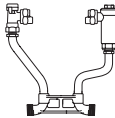
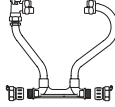
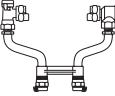
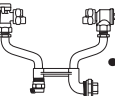
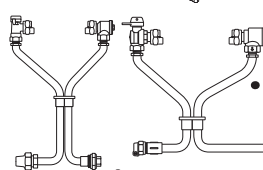


FORD COPPERSETTERS, LINESETTERS AND RESETTERS

SECTION F

ITEM	PAGE
Numbering System	F-2

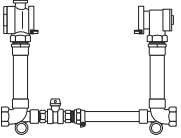
COPPERSETTERS

	• • • • • 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
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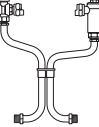
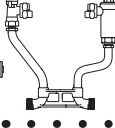
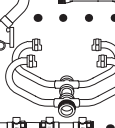
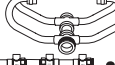
LINESETTERS

	• • • Linesetters	
	5/8"	F-25
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OPTIONS

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Adjustable S-Tube	F-49

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.

** Dual check valves with enhanced chlorine/chloramine resistance are available. Add "CR" to end of alpha code.
 Example: VHCCR72-15W-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

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: 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.

♦ Available with Secura-Lok™ option by putting "SLB" in place of "W"

Note: 1-1/2" and 2" setters with angle ball valve inlets are available with expanding meter flange. Add "-EXP" to end of catalog number. Example: VB77-27-44-77-EXP-NL

Note: For Secura-Lok™ options, see page F-49.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

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

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/IPS PE 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

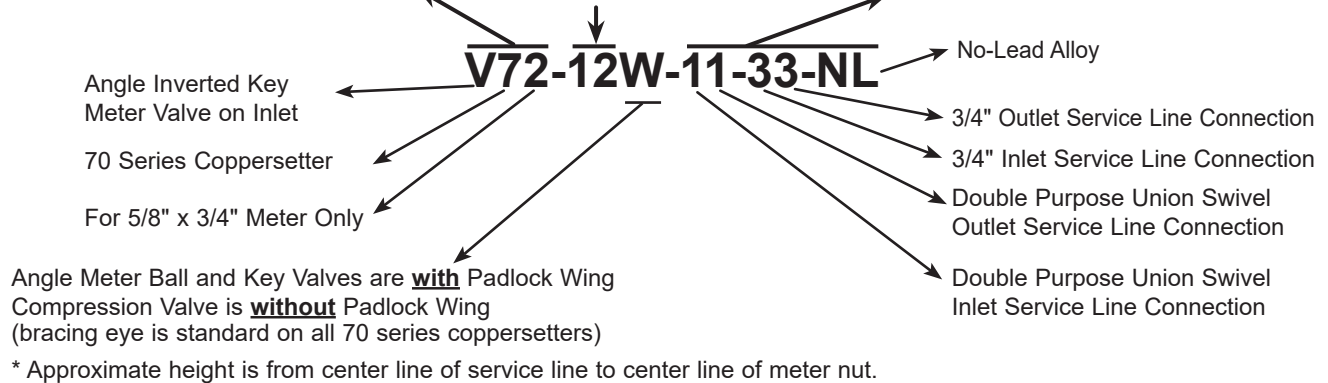
70 SERIES COPPERSETTERS

Example of Catalog Number for a 70 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)**



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.

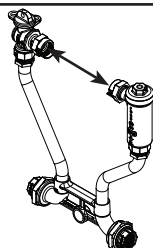
Note: For Secura-Lok™ options, see page F-49.

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)		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	\$ 74.49
VB71	VB72	VB73	Ball	None	90.49
VBB71***	VBB72***	VBB73	Ball	Ball	180.96
VV71	VV72	VV73	Key	Key	148.90
VVG71*	VVG72*	VVG73*	Key	Compression	169.67
VH71	VH72	VH73	Key	Single Check	156.61
VHH71	VHH72	VHH73	Key	• Cascading Dual Check	225.33
VHC71**	VHC72**	VHC73**	Key	• Cartridge Dual Check	240.01
VBG71*	VBG72*	VBG73*	Ball	Compression	185.61
VBH71	VBH72	VBH73	Ball	Single Check	172.66
VBHH71	VBHH72	VBHH73	Ball	• Cascading Dual Check	241.36
VBHC71**	VBHC72**	VBHC73**	Ball	• Cartridge Dual Check	255.90

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.

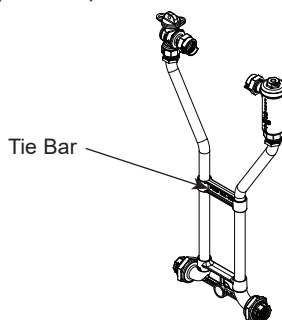
- Dual check valves with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code. Example: VHCCR72-15W-44-33-NL. Add to price for cartridge style \$ 39.02
Add to price for cascading style \$ 19.04

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

Note: For Secura-Lok™ options, see page F-49.

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 \$ 1.79
Seal wire hole in check valve cap, add to price \$ 3.59

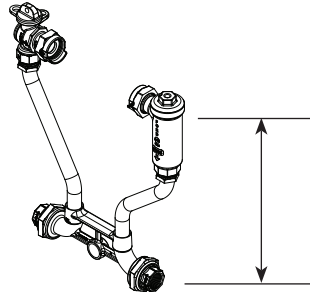


40, 70 AND 270 SERIES TIE BAR REQUIREMENTS				
COPPERSETTER HEIGHT	METER SIZE			
	5/8", 5/8" x 3/4", and 3/4"		1"	
	WITHOUT *HHCA	WITH *HHCA	WITHOUT *HHCA	WITH *HHCA
15" and Under	NO	NO	NO	NO
18"	YES	NO	NO	NO
21"	YES	YES	YES	NO
24" thru 39"	YES	YES	YES	YES
42" and higher	YES (2)	YES (2)	YES (2)	YES (2)

* 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 (IN.)	ADD TO PRICE
7W	7	\$ 75.87
9W	9	78.65
12W	12	86.30
15W	15	95.84
18W	18	128.12
21W	21	137.20
24W	24	147.13
27W	27	158.74
30W	30	168.42
33W	33	178.24
36W	36	187.40
39W	39	197.50
42W	42	207.61

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

CATALOG NUMBER	COPPERSETTER HEIGHT (IN.)	ADD TO PRICE
7W	7	\$ 80.75
9W	9	83.42
12W	12	90.88
15W	15	100.48
18W	18	133.23
21W	21	142.21
24W	24	152.14
27W	27	163.91
30W	30	173.45
33W	33	183.48
36W	36	192.40
39W	39	202.48
42W	42	212.61

73 SERIES FOR 3/4" METER

CATALOG NUMBER	COPPERSETTER HEIGHT (IN.)	ADD TO PRICE
8W	8	\$ 124.12
12W	12	132.06
15W	15	142.72
18W	18	190.24
21W	21	206.02
24W	24	217.47
27W	27	230.05
30W	30	243.60
33W	33	255.41
36W	36	266.09
39W	39	279.99
42W	42	293.97

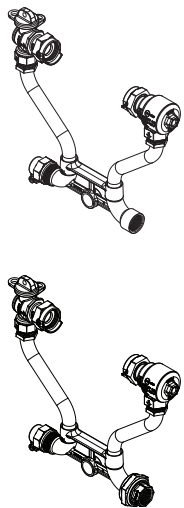
HEIGHT OPTIONS FOR 5/8", 5/8" X 3/4" AND 3/4" 70 SERIES COPPERSETTERS

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

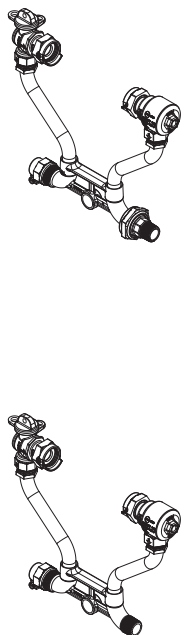
INDICATE THE HEIGHT REQUIRED IN THE SECOND PART OF THE PART NUMBER.

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

For 5/8", 71 series coppersetters \$ 7.89 per 3"
 For 5/8" x 3/4", 72 series coppersetters. \$ 7.89 per 3"
 For 3/4", 73 series coppersetters \$ 10.88 per 3"

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)*	\$ 83.20
▶♦ 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/IPS PE Pipe	3/4" P.J. for PVC/IPS PE 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/IPS PE Pipe	
▶• 74-33-NL	3/4" P.J. for PVC/IPS PE Pipe	3/4" P.J. for Copper or Plastic Tubing (CTS)*	105.44
♦ 44-43-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	
• 44-44-Q-NL	1" Q.J. for Copper or Plastic Tubing (CTS)	1" Q.J. for Copper or Plastic Tubing (CTS)	130.72
▶• 44-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	118.85
▶• 66-44-NL	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	
• 77-44-NL	1" P.J. for PVC/IPS PE Pipe	1" P.J. for PVC/IPS PE 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/IPS PE Pipe	
▶• 74-44-NL	1" P.J. for PVC/IPS PE Pipe	1" P.J. for Copper or Plastic Tubing (CTS)*	
▶• 67-44-NL	1" P.J. for PE Pipe*	1" P.J. for PVC/IPS PE Pipe	
▶• 76-44-NL	1" P.J. for PVC/IPS PE 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	\$ 70.62
▶♦ 14-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for Copper or Plastic Tubing (CTS)*	87.48
▶♦ 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/IPS PE Pipe	
• 71-33-NL	3/4" P.J. for PVC/IPS PE 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/IPS PE Pipe	3/4" Male Iron Pipe Union Swivel	105.44
• 87-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for PVC/IPS PE Pipe	
♦ 48-34-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	1" Male Iron Pipe Union Swivel	118.85
♦ 84-43-NL	1" Male Iron Pipe Union Swivel	3/4" P.J. for Copper or Plastic Tubing (CTS)*	
▶• 84-44-NL	1" Male Iron Pipe Union Swivel	1" P.J. for Copper or Plastic Tubing (CTS)*	105.33
▶• 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/IPS PE Pipe	1" Male Iron Pipe Union Swivel	118.85
• 87-44-NL	1" Male Iron Pipe Union Swivel	1" P.J. for PVC/IPS PE Pipe	
• 41-43-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	105.33
• 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	118.85
• 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/IPS PE Pipe	118.85
• 71-43-NL	1" P.J. for PVC/IPS PE Pipe	3/4" Double Purpose Union Swivel Δ	
• 4F-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Female Iron Pipe Union Swivel	118.85
• 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/IPS PE Pipe	1" Female Iron Pipe Union Swivel	
• F7-44-NL	1" Female Iron Pipe Union Swivel	1" P.J. for PVC/IPS PE Pipe	

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

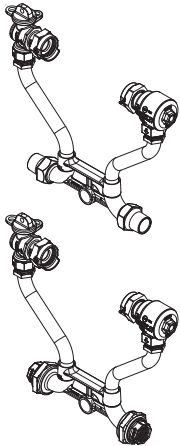
♦ Quick Joint is available. Insert "-Q" into the catalog number.

