2	4	250.62
21W-NL	21"	4.6	4	263.58
24W-NL	24"	5.0	4	277.20

34 SERIES FLEXIBLE RESETTER FOR 1" METERS

CATALOG NUMBER	RESETTER HEIGHT	APPROX. WT. LBS.	STD. PKG. QTY.	ADD TO PRICE
15W-NL	15"	4.9	4	\$ 349.31
18W-NL	18"	5.3	4	388.27
21W-NL	21"	5.7	4	412.63
24W-NL	24"	6.1	4	427.11

THE FORD 40 SERIES RESETTER

(for installing meters in existing service lines when meter swivel nuts are available)

Example of Catalog Number for a 40 Series Resetter

FIRST PART OF NUMBER
(METER SIZE AND VALVE TYPE)

SECOND PART OF NUMBER
(RESETTER HEIGHT)

Approximate height is from
center line of bottom connection
to center line of meter nut

Angle Inverted Key
Meter Valve on Inlet

V41-12W-NL

40 Series Resetter

For 5/8" Meter Only

Angle Meter Ball and Key Valves are
with Padlock Wing
Compression Valve is without
Padlock Wing

No-Lead Alloy

The description for the above catalog number reads: 40 series resetter for 5/8" meter with an angle inverted key meter valve on the inlet, 12" high.

TO ORDER: Select one catalog number component from the charts on pages 42 and 43 to arrive at the complete resetter catalog number. Selection order of components:

Step 1. Meter size and valve type page 42

Step 2. Resetter height page 43

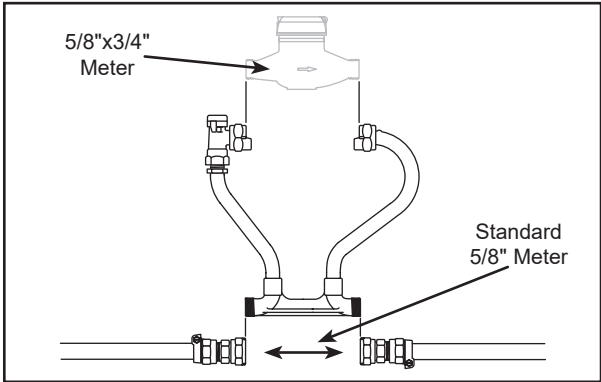
NOTES:

1. All valve type setters are standard with padlock wings.
2. All solder joints for Ford meter setters are made with lead-free solder.
3. All 40 series resetters are supplied with rubber meter gaskets and resetter gaskets.
4. Gaskets for Ford meter setters are priced in section H.

CHANGE-OVER RESETTER

The change-over resetter has a 5/8" bottom bar and 5/8" x 3/4" meter coupling nuts with no additional cost. This allows raising a low-lying meter into a raised position, while also converting the meter size.

To order: Place a "-B1" in the catalog number. Example: V42-7W-B1-NL



Change-over resetters for various meter sizes are available P.O.A.

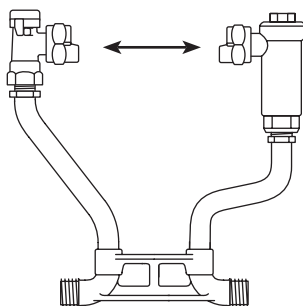
40 series resetters are supplied with rubber gaskets for installing resetter and rubber meter gaskets for meter. To order gaskets only, see section H.

Tandem resetters are available. Refer to page 24 for additional pricing.

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THE FORD 40 SERIES RESETTER

STEP 1. METER SIZE AND VALVE TYPE - (FIRST PART OF CATALOG NUMBER)



41, 42 AND 43 SERIES RESETTERS FOR 5/8", 5/8" X 3/4" AND 3/4" METERS

CATALOG NO. (METER SIZE AND VALVE TYPE)			DESCRIPTION		APPROX. WT. LBS.	LIST PRICE
5/8"	5/8" x 3/4"	3/4"	INLET VALVE	OUTLET VALVE		
41	42	43	None	None	-	-
V41	V42	V43	Key	None	1.3	\$ 68.97
VB41	VB42	VB43	Ball	None	1.4	83.79
VBB41***	VBB42***	VBB43	Ball	Ball	2.7	167.56
VVG41*	VVG42*	VVG43*	Key	Compression	3.3	157.10
VV41	VV42	VV43	Key	Key	2.5	137.87
VH41	VH42	VH43	Key	Single Check	2.6	145.01
VHH41	VHH42	VHH43	Key	Cascading Dual Check	2.9	208.64
VHC41**	VHC42**	VHC43**	Key	Cartridge Dual Check •	3.1	222.23
VBG41*	VBG42*	VBG43*	Ball	Compression	3.0	171.86
VBH41	VBH42	VBH43	Ball	Single Check	3.1	159.87
VBHH41	VBHH42	VBHH43	Ball	Cascading Dual Check	3.1	223.48
VBHC41**	VBHC42**	VBHC43**	Ball	Cartridge Dual Check •	3.2	236.94

* Compression valve does not have padlock wing.

** 9" minimum height for 41 and 42 series resetters and 12" minimum height for 43 series resetters with cartridge dual check valve.

*** 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.

• Cartridges with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.

Example: VBHC43-15W-NL. Add to price \$ 36.13

44 SERIES RESETTER FOR 1" METERS

CATALOG NUMBER (METER SIZE AND VALVE TYPE) FOR 1"	DESCRIPTION		APPROX. WT. LBS.	LIST PRICE
	INLET VALVE	OUTLET VALVE		
44	None	None	-	-
V44	Key	None	1.9	\$ 105.74
VB44	Ball	None	2.3	168.17
VBB44	Ball	Ball	4.4	336.31
VVG44*	Key	Compression	4.3	246.61
VV44	Key	Key	3.8	211.36
VH44	Key	Single Check	3.5	197.11
VHH44	Key	Cascading Dual Check ▼	3.8	250.90
VHC44**	Key	Cartridge Dual Check •	4.9	371.52
VBG44*	Ball	Compression	4.7	309.04
VBH44	Ball	Single Check	4.0	259.58
VBHH44	Ball	Cascading Dual Check ▼	4.3	313.39
VBHC44**	Ball	Cartridge Dual Check •	5.4	434.01

* Compression valve does not have padlock wing.

** 12" minimum height for 44 series resetter with cartridge dual check valve.

• Cartridges with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.

Example: VBHC44-15W-NL. Add to price \$ 45.81

▼ 1" angle cascading dual check valves contain 3/4" internal components.

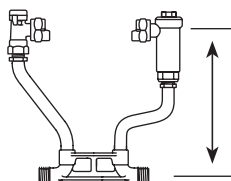
Note: 5/8" x 3/4", 3/4", and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

METER VALVE OPTIONS FOR 40 SERIES RESETTERS

Seal wire hole in inlet valve, add to price \$ 1.66

Seal wire hole in check valve cap, add to price \$ 3.32

STEP 2. APPROXIMATE HEIGHT - (SECOND PART OF CATALOG NUMBER)



41 SERIES RESETTER FOR 5/8" METERS

CATALOG NUMBER	RESETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
7W-NL	7"	2.0	\$ 121.79
9W-NL	9"	2.2	124.34
12W-NL	12"	2.4	131.42
15W-NL	15"	2.6	140.29
18W-NL	18"	3.3	170.22
21W-NL	21"	3.5	178.62
24W-NL	24"	3.8	187.84
27W-NL	27"	4.0	198.48
30W-NL	30"	4.3	207.51

42 SERIES RESETTER FOR 5/8" X 3/4" METERS

CATALOG NUMBER	RESETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
7W-NL	7"	2.2	\$ 129.91
9W-NL	9"	2.4	132.38
12W-NL	12"	2.6	139.46
15W-NL	15"	2.8	148.23
18W-NL	18"	3.5	178.54
21W-NL	21"	3.7	186.89
24W-NL	24"	4.0	196.06
27W-NL	27"	4.2	206.96
30W-NL	30"	4.5	215.80

43 SERIES RESETTER FOR 3/4" METERS

CATALOG NUMBER	RESETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
8W-NL	8"	4.5	\$ 178.00
12W-NL	12"	4.8	185.30
15W-NL	15"	5.1	195.22
18W-NL	18"	6.0	229.17
21W-NL	21"	6.3	253.81
24W-NL	24"	6.7	264.44
27W-NL	27"	7.0	276.15
30W-NL	30"	7.3	288.61