• 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. \$ 18.93

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

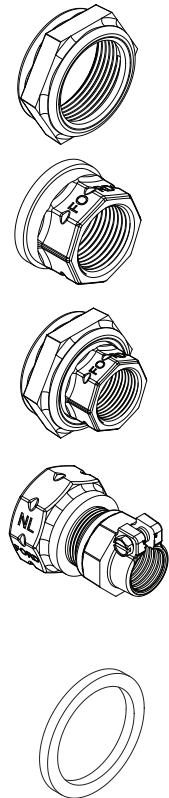
▶ Ultra-Tite is available. Contact factory for pricing and availability.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

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	\$ 91.81
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	58.06
• 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	128.36
FF-44-NL	1" Female Iron Pipe Union Swivel	1" Female Iron Pipe Union Swivel	118.85
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**F**

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)	1.2	\$ 43.89
☒ CSUN-3	Union Nut only	0.2	9.06
CSS8-33-NL	3/4" Male Iron Pipe Thread Swivel Only	0.3	11.59
CSS1-33-NL	3/4" Female Iron Pipe Thread Swivel Only	0.2	11.59
○ CSSS-33-CR-NL	3/4" Solder Swivel Only	0.2	11.59
CSS4-33-NL	3/4" CTS Pack Joint Swivel Only (w/ P.J. nut)	0.6	32.28
CSS8-34-NL	1" Male Iron Pipe Thread Swivel Only	0.4	18.61
○ 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	20.65
CSSUN1-34-NL	1" Female Iron Pipe Thread Swivel and Union Nut Assembly	0.9	39.70
CSSUN4-33-NL	3/4" CTS Pack Joint Swivel and Union Nut Assembly (w/ P.J. nut)	0.9	43.89
CSSUN4-33-Q-NL	3/4" CTS Quick Joint Swivel and Union Nut Assembly	1.2	43.89
CSSUN4-34-NL	1" CTS Pack Joint Swivel and Union Nut Assembly	1.3	69.69
CSSUN4-34-Q-NL	1" CTS Quick Joint Swivel and Union Nut Assembly (w/ Q.J. nut)	1.4	69.69
CSA4-33-Q-NL	3/4" CTS Quick Joint Adapter for 3/4" Double Purpose Nose (w/ Q.J. nut)	0.9	46.92
CSA4-33-U-NL	3/4" Female Double Purpose x 3/4" CTS Ultra-Tite	0.7	46.92
CSA4-44-U-NL	1" Female Double Purpose x 1" CTS Ultra-Tite	1.1	78.54
CSA6-33-U-NL	3/4" Female Double Purpose x 3/4" PEP Ultra-Tite	0.7	71.39
CSA6-44-U-NL	1" Female Double Purpose x 1" PEP Ultra-Tite	1.2	80.00
CSA7-33-NL	3/4" PVC Pack Joint Adapter for PVC/IPS PE for 3/4" Double Purpose Nose	1.0	71.39
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	163.98
GT-205	3/4" Composition Gasket for Double Purpose Connection	-	2.54
GT-206	1" Composition Gasket for Double Purpose Connection	-	3.41

Pack Joint nuts and parts are listed in Section J.

- These connections are not available on 73 series coppersetters (with 15/16" O.D. copper tubing). These coppersetters will have 13/16" O.D. tubing with 3/4" meter spacing.

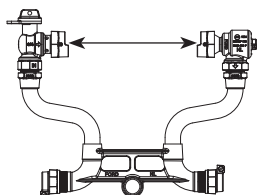
Order as a 73 series, but add this price to the 72 series equivalent \$ 18.93

- **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		LIST PRICE
	INLET VALVE	OUTLET VALVE	
74	None	None	-
V74	Key	None	\$ 114.20
VB74	Ball	None	181.62
VBB74	Ball	Ball	363.21
VV74	Key	Key	228.27
VVG74*	Key	Compression	266.34
VH74	Key	Single Check	212.88
VHH74	Key	Cascading Dual Check ▼	270.97
VHC74**	Key	Cartridge Dual Check ●	401.24
VBG74*	Ball	Compression	333.76
VBH74	Ball	Single Check	280.35
VBHH74	Ball	Cascading Dual Check ▼	338.46
VBHC74**	Ball	Cartridge Dual Check ●	468.73

▼ 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.

- Dual check valves with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code. Example: VHC**CR**74-15W-44-33-NL.

Add to price for cartridge style \$ 49.47

Add to price for cascading style \$ 19.04

* 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

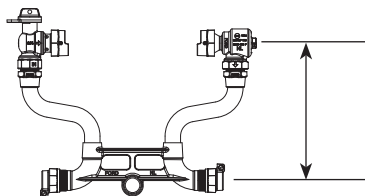
Seal wire hole in inlet valve, add to price \$ 1.79

Seal wire hole in check valve cap, add to price. \$ 3.59

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

Note: For Secura-Lok™ options, see page F-49.

APPROXIMATE HEIGHT - (SECOND PART OF CATALOG NUMBER)



CATALOG NUMBER	COPPERSETTER HEIGHT (IN.)	ADD TO PRICE
10W	10	\$ 169.60
12W	12	179.26
15W	15	191.03
18W	18	260.69
21W	21	285.95
24W	24	293.64
27W	27	324.08
30W	30	345.12
33W	33	364.48
36W	36	383.26
39W	39	399.48
42W	42	415.64

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.

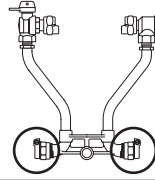
FOR EACH ADDITIONAL 3" IN HEIGHT, ADD TO PRICE:

For 1" 70 series coppersetters \$ 12.68

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)*	\$ 161.62
▶ 66-44-NL	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	\$ 200.63
▶ 77-44-NL	1" P.J. for PVC/IPS PE Pipe	1" P.J. for PVC/IPS PE 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/IPS PE Pipe	
▶ 74-44-NL	1" P.J. for PVC/IPS PE Pipe	1" P.J. for Copper or Plastic Tubing (CTS)*	
▶ 67-44-NL	1" P.J. for PE Pipe*	1" P.J. for PVC/IPS PE Pipe	
▶ 76-44-NL	1" P.J. for PVC/IPS PE 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)*	\$ 187.78
▶♦ 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/IPS PE Pipe	
71-44-NL	1" P.J. for PVC/IPS PE 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	\$ 165.27
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	179.58
MM-44-NL	1" Integral Male Iron Pipe	1" Integral Male Iron Pipe	118.20
MM-66-NL	1-1/2" Integral Male Iron Pipe	1-1/2" Integral Male Iron Pipe	206.44
88-55-NL	1-1/4" Male Iron Pipe Union Swivel	1-1/4" Male Iron Pipe Union Swivel	179.58

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	1.1	\$ 78.54
CSA6-44-U-NL	1" Ultra-Tite Pack Joint (PEP) for 1" Double Purpose	1.2	80.00
CSA7-44-NL	1" Pack Joint PVC/IPS PE Adapter for Double Purpose Nose	1.8	80.00
CSS8-44-NL	1" Male Iron Pipe Thread Swivel Only	0.5	18.61
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	33.22
CSSUN1-44-NL	1" Female Iron Pipe Thread Swivel and Union Nut Assembly	0.7	33.12
☒ CSUN-4	Union Nut Only	0.4	14.54

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.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

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

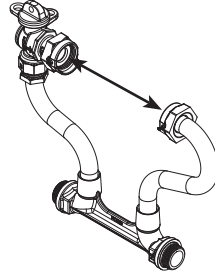
No-Lead Alloy

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

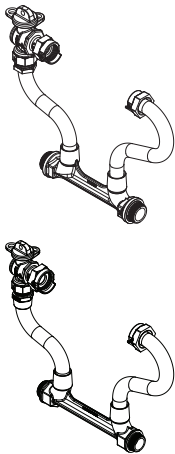
The description for the above catalog number reads: A 270 series coppersetter for 5/8" x 3/4" meter with an
angle inverted key meter inlet valve that is 12" high.

- 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		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	\$ 74.49
VB271	VB272	VB273	Ball	None	90.49
VBB271***	VBB272***	VBB273	Ball	Ball	180.96
VV271	VV272	VV273	Key	Key	148.90
VVG271*	VVG272*	VVG273*	Key	Compression	169.67
VH271	VH272	VH273	Key	Single Check	156.61
VHH271	VHH272	VHH273	Key	• Cascading Dual Check	225.33
VHC271**	VHC272**	VHC273**	Key	• Cartridge Dual Check	240.01
VBG271*	VBG272*	VBG273*	Ball	Compression	185.61
VBH271	VBH272	VBH273	Ball	Single Check	172.66
VBHH271	VBHH272	VBHH273	Ball	• Cascading Dual Check	241.36
VBHC271**	VBHC272**	VBHC273**	Ball	• Cartridge Dual Check	255.90

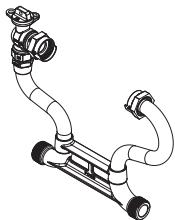
* Compression valve does not have padlock wing.

** 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.

- Dual check valves with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code. Example: VHCCR273-15W-NL. Add to price for cartridge style. \$ 49.47
Add to price for cascading style \$ 19.04

274 SERIES COPPERSETTERS FOR 1" METERS



CATALOG NUMBER (METER SIZE AND VALVE TYPE) FOR 1"	DESCRIPTION		LIST PRICE
	INLET VALVE	OUTLET VALVE	
274	None	None	-
V274	Key	None	\$ 114.20
VB274	Ball	None	181.62
VBB274	Ball	Ball	363.21
VV274	Key	Key	228.27
VVG274*	Key	Compression	266.34
VH274	Key	Single Check	212.88
VHH274	Key	•▼ Cascading Dual Check	270.97
VHC274**	Key	• Cartridge Dual Check	401.24
VBH274	Ball	Single Check	280.35
VBG274*	Ball	Compression	333.76
VBHH274	Ball	•▼ Cascading Dual Check	338.46
VBHC274**	Ball	• Cartridge Dual Check	468.73

▼ 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" settors 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.