44 SERIES RESETTER FOR 1" METERS

CATALOG NUMBER	RESETTER HEIGHT	APPROX. WT. LBS.	ADD TO PRICE
10W-NL	10"	5.5	\$ 274.01
12W-NL	12"	5.6	283.02
15W-NL	15"	5.9	293.88
18W-NL	18"	7.4	358.34
21W-NL	21"	7.7	381.82
24W-NL	24"	8.1	398.94
27W-NL	27"	8.4	417.09
30W-NL	30"	8.7	436.64

HEIGHT OPTIONS FOR 40 SERIES RESETTERS

RESETTERS OVER 30" CAN BE ORDERED IN 3" INCREMENTS. INDICATE THE HEIGHT REQUIRED IN THE SECOND PART OF THE PART NUMBER. FOR EACH ADDITIONAL 3" IN HEIGHT, ADD TO PRICE:

For 5/8" (V41) resetters	\$ 7.31
For 5/8" x 3/4" (V42) resetters	\$ 7.31
For 3/4" (V43) resetters	\$ 10.07
For 1" (V44) resetters	\$ 11.74

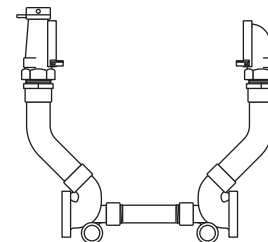
F

RESETTERS FOR FLANGED METERS - (WITHOUT BY-PASS)

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" RESETTERS WILL BE 13"
2" RESETTERS WILL BE 17"

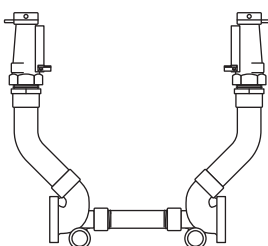
RESETTER WITHOUT BY-PASS FLANGED KEY VALVE ON INLET AND FLANGED ELL ON OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. Wt. LBS.	LIST PRICE	HEIGHT	CATALOG NUMBER	APPROX. Wt. LBS.	LIST PRICE
13"	V46-13-NL	24.0	\$ 2174.63	12"	V47-12-NL	33.0	\$ 2454.39
15"	V46-15-NL	24.0	2174.63	14"	V47-14-NL	33.0	2454.39
18"	V46-18-NL	25.0	2228.09	18"	V47-18-NL	33.0	2454.39
24"	V46-24-NL	26.0	2354.73	24"	V47-24-NL	35.0	2602.78
27"	V46-27-NL	26.0	2412.95	27"	V47-27-NL	36.0	2674.43



RESETTER WITHOUT BY-PASS **FLANGED KEY VALVE ON INLET AND OUTLET

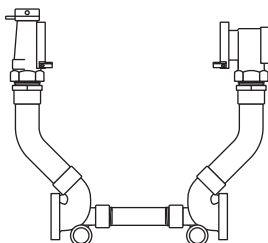
FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. Wt. LBS.	LIST PRICE	HEIGHT	CATALOG NUMBER	APPROX. Wt. LBS.	LIST PRICE
13"	VV46-13-NL	26.0	\$ 2322.94	12"	VV47-12-NL	36.0	\$ 2646.46
15"	VV46-15-NL	26.0	2322.94	14"	VV47-14-NL	36.0	2646.46
18"	VV46-18-NL	26.0	2376.40	18"	VV47-18-NL	36.0	2646.46
24"	VV46-24-NL	28.0	2503.03	24"	VV47-24-NL	38.0	2794.85
27"	VV46-27-NL	29.0	2561.29	27"	VV47-27-NL	39.0	2866.57



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

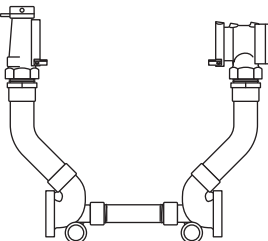
RESETTER WITHOUT BY-PASS FLANGED KEY VALVE ON INLET AND ANGLE CHECK VALVE ON OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. Wt. LBS.	LIST PRICE	HEIGHT	CATALOG NUMBER	APPROX. Wt. LBS.	LIST PRICE
13"	VH46-13-NL	27.0	\$ 2367.51	13"	VH47-13-NL	37.0	\$ 2686.26
15"	VH46-15-NL	27.0	2367.51	16"	VH47-16-NL	37.0	2686.26
18"	VH46-18-NL	27.0	2420.86	18"	VH47-18-NL	37.0	2686.26
24"	VH46-24-NL	28.0	2547.47	24"	VH47-24-NL	38.0	2834.69
27"	VH46-27-NL	29.0	2605.78	27"	VH47-27-NL	39.0	2906.42



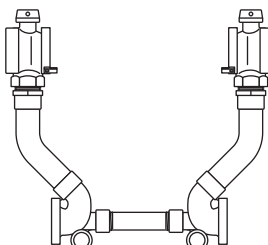
RESETTER WITHOUT BY-PASS FLANGED KEY VALVE ON INLET AND ANGLE DUAL CHECK VALVE ON OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. Wt. LBS.	LIST PRICE	HEIGHT	CATALOG NUMBER	APPROX. Wt. LBS.	LIST PRICE
13"	VHH46-13-NL	28.0	\$ 2617.45	13"	VHH47-13-NL	37.0	\$ 2776.30
15"	VHH46-15-NL	28.0	2617.45	16"	VHH47-16-NL	37.0	2776.30
18"	VHH46-18-NL	29.0	2670.90	18"	VHH47-18-NL	37.0	2776.30
24"	VHH46-24-NL	30.0	2797.61	24"	VHH47-24-NL	39.0	2925.62
27"	VHH46-27-NL	31.0	2855.82	27"	VHH47-27-NL	40.0	2996.29



RESETTER WITHOUT BY-PASS FLANGED BALL VALVE ON INLET AND OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. Wt. LBS.	LIST PRICE	HEIGHT	CATALOG NUMBER	APPROX. Wt. LBS.	LIST PRICE
14"	VBB46-14-NL	28.0	\$ 2628.24	14"	VBB47-14-NL	39.0	\$ 2878.89
16"	VBB46-16-NL	29.0	2628.24	16"	VBB47-16-NL	39.0	2878.89
18"	VBB46-18-NL	32.0	2681.65	18"	VBB47-18-NL	39.0	2878.89
24"	VBB46-24-NL	31.0	2808.31	24"	VBB47-24-NL	41.0	3027.29
27"	VBB46-27-NL	32.0	2866.57	27"	VBB47-27-NL	41.0	3099.07

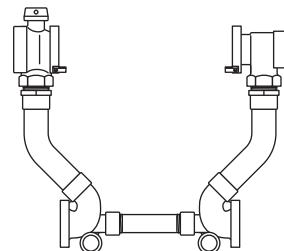


RESETTERS FOR FLANGED METERS - (WITHOUT BY-PASS) - CONTINUED

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" RESETTERS WILL BE 13"
2" RESETTERS WILL BE 17"

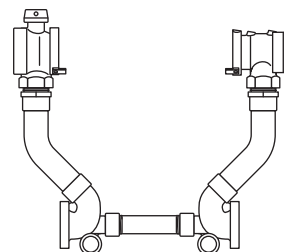
RESETTER WITHOUT BY-PASS FLANGED BALL VALVE ON INLET AND ANGLE CHECK VALVE ON OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
14"	VBH46-14-NL	30.0	\$ 2520.04	14"	VBH47-14-NL	39.0	\$ 2802.49
16"	VBH46-16-NL	30.0	2520.04	16"	VBH47-16-NL	39.0	2802.49
18"	VBH46-18-NL	30.0	2573.50	18"	VBH47-18-NL	39.0	2802.49
24"	VBH46-24-NL	31.0	2700.16	24"	VBH47-24-NL	41.0	2950.88
27"	VBH46-27-NL	31.0	2758.39	27"	VBH47-27-NL	42.0	3022.56



RESETTER WITHOUT BY-PASS FLANGED BALL VALVE ON INLET AND ANGLE DUAL CHECK VALVE ON OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
14"	VBHH46-14-NL	30.0	\$ 2770.15	14"	VBHH47-14-NL	39.0	\$ 2892.47
16"	VBHH46-16-NL	30.0	2770.15	16"	VBHH47-16-NL	39.0	2892.47
18"	VBHH46-18-NL	31.0	2823.53	18"	VBHH47-18-NL	39.0	2892.47
24"	VBHH46-24-NL	32.0	2950.21	24"	VBHH47-24-NL	41.0	3040.83
27"	VBHH46-27-NL	33.0	3008.45	27"	VBHH47-27-NL	42.0	3112.60