- Dual check valves with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code. Example: VHCCR274-15W-NL. Add to price for cartridge style. \$ 49.47
Add to price for cascading style \$ 19.04

* Compression valve does not have a padlock wing.

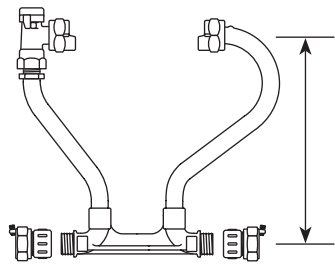
** 12" minimum height for 274 series coppersettors with cartridge dual check valve.

Note: For Secura-Lok™ options, see page F-49.

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 \$ 1.79
- Seal wire hole in check valve cap, add to price. \$ 3.59

APPROXIMATE HEIGHT - (SECOND PART OF CATALOG NUMBER)



271 SERIES FOR 5/8" METER

CATALOG NUMBER	COPPERSETTER HEIGHT (IN.)	ADD TO PRICE
7W-NL	7	\$ 126.74
9W-NL	9	129.41
12W-NL	12	137.19
15W-NL	15	146.67
18W-NL	18	179.00
21W-NL	21	188.08
24W-NL	24	197.96

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

CATALOG NUMBER	COPPERSETTER HEIGHT (IN.)	ADD TO PRICE
7W-NL	7	\$ 131.53
9W-NL	9	134.29
12W-NL	12	141.83
15W-NL	15	151.33
18W-NL	18	184.00
21W-NL	21	193.17
24W-NL	24	203.03

273 SERIES FOR 3/4" METER

CATALOG NUMBER	COPPERSETTER HEIGHT (IN.)	ADD TO PRICE
8W-NL	8	\$ 174.40
12W-NL	12	182.27
15W-NL	15	192.91
18W-NL	18	240.42
21W-NL	21	256.14
24W-NL	24	267.66

274 SERIES FOR 1" METER

CATALOG NUMBER	COPPERSETTER HEIGHT (IN.)	ADD TO PRICE
10W-NL	10	\$ 278.93
12W-NL	12	288.65
15W-NL	15	300.46
18W-NL	18	370.05
21W-NL	21	395.40
24W-NL	24	413.95

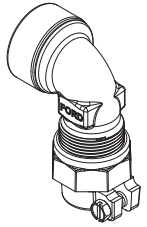
HEIGHT OPTIONS FOR 5/8", 5/8" X 3/4", 3/4" AND 1" 270 SERIES COPPERSETTERS

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:

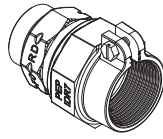
For 5/8" (V271) coppersetters	\$ 7.89
For 5/8" x 3/4" (V272) coppersetters	\$ 7.89
For 3/4" (V273) coppersetters	\$ 10.88
For 1" (V274) coppersetters	\$ 12.68

INLET AND OUTLET SERVICE LINE CONNECTIONS

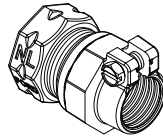
PACK JOINT ASSEMBLIES FOR 270 SERIES COPPERSETTERS



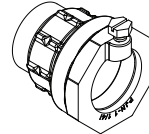
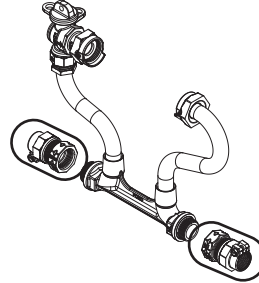
PJA4-13-NL



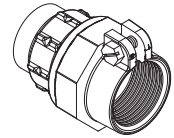
PJA4-13-NL



PJA4-13-NL



PJA5-15-NL



PJA7-15-NL

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)*	0.5	25	\$ 31.63 ea.
♦ PJA4-13-NL	3/4" Copper or Plastic Tube	3/4" Pack Joint for Copper or Plastic Tubing (CTS)*	0.5	25	28.72 ea.
PJA4-14-NL	1" Copper or Plastic Tube	1" Pack Joint for Copper or Plastic Tubing (CTS)*	0.8	20	36.06 ea.
♦ PJA4-15-PJA6-14-NL	1-1/4" Copper or Plastic Tube	1-1/4" Pack Joint for Copper or Plastic Tubing (CTS)*	1.1	10	65.64 ea.
** PJA4-16-AWT-NL	1-1/2" Copper or Plastic Tube	1-1/2" Pack Joint for Copper or Plastic Tubing (CTS)*	2.3	-	141.71 ea.
PJA5-11-NL	1/2" Iron Pipe	1/2" Pack Joint for Iron Pipe	0.5	30	26.70 ea.
PJA5-13-NL	3/4" Iron Pipe	3/4" Pack Joint for Iron Pipe	0.5	25	28.72 ea.
PJA5-14-NL	1" Iron Pipe	1" Pack Joint for Iron Pipe	0.8	10	49.94 ea.
PJA5-15-NL	1-1/4" Iron Pipe	1-1/4" Pack Joint for Iron Pipe	1.4	-	105.43 ea.
** PJA5-16-AWT-NL	1-1/2" Iron Pipe	1-1/2" Pack Joint for Iron Pipe	2.3	-	147.43 ea.
PJA6-13-NL	3/4" Polyethylene Pipe	3/4" Pack Joint for P.E. Pipe*	0.6	20	38.20 ea.
♦ PJA4-15-PJA6-14-NL	1" Polyethylene Pipe	1" Pack Joint for P.E. Pipe*	1.1	10	65.64 ea.
** PJA6-15-AWT-NL	1-1/4" Polyethylene Pipe	1-1/4" Pack Joint for P.E. Pipe	2.0	-	119.10 ea.
** PJA6-16-IDR7-AWT-NL	1-1/2" Polyethylene Pipe	1-1/2" Pack Joint for P.E. Pipe	3.2	-	164.79 ea.
PJA7-11-NL	1/2" PVC/IPS PE Pipe	1/2" Pack Joint for PVC/IPS PE Pipe	0.6	-	30.70 ea.
PJA7-13-NL	3/4" PVC/IPS PE Pipe	3/4" Pack Joint for PVC/IPS PE Pipe	0.7	22	36.72 ea.
PJA7-14-NL	1" PVC/IPS PE Pipe	1" Pack Joint for PVC/IPS PE Pipe	1.2	10	68.48 ea.
PJA7-15-NL	1-1/4" PVC/IPS PE Pipe	1-1/4" Pack Joint for PVC/IPS PE Pipe	1.7	8	124.21 ea.
** PJA7-16-AWT-NL	1-1/2" PVC/IPS PE Pipe	1-1/2" Pack Joint for PVC/IPS PE Pipe	2.3	-	174.04 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.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

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)*	0.9	-	\$ 66.92 ea.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

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

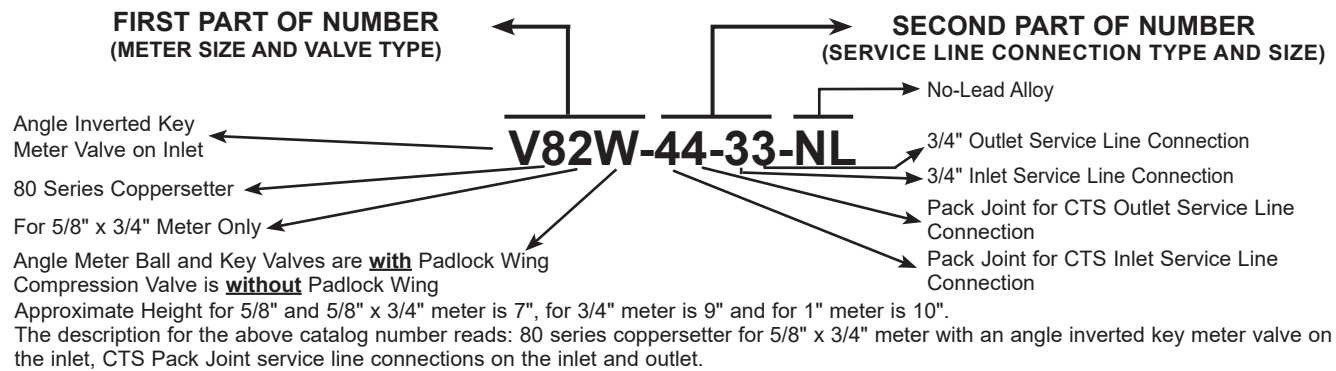
CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
	SIZE AND TYPE OF EXISTING PIPE	P.J. ASSEMBLY REQUIRED			
♦ PJA4-44-C14-54-NL	1" Copper or Plastic Tube	1" Pack Joint for Copper or Plastic Tubing (CTS)*	0.9	12	\$ 54.87 ea.
♦ PJA4-45-C14-55-NL	1-1/4" Copper or Plastic Tube	1-1/4" Pack Joint for Copper or Plastic Tubing (CTS)*	1.3	10	93.47 ea.
PJA4-46-C14-56-NL	1-1/2" Copper or Plastic Tube	1-1/2" Pack Joint for Copper or Plastic Tubing (CTS)*	1.8	10	116.90 ea.
PJA5-44-C15-54-NL	1" Iron Pipe	1" Pack Joint for Iron Pipe	1.1	10	62.76 ea.
PJA5-45-C15-55-NL	1 1/4" Iron Pipe	1-1/4" Pack Joint for Iron Pipe	1.4	8	77.08 ea.
PJA5-46-C15-56-NL	1 1/2" Iron Pipe	1-1/2" Pack Joint for Iron Pipe	1.8	6	109.33 ea.
PJA6-44-C16-54-NL	1" Polyethylene Pipe	1" Pack Joint for P.E. Pipe *	1.3	10	73.12 ea.
PJA6-45-C16-55-NL	1-1/4" Polyethylene Pipe	1-1/4" Pack Joint for P.E. Pipe	1.5	8	85.67 ea.
PJA6-46-C16-56-IDR7-NL	1-1/2" Polyethylene Pipe	1-1/2" Pack Joint for P.E. Pipe	2.8	-	126.66 ea.
PJA7-44-C17-54-NL	1" PVC Pipe	1" Pack Joint for PVC Pipe	1.3	10	62.76 ea.
PJA7-45-C17-55-NL	1-1/4" PVC Pipe	1-1/4" Pack Joint for PVC Pipe	1.7	8	88.81 ea.
PJA7-46-C17-56-NL	1-1/2" PVC Pipe	1-1/2" Pack Joint for PVC Pipe	2.3	4	135.86 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

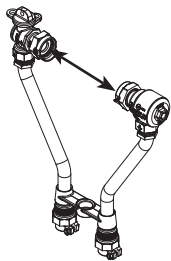
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

F

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:

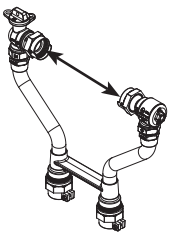
1. Meter size and valve type. page 14
2. Service line connections. page 15

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**

Brace eye available on select 81 & 82 series setters. See page F-15 for availability

CATALOG NUMBER (METER SIZE AND TYPE)			DESCRIPTION		LIST PRICE
5/8"	5/8" x 3/4"	3/4"	INLET VALVE	OUTLET VALVE	
V81W	V82W	V83W	Key	None	\$ 74.49
VB81W	VB82W	VB83W	Ball	None	90.49
VBB81W***	VBB82W***	VBB83W	Ball	Ball	180.96
VVG81W*	VVG82W*	VVG83W*	Key	Compression	169.67
VV81W	VV82W	VV83W	Key	Key	148.90
VH81W	VH82W	VH83W	Key	Single Check	156.61
VHH81W	VHH82W	VHH83W	Key	• Cascading Dual Check	225.33
VHC81W**	VHC82W**	VHC83W**	Key	• Cartridge Dual Check	240.01
VBG81W*	VBG82W*	VBG83W*	Ball	Compression	185.61
VBH81W	VBH82W	VBH83W	Ball	Single Check	172.66
VBHH81W	VBHH82W	VBHH83W	Ball	• Cascading Dual Check	241.36
VBHC81W**	VBHC82W**	VBHC83W**	Ball	• Cartridge Dual Check	255.90

- Dual check valves with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code. Example: VBHCCR83W-15W-44-33-NL. Add to price for cartridge style \$ 39.02
Add to price for cascading style \$ 19.04

84 SERIES COPPERSETTERS FOR 1" METERS

CATALOG NUMBER (METER SIZE AND VALVE TYPE) FOR 1"		DESCRIPTION		LIST PRICE
		INLET VALVE	OUTLET VALVE	
V84W		Key	None	\$ 114.20
VB84W		Ball	None	181.62
VBB84W		Ball	Ball	363.21
VVG84W*		Key	Compression	266.34
VV84W		Key	Key	228.27
VH84W		Key	Single Check	212.88
VHH84W		Key	• ▼ Cascading Dual Check	270.97
VHC84W**		Key	• Cartridge Dual Check	401.24
VBG84W*		Ball	Compression	333.76
VBH84W		Ball	Single Check	280.35
VBHH84W		Ball	• ▼ Cascading Dual Check	338.46
VBHC84W**		Ball	• Cartridge Dual Check	468.73

* 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.

- Dual check valves with enhanced chlorine/chloramine resistance are available. Add "CR" to end of alpha code. Example: VBHCCR84W-15W-44-33-NL. Add to price for cartridge style \$ 49.47
Add to price for cascading style \$ 19.04

▼ 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.

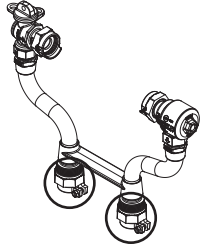
Note: For Secura-Lok™ options, see page F-49.

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 \$ 1.79
- Seal wire hole in check valve cap, add to price \$ 3.59

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	\$ 152.88
12-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Flare Copper	141.53
21-33-NL	3/4" Flare Copper	3/4" Double Purpose Union Swivel Δ	141.53
▶ 14-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for Copper or Plastic Tubing (CTS)*	142.59
▶ 41-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel	142.59
‡ 22-33-NL	3/4" Flare Copper	3/4" Flare Copper	130.41
▶♦ 44-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	132.31
▶• 46-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for PE Pipe*	143.77
▶• 64-33-NL	3/4" P.J. for PE Pipe*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	143.77
▶ 66-33-NL	3/4" P.J. for PE Pipe*	3/4" P.J. for PE Pipe*	146.90
• 77-33-NL	3/4" P.J. for PVC/IPS PE Pipe	3/4" P.J. PVC/IPS PE Pipe	146.90
18-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Male Iron Pipe Union Swivel	157.73
81-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel Δ	157.73
88-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Male Iron Pipe Union Swivel Δ	162.55
‡ FF-33-NL	3/4" Integral Female Iron Pipe	3/4" Integral Female Iron Pipe	130.41
44-34-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	143.77
44-43-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	143.77
11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	169.11
22-44-NL	1" Flare Copper	1" Flare Copper	154.57
▶ 44-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	164.33

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

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	\$ 189.94
22-33-NL	3/4" Flare Copper	3/4" Flare Copper	167.83
88-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Male Iron Pipe Union Swivel	194.34
18-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Male Iron Pipe Union Swivel	194.98
81-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" Double Purpose Union Swivel Δ	194.98
▶♦ 44-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	198.97
▶ 66-33-NL	3/4" P.J. for PE Pipe*	3/4" P.J. for PE Pipe*	204.81
11-44-NL	1" Double Purpose Union Swivel Δ	1" Double Purpose Union Swivel Δ	217.64
22-44-NL	1" Flare Copper	1" Flare Copper	193.42
▶ 44-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	203.13

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

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	\$ 278.61
12-44-NL	1" Flare Copper	1" Double Purpose Union Swivel Δ	271.84
21-44-NL	1" Flare Copper	1" Double Purpose Union Swivel Δ	271.84
22-44-NL	1" Flare Copper	1" Flare Copper	258.90
▶♦ 44-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	248.25
▶ 66-44-NL	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	287.85
11-55-NL	1-1/4" Female Iron Pipe Union Swivel Δ	1-1/4" Female Iron Pipe Union Swivel Δ	353.21
22-55-NL	1-1/4" Flare Copper	1-1/4" Flare Copper	287.04
▶ 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)*	434.87

* **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 \$ 18.93

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. (Not available with Quick Joint or Ultra-Tite.)

▶ 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 and IPS PE DR9 and DR11 only.

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper 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)

V72-82W-11-33-NL

Angle Inverted Key
Meter Valve on Inlet

70-80 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

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 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.

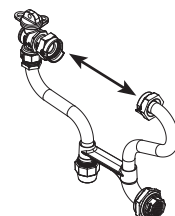
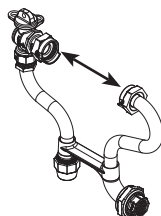
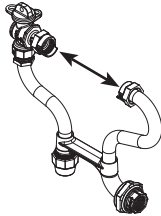
TO ORDER: Select one catalog number component from each of two charts on pages 16 and 17 to complete the coppersetter catalog number.

Selection order of components:

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

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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		LIST PRICE
5/8"	5/8" x 3/4"	3/4"	INLET VALVE	OUTLET VALVE	
V71-81W	V72-82W	V73-83W	Key	None	\$ 74.49
VB71-81W	VB72-82W	VB73-83W	Ball	None	90.49
VBB71-81W***	VBB72-82W***	VBB73-83W	Ball	Ball	180.96
VVG71-81W*	VVG72-82W*	VVG73-83W*	Key	Compression	169.67
VV71-81W	VV72-82W	VV73-83W	Key	Key	148.90
VH71-81W	VH72-82W	VH73-83W	Key	Single Check	156.61
VHH71-81W	VHH72-82W	VHH73-83W	Key	• Cascading Dual Check	225.33
VHC71-81W**	VHC72-82W**	VHC73-83W**	Key	• Cartridge Dual Check	240.01
VBG71-81W*	VBG72-82W*	VBG73-83W*	Ball	Compression	185.61
VBH71-81W	VBH72-82W	VBH73-83W	Ball	Single Check	172.66
VBHH71-81W	VBHH72-82W	VBHH73-83W	Ball	• Cascading Dual Check	241.36
VBHC71-81W**	VBHC72-82W**	VBHC73-83W**	Ball	• Cartridge Dual Check	255.90

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.

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

Example: VBHCCR73-83W-44-33-NL. Add to price for cartridge style \$ 39.02

Add to price for cascading style \$ 19.04

Note: For Secura-Lok™ options, see page F-49.

METER VALVE OPTIONS FOR 70-80 SERIES COPPERSETTERS

Seal wire hole in inlet valve, add to price \$ 1.79

Seal wire hole in check valve cap, add to price..... \$ 3.59

74-84 SERIES COPPERSETTERS FOR 1" METERS

CATALOG NUMBER (METER SIZE AND VALVE TYPE) FOR 1"	DESCRIPTION		LIST PRICE
	INLET VALVE	OUTLET VALVE	
V74-84W	Key	None	\$ 114.20
VB74-84W	Ball	None	181.62
VBB74-84W	Ball	Ball	363.21
VVG74-84W*	Key	Compression	266.34
VV74-84W	Key	Key	228.27
VH74-84W	Key	Single Check	212.88
VHH74-84W	Key	●▼ Cascading Dual Check	270.97
VHC74-84W**	Key	● Cartridge Dual Check	401.24
VBG74-84W*	Ball	Compression	333.76
VBH74-84W	Ball	Single Check	280.35
VBHH74-84W	Ball	●▼ Cascading Dual Check	338.46
VBHC74-84W**	Ball	● Cartridge Dual Check	468.73

▼ 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.

- Dual check valves with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code. Example: VBHCCR74-84W-44-33-NL. Add to price for cartridge style \$ 49.47
Add to price for cascading style \$ 19.04

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 coppersetters with cartridge dual check valve.

Note: For Secura-Lok™ options, see page F-49.