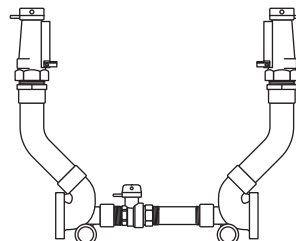


RESETTERS FOR FLANGED METERS - (WITH BY-PASS)

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" RESETTERS WILL BE 13"
2" RESETTERS WILL BE 17"

RESETTER WITH BY-PASS **FLANGED KEY VALVE ON INLET AND OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
13"	VV46-13B-NL	29.4	\$ 2480.89	12"	VV47-12B-NL	36.0	\$ 2804.39
15"	VV46-15B-NL	30.0	2480.89	14"	VV47-14B-NL	37.0	2804.39
18"	VV46-18B-NL	31.0	2534.35	18"	VV47-18B-NL	38.3	2804.39
24"	VV46-24B-NL	32.0	2660.96	24"	VV47-24B-NL	39.0	2952.85
27"	VV46-27B-NL	33.0	2719.27	27"	VV47-27B-NL	40.0	3024.56



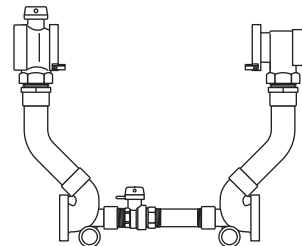
** 1-1/2" and 2" outlet ball valves may be used as a customer shut-off (on customer side of the meter). The flange inverted key angle valves should not be used as a customer shut-off on the customer side of the meter.

RESETTERS FOR FLANGED METERS - (WITH BY-PASS) - *CONTINUED*

UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" RESETTERS WILL BE 13"
2" RESETTERS WILL BE 17"

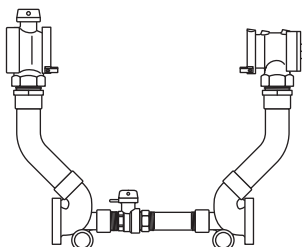
RESETTER WITH BY-PASS FLANGED KEY VALVE ON INLET AND ANGLE CHECK VALVE ON OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
13"	VH46-13B-NL	29.0	\$ 2525.48	13"	VH47-13B-NL	37.0	\$ 2844.26
15"	VH46-15B-NL	29.0	2525.48	16"	VH47-16B-NL	38.0	2844.26
18"	VH46-18B-NL	29.0	2578.83	18"	VH47-18B-NL	38.0	2844.26
24"	VH46-24B-NL	30.0	2705.54	24"	VH47-24B-NL	40.0	2992.63
27"	VH46-27B-NL	31.0	2763.68	27"	VH47-27B-NL	41.0	3064.31



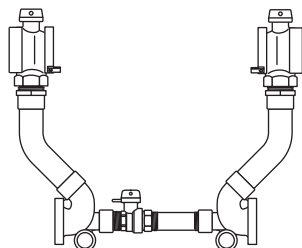
RESETTER WITH BY-PASS FLANGED KEY VALVE ON INLET AND ANGLE DUAL CHECK VALVE ON OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
13"	VHH46-13B-NL	31.0	\$ 2775.45	13"	VHH47-13B-NL	38.0	\$ 2934.20
15"	VHH46-15B-NL	31.0	2775.45	16"	VHH47-16B-NL	38.0	2934.20
18"	VHH46-18B-NL	32.0	2828.91	18"	VHH47-18B-NL	39.0	2934.20
24"	VHH46-24B-NL	32.0	2955.56	24"	VHH47-24B-NL	40.0	3083.57
27"	VHH46-27B-NL	33.0	3013.82	27"	VHH47-27B-NL	42.0	3154.31



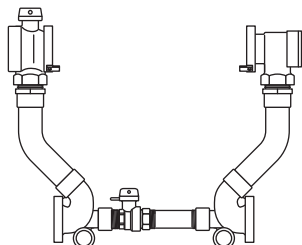
RESETTER WITH BY-PASS FLANGED BALL VALVE ON INLET AND OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
14"	VBB46-14B-NL	30.8	\$ 2786.16	14"	VBB47-14B-NL	41.2	\$ 3036.82
16"	VBB46-16B-NL	30.8	2786.16	16"	VBB47-16B-NL	41.6	3036.82
18"	VBB46-18B-NL	31.1	2839.65	18"	VBB47-18B-NL	42.0	3036.82
24"	VBB46-24B-NL	32.0	2966.19	24"	VBB47-24B-NL	43.1	3185.26
27"	VBB46-27B-NL	33.1	3024.48	27"	VBB47-27B-NL	44.0	3256.93



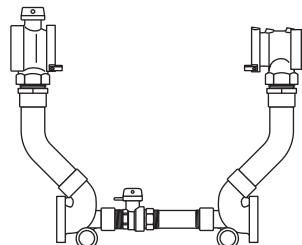
RESETTER WITH BY-PASS FLANGED BALL VALVE ON INLET AND ANGLE CHECK VALVE ON OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
14"	VBH46-14B-NL	30.0	\$ 2678.04	14"	VBH47-14B-NL	41.0	\$ 2960.42
16"	VBH46-16B-NL	30.0	2678.04	16"	VBH47-16B-NL	41.0	2960.42
18"	VBH46-18B-NL	30.0	2731.51	18"	VBH47-18B-NL	42.0	2960.42
24"	VBH46-24B-NL	31.0	2858.13	24"	VBH47-24B-NL	43.0	3108.87
27"	VBH46-27B-NL	32.0	2916.39	27"	VBH47-27B-NL	44.0	3180.60



RESETTER WITH BY-PASS FLANGED BALL VALVE ON INLET AND ANGLE DUAL CHECK VALVE ON OUTLET

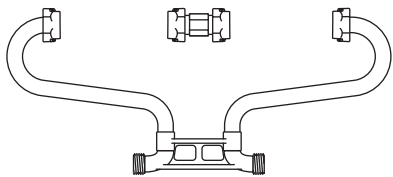
FOR 1-1/2" METER				FOR 2" METER			
HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
14"	VBHH46-14B-NL	32.0	\$ 2928.07	14"	VBHH47-14B-NL	40.0	\$ 3050.36
16"	VBHH46-16B-NL	32.0	2928.07	16"	VBHH47-16B-NL	40.0	3050.36
18"	VBHH46-18B-NL	32.0	2981.59	18"	VBHH47-18B-NL	40.0	3050.36
24"	VBHH46-24B-NL	33.0	3108.13	24"	VBHH47-24B-NL	42.0	3198.74
27"	VBHH46-27B-NL	34.0	3166.49	27"	VBHH47-27B-NL	43.0	3270.56



THE FORD TYPE A AND TYPE B TANDEM RESETTERS

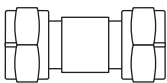
Prices shown are for tandem resetters holding two meters in series. If pressure regulator or other device is to be used instead of one meter, special adapters are necessary. Contact factory for more information and prices.

TYPE A
(double end connection is included)



CATALOG NUMBER	METER SIZE	LIST PRICE
RESETTER-1A-NL	5/8"	\$ 386.50
RESETTER-2A-NL	5/8" x 3/4"	404.91
RESETTER-3A-NL	3/4"	682.14
RESETTER-4A-NL	1"	836.52

DOUBLE END CONNECTION ONLY
(meter swivel nut on both ends)

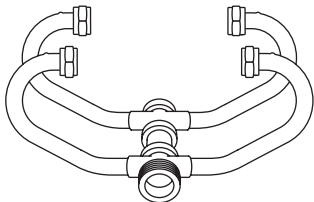


CATALOG NUMBER	METER SIZE	LIST PRICE
DEC-1-NL	5/8"	\$ 32.10
DEC-2-NL	5/8" x 3/4" and 3/4"	34.96
* DEC-4-AWT-NL	1"	82.66

* Consists of two components assembled watertight.