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	\$ 164.49
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	154.31
12-44-NL	1" Double Purpose Union Swivel Δ	1" Flare Copper	171.63
21-44-NL	1" Flare Copper	1" Double Purpose Union Swivel Δ	171.63
▶ 44-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	149.56
▶ 14-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for Copper or Plastic Tubing (CTS)*	157.27
▶ ♦ 41-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	157.27
▶ 41-43-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	166.23
14-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for Copper or Plastic Tubing (CTS)*	175.15
▶ ♦ 41-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Double Purpose Union Swivel Δ	175.15
• 66-44-NL	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	191.55

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

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	\$ 299.67
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	289.41
28-44-NL	1" Flare Copper	1" Male Iron Pipe Union Swivel	175.15
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)*	267.66
▶ 14-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for Copper or Plastic Tubing (CTS)*	281.91
▶ ♦ 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)*	347.33

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

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

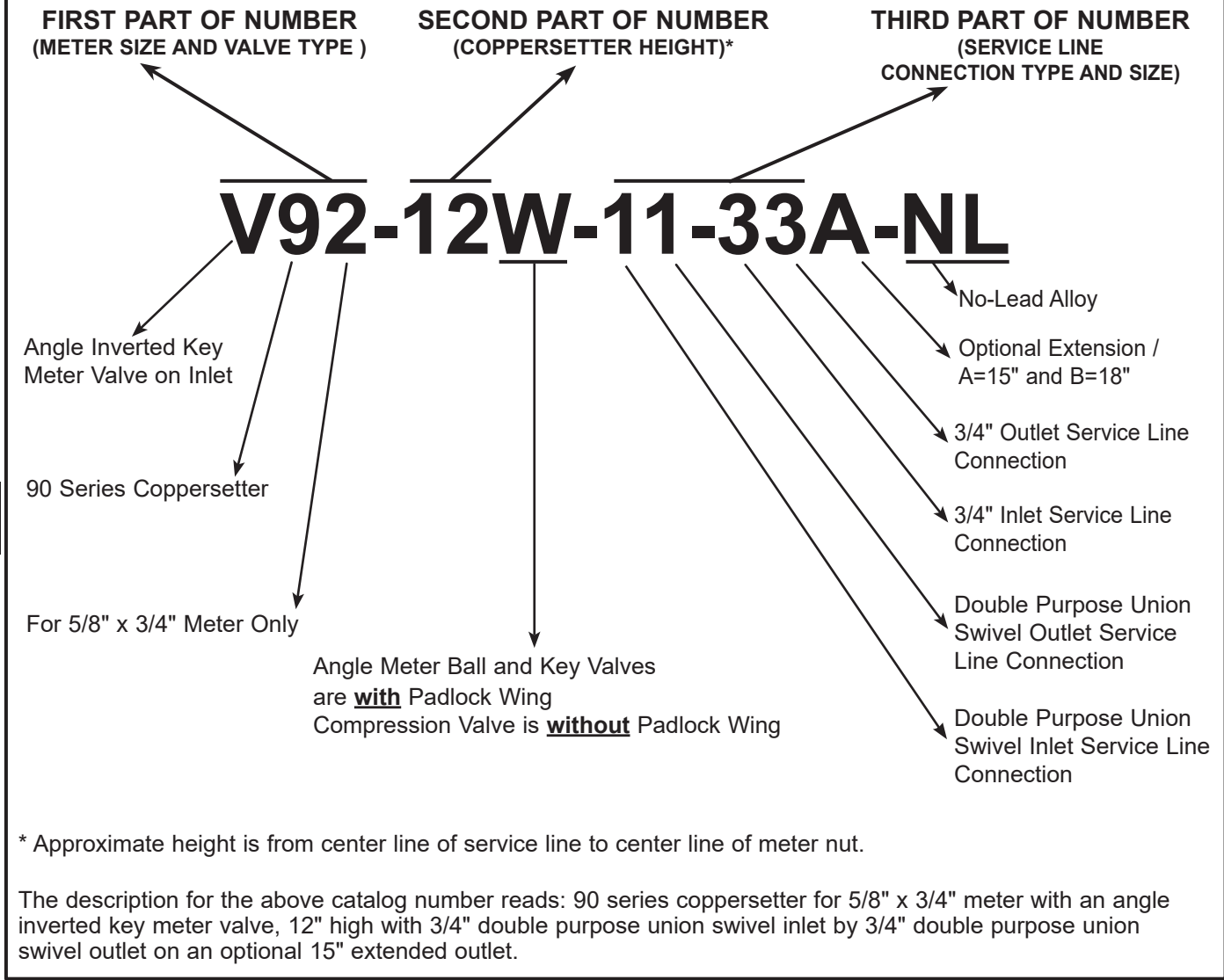
▶ **Ultra-Tite** is available. Contact factory for pricing and availability.

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

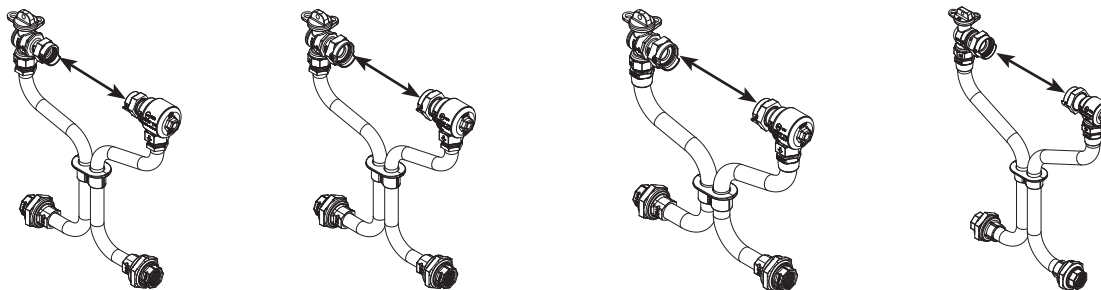
- These connections are not available on 73-83 series coppersetters (with 15/16" O.D. copper tubing). These coppersetters will have 13/16" O.D. tubing with 3/4" meter spacing. Order as a 73-83 series, but add this price to the 72-82 series equivalent \$ 18.93

90 SERIES COPPERSETTERS

Example of Catalog Number for a 90 Series Coppersetter



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		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	\$ 74.49
VB91	VB92	VB93	Ball	None	90.49
VBB91***	VBB92***	VBB93	Ball	Ball	180.96
VVG91*	VVG92*	VVG93*	Key	Compression	169.67
VV91	VV92	VV93	Key	Key	148.90
VH91	VH92	VH93	Key	Single Check	156.61
VHH91	VHH92	VHH93	Key	● Cascading Dual Check	225.33
VHC91**	VHC92**	VHC93**	Key	● Cartridge Dual Check	240.01
VBG91*	VBG92*	VBG93*	Ball	Compression	185.61
VBH91	VBH92	VBH93	Ball	Single Check	172.66
VBHH91	VBHH92	VBHH93	Ball	● Cascading Dual Check	241.36
VBHC91**	VBHC92**	VBHC93**	Ball	● Cartridge Dual Check	255.90

* Compression valve does not have padlock wing.

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

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

Example: VBHC91CR-15W-44-33-NL. Add to price for cartridge style \$ 39.02

Add to price for cascading style \$ 19.04

Note: For Secura-Lok™ options, see page F-49.

94 SERIES COPPERSETTERS FOR 1" METERS

CATALOG NUMBER (VALVE TYPE) FOR 1"	DESCRIPTION		LIST PRICE
	INLET VALVE	OUTLET VALVE	
94	None	None	-
V94	Key	None	\$ 114.20
VB94	Ball	None	181.62
VBB94	Ball	Ball	363.21
VVG94*	Key	Compression	266.34
VV94	Key	Key	228.27
VH94	Key	Single Check	212.88
VHH94	Key	● ▼ Cascading Dual Check	270.97
VHC94**	Key	● Cartridge Dual Check	401.24
VBG94*	Ball	Compression	333.76
VBH94	Ball	Single Check	280.35
VBHH94	Ball	● ▼ Cascading Dual Check	338.46
VBHC94**	Ball	● Cartridge Dual Check	468.73

▼ 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.

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

Example: VBHC94CR-15W-44-33-NL. Add to price for cartridge style \$ 49.47

Add to price for cascading style \$ 19.04

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 copper setters with cartridge dual check valve.

Note: For Secura-Lok™ options, see page F-49.

METER VALVE OPTIONS FOR 90 SERIES COPPERSETTERS

Seal wire hole in inlet valve, add to price \$ 1.79

Seal wire hole in check valve cap, add to price \$ 3.59

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

91 SERIES COPPERSETTER FOR 5/8" METERS

CATALOG NUMBER	COPPERSETTER HEIGHT (IN.)	ADD TO PRICE
9W	9	\$ 154.31
12W	12	154.31
15W	15	160.87
18W	18	193.81
21W	21	206.01
24W	24	215.81

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

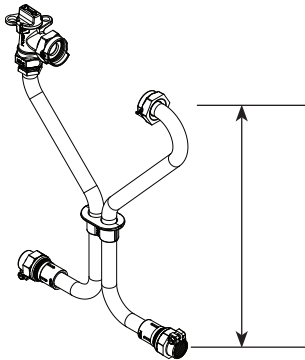
CATALOG NUMBER	COPPERSETTER HEIGHT (IN.)	ADD TO PRICE
9W	9	\$ 160.51
12W	12	160.51
15W	15	167.09
18W	18	199.88
21W	21	211.98
24W	24	221.80

93 SERIES COPPERSETTER FOR 3/4" METERS

CATALOG NUMBER	COPPERSETTER HEIGHT (IN.)	ADD TO PRICE
12W	12	\$ 203.47
15W	15	217.83
18W	18	246.14
21W	21	259.37
24W	24	272.83

94 SERIES COPPERSETTER FOR 1" METERS

CATALOG NUMBER	COPPERSETTER HEIGHT (IN.)	ADD TO PRICE
15W	15	\$ 311.43
18W	18	361.43
21W	21	385.32
24W	24	399.84



HEIGHT OPTIONS FOR 90 SERIES COPPERSETTERS

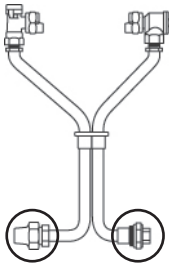
COPPERSETTERS OVER 24" CAN BE ORDERED IN 3" INCREMENTS.
INDICATE THE HEIGHT REQUIRED IN THE SECOND PART OF THE PART NUMBER.
FOR EACH ADDITIONAL 3" IN HEIGHT, ADD TO PRICE:

For 5/8", 91 series coppersetters	\$ 7.89
For 5/8" x 3/4", 92 series coppersetters	\$ 7.89
For 3/4", 93 series coppersetters	\$ 10.88
For 1", 94 series coppersetters	\$ 12.68

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)*	\$ 69.92
▶ 66-33-NL	3/4" P.J. for PE Pipe*	3/4" P.J. for PE Pipe*	80.92
▶ 77-33-NL	3/4" P.J. for PVC/IPS PE Pipe	3/4" P.J. for PVC/IPS PE 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*	3/4" P.J. for Copper or Plastic Tubing (CTS)*	75.48
▶ 47-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" P.J. for PVC/IPS PE Pipe	
▶ 74-33-NL	3/4" P.J. for PVC/IPS PE 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/IPS PE Pipe	104.37
▶ ♦ 44-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for Copper or Plastic Tubing (CTS)*	115.88
▶ ♦ 47-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PVC/IPS PE Pipe	125.20
▶ ♦ 74-44-NL	1" P.J. for PVC/IPS PE 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*	
▶ ♦ 67-44-NL	1" P.J. for PE Pipe*	1" P.J. for PVC/IPS PE Pipe	
▶ ♦ 76-44-NL	1" P.J. for PVC/IPS PE Pipe	1" P.J. for PE Pipe*	
▶ ♦ 77-44-NL	1" P.J. for PVC/IPS PE Pipe	1" P.J. for PVC/IPS PE Pipe	138.77



* 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 \$ 18.93
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

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)*	\$ 73.89
▶♦ 41-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	73.89
▶♦ 48-33-NL	3/4" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Male Iron Pipe Union Swivel	73.89
▶♦ 84-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for Copper or Plastic Tubing (CTS)*	73.89
▶ 16-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for PE Pipe*	79.37
▶ 61-33-NL	3/4" P.J. for PE Pipe*	3/4" Double Purpose Union Swivel Δ	79.37
▶ 68-33-NL	3/4" P.J. for PE Pipe*	3/4" Male Iron Pipe Union Swivel	79.37
▶ 86-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for PE Pipe*	79.37
17-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" P.J. for PVC/IPS PE Pipe	79.37
71-33-NL	3/4" P.J. for PVC/IPS PE Pipe	3/4" Double Purpose Union Swivel Δ	79.37
78-33-NL	3/4" P.J. for PVC/IPS PE Pipe	3/4" Male Iron Pipe Union Swivel	79.37
87-33-NL	3/4" Male Iron Pipe Union Swivel	3/4" P.J. for PVC/IPS PE Pipe	79.37
♦ 41-43-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	3/4" Double Purpose Union Swivel Δ	96.84
▶♦♦ 14-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for Copper or Plastic Tubing (CTS)*	127.73
▶♦♦ 41-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Double Purpose Union Swivel Δ	127.73
▶ 48-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Male Iron Pipe Union Swivel	122.97
▶ 84-44-NL	1" Male Iron Pipe Union Swivel	1" P.J. for Copper or Plastic Tubing (CTS)*	122.97
▶ • 16-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for PE Pipe*	139.19
▶ • 61-44-NL	1" P.J. for PE Pipe*	1" Double Purpose Union Swivel Δ	139.19
▶ • 68-44-NL	1" P.J. for PE Pipe*	1" Male Iron Pipe Union Swivel	134.43
▶ • 86-44-NL	1" Male Iron Pipe Union Swivel	1" P.J. for PE Pipe*	134.43
• 78-44-NL	1" P.J. for PVC/IPS PE Pipe	1" Male Iron Pipe Union Swivel	134.43
• 87-44-NL	1" Male Iron Pipe Union Swivel	1" P.J. for PVC/IPS PE Pipe	134.43
• 71-44-NL	1" P.J. for PVC/IPS PE Pipe	1" Double Purpose Union Swivel Δ	139.19
• 17-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for PVC/IPS PE Pipe	139.19

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

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	\$ 35.54
22-33-NL	3/4" Flare Copper	3/4" Flare Copper	53.23
12-33-NL	3/4" Double Purpose Union Swivel Δ	3/4" Flare Copper	65.48
21-33-NL	3/4" Flare Copper	3/4" Double Purpose Union Swivel Δ	65.48
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	77.82
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	139.60
• 22-44-NL	1" Flare Copper	1" Flare Copper	88.82

NOTE: Ford Pack Joints for PVC are recommended for Schedule 40 and Schedule 80 pipe and IPS PE DR9 and DR11 only.

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

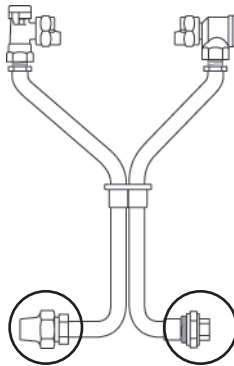
♦ **Quick Joint** is available. Insert "-Q" into the catalog number.

▶ 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 \$ 18.93

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)*	\$ 113.73
▶ 66-44-NL	1" P.J. for PE Pipe*	1" P.J. for PE Pipe*	160.79
77-44-NL	1" P.J. for PVC/IPS PE Pipe	1" P.J. for PVC/IPS PE Pipe	
▶ 46-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" P.J. for PE Pipe*	137.32
▶ 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/IPS PE Pipe	
▶♦ 74-44-NL	1" P.J. for PVC/IPS PE Pipe	1" P.J. for Copper or Plastic Tubing (CTS)*	

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

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)*	\$ 122.10
▶♦ 41-44-NL	1" P.J. for Copper or Plastic Tubing (CTS)*	1" Double Purpose Union Swivel Δ	122.10
▶ 16-44-NL	1" Double Purpose Union Swivel Δ	1" P.J. for PE Pipe*	130.35
▶ 61-44-NL	1" P.J. for PE Pipe*	1" Double Purpose Union Swivel Δ	130.35

Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

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	\$ 62.36
22-44-NL	1" Flare Copper	1" Flare Copper	99.82
12-44-NL	1" Double Purpose Union Swivel Δ	1" Flare Copper	120.57
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	141.42
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.

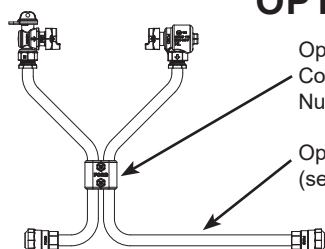
INLET TUBE OPTIONS FOR 90 SERIES COPPERSETTERS

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.	\$ 22.41
18" inlet tube extension	5/8" & 5/8" x 3/4"	Add "S" to Cat. No.	27.09
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.	29.19
18" inlet tube extension	3/4"	Add "S" to Cat. No.	35.25
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.	35.96
18" inlet tube extension	1"	Add "S" to Cat. No.	42.66
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.

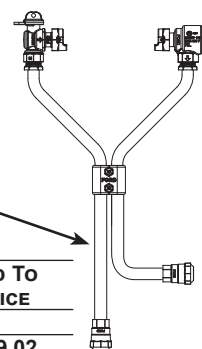
OPTIONS FOR 90 SERIES COPPERSETTERS



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.	\$ 19.02
Bolted Clamp Construction	5/8" and 5/8" x 3/4"	Add "C" to Cat. No.	5.26
15" Outlet Tube Extension	5/8" and 5/8" x 3/4"	Add "A" to Cat. No.	22.41
15" Outlet Tube Extension and Brace Eye	5/8" and 5/8" x 3/4"	Add "H" to Cat. No.	41.44
15" Outlet Tube Extension and Bolted Clamp	5/8" and 5/8" x 3/4"	Add "F" to Cat. No.	27.66
18" Outlet Tube Extension	5/8" and 5/8" x 3/4"	Add "B" to Cat. No.	27.09
18" Outlet Tube Extension and Brace Eye	5/8" and 5/8" x 3/4"	Add "K" to Cat. No.	46.15
18" Outlet Tube Extension and Bolted Clamp	5/8" and 5/8" x 3/4"	Add "J" to Cat. No.	32.38
OPTIONS FOR 3/4" 90 SERIES COPPERSETTERS			
Brace Eye	3/4"	Add "E" to Cat. No.	23.22
Bolted Clamp Construction	3/4"	Add "C" to Cat. No.	5.26
15" Outlet Tube Extension	3/4"	Add "A" to Cat. No.	29.19
15" Outlet Tube Extension and Brace Eye	3/4"	Add "H" to Cat. No.	52.36
15" Outlet Tube Extension and Bolted Clamp	3/4"	Add "F" to Cat. No.	34.48
18" Outlet Tube Extension	3/4"	Add "B" to Cat. No.	35.25
18" Outlet Tube Extension and Brace Eye	3/4"	Add "K" to Cat. No.	58.36
18" Outlet Tube Extension and Bolted Clamp	3/4"	Add "J" to Cat. No.	40.53
OPTIONS FOR 1" 90 SERIES COPPERSETTERS			
Brace eye	1"	Add "E" to Cat. No.	30.84
Bolted Clamp Construction	1"	Add "C" to Cat. No.	5.26
15" Outlet Tube Extension	1"	Add "A" to Cat. No.	35.96
15" Outlet Tube Extension and Brace Eye	1"	Add "H" to Cat. No.	66.80
15" Outlet Tube Extension and Bolted Clamp	1"	Add "F" to Cat. No.	41.25
18" Outlet Tube Extension	1"	Add "B" to Cat. No.	42.66
18" Outlet Tube Extension and Brace Eye	1"	Add "K" to Cat. No.	73.46
18" Outlet Tube Extension and Bolted Clamp	1"	Add "J" to Cat. No.	47.92

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	\$ 19.02
Brace Eye on 3/4" size	BRE-93	23.22
Brace Eye on 1" size	BRE-94	30.84

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.

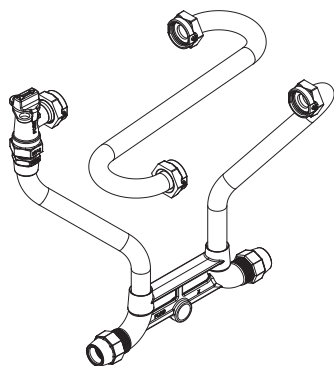
This space-saving unit is designed for installation in a single meter pit, frequently as small as 20" in diameter, however, Ford recommends service lines and valves to be a minimum of 2" from the pit wall to help prevent freezing.