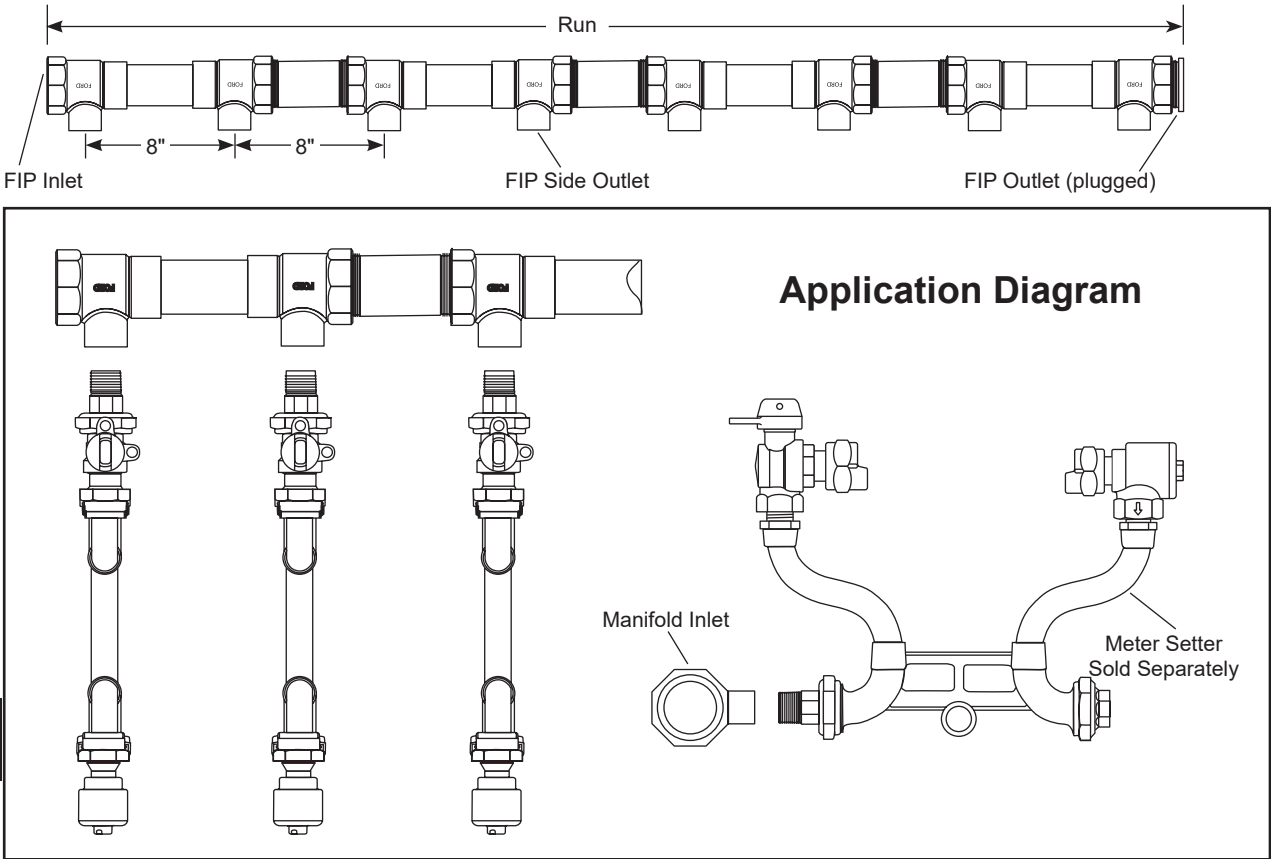
F

TYPE B



Catalog Number	Meter Size	List Price
RESETTER-1B-NL	5/8"	\$ 466.23
RESETTER-2B-NL	5/8" x 3/4"	484.93
RESETTER-3B-NL	3/4"	541.02

METERING MANIFOLDS



F

Used to install a series of meter setters in a central location, Ford Metering Manifolds offer uniform support for various styles and quantities of meter setters. Available with either a 1-1/2" or 2" diameter run, the side outlets have 1" female iron pipe threads for connecting meter setters with a 1" male iron pipe threaded swivel connection. Side outlets are spaced 8" on center as standard. The run outlet is plugged. Ford recommends attaching a valve (price book section G, ordered separately) to the manifold inlet. Meter setters are listed in this price book section F and must be ordered separately. (Shipped unassembled.)

CATALOG NUMBER	NUMBER OF SIDE OUTLETS	FIP INLET, PLUGGED FIP OUTLET	FIP SIDE OUTLET SIZE	APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
M111-464-NL	4	1-1/2"	1"	11.4	-	\$ 933.34
M111-564-NL	5	1-1/2"	1"	14.7	-	1215.42
M111-574-NL	5	2"	1"	17.6	-	1348.74
M111-674-NL	6	2"	1"	21.6	-	1590.10
M111-774-NL	7	2"	1"	25.4	-	1895.59
M111-874-NL	8	2"	1"	29.3	-	2025.39

Manifold Number System