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 W/ ADAPTERS		TANDEM COPPERSETTER HEIGHT	FOR 40, 70, 80 AND 270 SERIES COPPERSETTERS		FOR 30 AND 90 SERIES COPPERSETTERS	
	SIZE	* LENGTH (IN.)		VALVE TYPE	PLAIN TYPE	VALVE TYPE	PLAIN TYPE
5/8"	3/4"	4-3/4"	7", 9" and 12"	\$ 178.22	\$ 212.16	N/A	N/A
5/8"	3/4"	4-3/4"	15"	156.61	153.21	\$ 175.59	\$ 172.26
5/8"	3/4"	4-3/4"	18" and over	161.76	158.39	181.01	177.25
5/8" x 3/4"	3/4"	4-3/8"	7", 9" and 12"	190.44	224.38	214.24	183.62
5/8" x 3/4"	3/4"	4-3/8"	15"	168.81	165.28	187.78	184.25
5/8" x 3/4"	3/4"	4-3/8"	18" and over	174.04	170.43	192.91	189.28
3/4"	3/4"	5-7/8"	12"	233.04	266.85	256.81	226.23
3/4"	3/4"	5-7/8"	15"	211.51	207.94	230.22	226.76
3/4"	3/4"	5-7/8"	18" and over	216.64	212.97	235.45	231.88
1"	1"	5-19/32"	12"	347.66	N/A	N/A	N/A
1"	1"	5-19/32"	15", 18" and 21"	347.66	344.27	373.68	370.35
1"	1"	5-19/32"	24" and over	365.01	361.51	390.84	387.45

* 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)

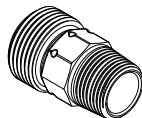
Note: For Secura-Lok™ options, see page F-49.

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 (IN.)	APPROX. WT. LBS.	LIST PRICE
*RA-1-NL	3/4"	5/8"	1-7/8	0.5	\$ 41.29/pr.
*RA-2-NL	3/4"	5/8" x 3/4"	2-1/16	0.7	46.69/pr.
*RA-4-NL	1"	1"	2-1/4	1.2	60.40/pr.

* Sold as pairs



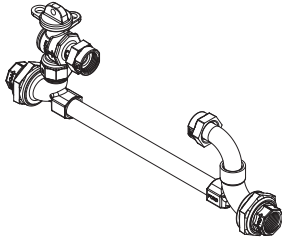
"S" Tube with Meter Swivel Nuts (including gaskets)

CATALOG NUMBER	METER SIZE	APPROX. WT. LBS.	LIST PRICE
ST-1	5/8"	1.3	\$ 91.51
ST-2	5/8" x 3/4"	1.4	97.05
* ST-2-EXP-NL	5/8" x 3/4"	3.2	224.95
ST-3	3/4"	1.8	114.92
ST-4	1"	2.6	175.81

* See page F-49 for more info.

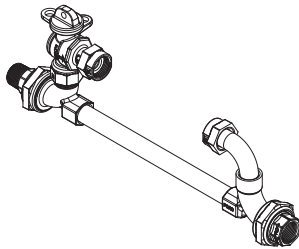
LINESETTERS FOR 5/8" METER

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



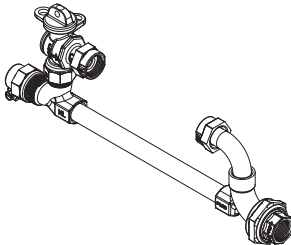
CATALOG NUMBER FOR 5/8" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
LS11-133-NL	None	None	3.4	\$ 141.72
LSV11-133W-NL	Key	None	4.2	230.05
LSVH11-133W-NL	Key	Check	4.9	312.17
• LSVHH11-133W-NL	Key	Cascading Dual Check	5.1	380.94
LSVB11-133W-NL	Ball	None	4.3	245.95
LSVBH11-133W-NL	Ball	Check	5.0	328.10
• LSVBHH11-133W-NL	Ball	Cascading Dual Check	5.2	396.72

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	\$ 141.72
LSV18-133W-NL	Key	None	4.3	230.05
LSVH18-133W-NL	Key	Check	5.1	312.17
• LSVHH18-133W-NL	Key	Cascading Dual Check	5.2	380.94
LSVB18-133W-NL	Ball	None	4.2	245.95
LSVBH18-133W-NL	Ball	Check	5.1	328.10
• LSVBHH18-133W-NL	Ball	Cascading Dual Check	5.3	396.81

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	\$ 230.69
▶♦ LSVH41-133W-NL	Key	Check	4.9	312.78
•▶♦ LSVHH41-133W-NL	Key	Cascading Dual Check	4.8	381.50
▶♦ LSVB41-133W-NL	Ball	None	4.0	244.34
▶♦ LSVBH41-133W-NL	Ball	Check	4.8	326.62
•▶♦ LSVBHH41-133W-NL	Ball	Cascading Dual Check	4.9	395.31

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.

• Dual check valves with enhanced chlorine/chloramine resistance are available. Add "CR" to end of alpha code. Example: LSVHHCR11-133W-NL
Add to price for cascading style **\$ 19.04**

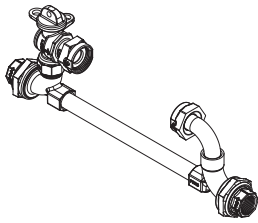
Note: 5/8" x 3/4", 3/4", and 1" setters with angle ball valve will have a reduced port that usually provides suitable water flow. A full port ball valve is available at an additional cost; add "-FP" prior to the "-NL" at the end of catalog number and contact the factory for pricing.

Note: For optional brace eyes, add "1" to the part number and **\$ 12.44** to the price.
Example: LSVHH118-133W-NL

Note: For Secura-Lok™ options, see page F-49.

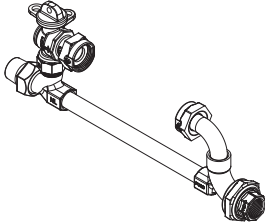
LINESETTERS FOR 5/8" X 3/4" METER

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



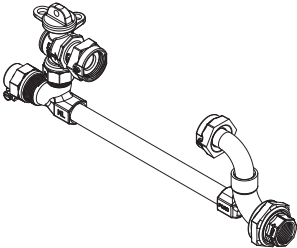
CATALOG NUMBER FOR 5/8" x 3/4" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
LS11-233W-NL	None	None	3.6	\$ 149.16
LSV11-233W-NL	Key	None	4.4	237.30
LSVH11-233W-NL	Key	Check	5.1	319.33
• LSVHH11-233W-NL	Key	Cascading Dual Check	5.3	388.05
LSVB11-233W-NL	Ball	None	4.4	253.18
LSVBH11-233W-NL	Ball	Check	5.2	335.40
• LSVBHH11-233W-NL	Ball	Cascading Dual Check	5.4	404.03

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



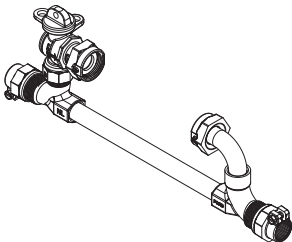
CATALOG NUMBER FOR 5/8" x 3/4" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
LSV21-233W-NL	Key	None	4.1	\$ 229.89
LSVH21-233W-NL	Key	Check	5.5	312.08
• LSVHH21-233W-NL	Key	Cascading Dual Check	5.7	380.81
LSVB21-233W-NL	Ball	None	4.6	245.88
LSVBH21-233W-NL	Ball	Check	5.5	328.04
• LSVBHH21-233W-NL	Ball	Cascading Dual Check	5.7	396.72

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



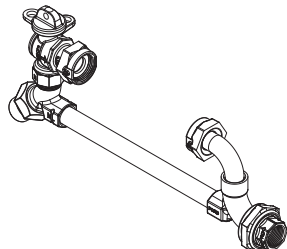
CATALOG NUMBER FOR 5/8" x 3/4" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
▶♦ LSV41-233W-NL	Key	None	4.1	\$ 238.10
▶♦ LSVH41-233W-NL	Key	Check	4.9	320.28
•▶♦ LSVHH41-233W-NL	Key	Cascading Dual Check	5.0	389.02
▶♦ LSVB41-233W-NL	Ball	None	4.2	254.05
▶♦ LSVBH41-233W-NL	Ball	Check	5.0	336.17
•▶♦ LSVBHH41-233W-NL	Ball	Cascading Dual Check	5.1	404.94

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	3.8	\$ 258.81
▶♦ LSVH44-233W-NL	Key	Check	4.6	340.84
•▶♦ LSVHH44-233W-NL	Key	Cascading Dual Check	5.1	409.61
▶♦ LSVB44-233W-NL	Ball	None	3.9	274.60
▶♦ LSVBH44-233W-NL	Ball	Check	4.8	356.83
•▶♦ LSVBHH44-233W-NL	Ball	Cascading Dual Check	4.8	425.51

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	\$ 230.05
LSAVH21-233W-NL	Key	Check	5.7	312.17
• LSAVHH21-233W-NL	Key	Cascading Dual Check	5.9	380.94
LSAVB21-233W-NL	Ball	None	4.9	245.95
LSAVBH21-233W-NL	Ball	Check	5.1	328.10
• LSAVBHH21-233W-NL	Ball	Cascading Dual Check	6.1	396.81

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.

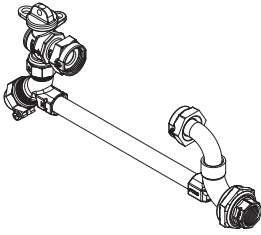
• Dual check valves with enhanced chlorine/chloramine resistance are available. Add "CR" to end of alpha code. Example: LSVHHCR11-233W-NL

Add to price for cascading style. \$ 19.04

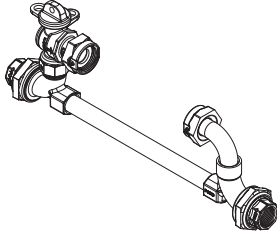
Note: For optional brace eyes, add "1" to the part number and \$ 12.44 to the price.

Example: LSV141-233W-NL

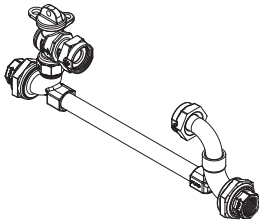
Note: For Secura-Lok™ options, see page F-49.

LINESETTERS FOR 5/8" X 3/4" METER CONTINUED**3/4" ANGLED PACK JOINT FOR CTS INLET X 3/4" DOUBLE PURPOSE OUTLET**

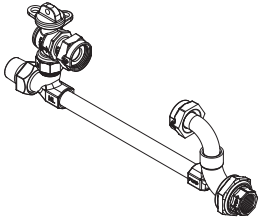
CATALOG NUMBER FOR 5/8"x3/4" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
* LSAV41-233W-NL	Key	None	4.0	\$ 224.90
* LSAVH41-233W-NL	Key	Check	-	307.02
•* LSAVHH41-233W-NL	Key	Cascading Dual Check	5.0	375.78
* LSAVB41-233W-NL	Ball	None	4.1	240.94
* LSAVBH41-233W-NL	Ball	Check	4.9	323.03
•* LSAVBHH41-233W-NL	Ball	Cascading Dual Check	-	391.69

LINESETTERS FOR 3/4" METER**3/4" DOUBLE PURPOSE INLET X 3/4" DOUBLE PURPOSE OUTLET**

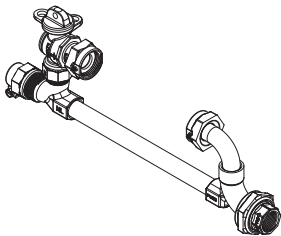
CATALOG NUMBER FOR 3/4" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
■ LSV11-333-NL	None	None	3.7	\$ 180.73
■ LSV11-333W-NL	Key	None	4.4	255.24
■ LSVH11-333W-NL	Key	Check	5.2	337.31
•■ LSVHH11-333W-NL	Key	Cascading Dual Check	5.4	406.05
■ LSVB11-333W-NL	Ball	None	4.5	271.11
■ LSVBH11-333W-NL	Ball	Check	5.3	353.28
•■ LSVBHH11-333W-NL	Ball	Cascading Dual Check	5.6	422.04

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	8.1	\$ 410.58
LSVH11-444W-NL	Key	Check	8.6	509.18
• LSVHH11-444W-NL	Key	Cascading Dual Check ▼	8.8	567.40
LSVB11-444W-NL	Ball	None	8.3	478.05
LSVBH11-444W-NL	Ball	Check	8.8	576.76
• LSVBHH11-444W-NL	Ball	Cascading Dual Check ▼	9.0	634.82

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	7.6	\$ 410.58
LSVH21-444W-NL	Key	Check	-	509.18
• LSVHH21-444W-NL	Key	Cascading Dual Check ▼	-	567.40
LSVB21-444W-NL	Ball	None	7.8	478.05
LSVBH21-444W-NL	Ball	Check	-	576.76
• LSVBHH21-444W-NL	Ball	Cascading Dual Check ▼	8.5	634.82

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	7.4	\$ 421.51
▶♦♦ LSVH41-444W-NL	Key	Check	7.9	520.20
•▶♦♦ LSVHH41-444W-NL	Key	Cascading Dual Check ▼	8.1	582.38
▶♦♦ LSVB41-444W-NL	Ball	None	7.6	489.05
▶♦♦ LSVBH41-444W-NL	Ball	Check	8.1	587.74
•▶♦♦ LSVBHH41-444W-NL	Ball	Cascading Dual Check ▼	8.3	645.90

* 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.

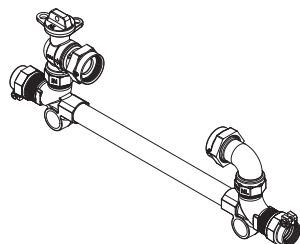
• Dual check valves with enhanced chlorine/chloramine resistance are available. Add "CR" to end of alpha code. Example: LSAVHHCR41-233W-NL
Add to price for cascading style \$ 19.04

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 Secura-Lok™ options, see page F-49.

LINESETTERS FOR 1" METER CONTINUED

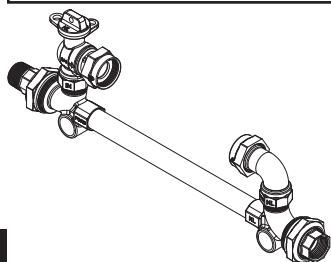
1" PACK JOINT FOR CTS INLET X 1" PACK JOINT FOR CTS OUTLET



CATALOG NUMBER FOR 1" METER	INLET VALVE TYPE	OUTLET VALVE TYPE	APPROX. WT. LBS.	LIST PRICE
▶♦ LSV44-444W-NL	Key	None	6.7	\$ 432.46
▶♦ LSVH44-444W-NL	Key	Check	7.3	530.94
•▶♦ LSVHH44-444W-NL	Key	Dual Check ▼	7.8	589.18
▶♦ LSVB44-444W-NL	Ball	None	7.3	499.87
▶♦ LSVBH44-444W-NL	Ball	Check	7.7	598.53
•▶♦ LSVBHH44-444W-NL	Ball	Dual Check ▼	7.6	656.67

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	8.2	\$ 410.14
LSVH81-444W-NL	Key	Check	8.8	509.18
• LSVHH81-444W-NL	Key	Dual Check ▼	-	567.40
LSVB81-444W-NL	Ball	None	8.4	478.05
LSVBH81-444W-NL	Ball	Check	-	576.76
• LSVBHH81-444W-NL	Ball	Dual Check ▼	9.1	634.82

▼ 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

• Dual check valves with enhanced chlorine/chloramine resistance are available. Add "CR" to end of alpha code. Example: LSVHHCR44-444W-NL
 Add to price for cascading style. \$ 19.04

Note: For Secura-Lok™ options, see page F-49.

ADDITIONAL OPTIONS FOR LINESETTERS

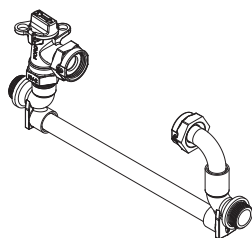
Optional Features

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 \$ 6.97 per end
 1" female swivel instead of 3/4" female swivel on 3/4" double purpose connection. \$ 16.50 per end
 1-1/4" male swivel instead of 1" female swivel on 1" double purpose connection \$ 14.63 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 \$ 1.79
 Seal wire hole in check valve cap, add to price \$ 3.59

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	-	\$ 114.20
LS00-200-NL	5/8" x 3/4"	Optional Pack Joint	Optional Pack Joint	2.7	121.90
LS00-300-NL	3/4"	Optional Pack Joint	Optional Pack Joint	-	140.62
WITH VALVE					
LSV00-100W-NL	5/8"	Optional Pack Joint	Optional Pack Joint	-	205.84
LSV00-200W-NL	5/8" x 3/4"	Optional Pack Joint	Optional Pack Joint	3.7	213.67
LSV00-300W-NL	3/4"	Optional Pack Joint	Optional Pack Joint	-	232.10

**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

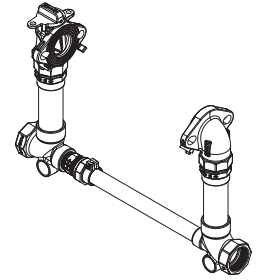
UNLESS OTHERWISE SPECIFIED - STANDARD METER SPACING FOR: 1-1/2" COPPERSETTERS = 13"
2" COPPERSETTERS = 17"

KEY VALVE INLET AND ELL OUTLET

HEIGHT (IN.)	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	19.5	\$ 1564.44	V77-12-11-77-NL	28.8	\$ 1862.32
	CTS*	FIP	V76-12-41-66-NL	22.0	1620.52	V77-12-41-77-NL	28.0	1984.67
	CTS*	CTS*	V76-12-44-66-NL	20.9	1676.78	V77-12-44-77-NL	27.5	2104.10
15	FIP	FIP	V76-15-11-66-NL	20.1	1625.98	V77-15-11-77-NL	26.5	1939.83
	CTS*	FIP	V76-15-41-66-NL	22.7	1682.11	V77-15-41-77-NL	30.7	2062.10
	CTS*	CTS*	V76-15-44-66-NL	23.5	1738.26	V77-15-44-77-NL	28.5	2181.69
18	FIP	FIP	V76-18-11-66-NL	22.6	1679.83	V77-18-11-77-NL	27.4	2017.29
	CTS*	FIP	V76-18-41-66-NL	24.0	1736.09	V77-18-41-77-NL	31.0	2139.56
	CTS*	CTS*	V76-18-44-66-NL	24.1	1792.21	V77-18-44-77-NL	29.5	2259.12
21	FIP	FIP	V76-21-11-66-NL	21.4	1743.17	V77-21-11-77-NL	28.4	2104.10
	CTS*	FIP	V76-21-41-66-NL	24.0	1799.42	V77-21-41-77-NL	32.0	2226.47
	CTS*	CTS*	V76-21-44-66-NL	24.8	1855.50	V77-21-44-77-NL	32.5	2345.94
24	FIP	FIP	V76-24-11-66-NL	22.0	1797.00	V77-24-11-77-NL	29.3	2181.75
	CTS*	FIP	V76-24-41-66-NL	24.0	1853.20	V77-24-41-77-NL	33.0	2303.92
	CTS*	CTS*	V76-24-44-66-NL	24.0	1909.35	V77-24-44-77-NL	31.2	2423.55
27	FIP	FIP	V76-27-11-66-NL	25.0	1850.93	V77-27-11-77-NL	34.0	2259.21
	CTS*	FIP	V76-27-41-66-NL	25.0	1907.17	V77-27-41-77-NL	31.3	2381.46
	CTS*	CTS*	V76-27-44-66-NL	24.1	1963.29	V77-27-44-77-NL	32.1	2500.99

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.



F

BALL VALVE INLET AND ELL OUTLET

HEIGHT (IN.)	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	21.1	\$ 1729.22	VB77-12-11-77-NL	27.5	\$ 1987.88
	CTS*	FIP	VB76-12-41-66-NL	21.8	1785.38	VB77-12-41-77-NL	28.5	2110.27
	CTS*	CTS*	VB76-12-44-66-NL	22.6	1841.58	VB77-12-44-77-NL	29.4	2229.64
15	FIP	FIP	VB76-15-11-66-NL	21.8	1790.81	VB77-15-11-77-NL	28.5	2065.28
	CTS*	FIP	VB76-15-41-66-NL	23.0	1846.94	VB77-15-41-77-NL	29.4	2187.59
	CTS*	CTS*	VB76-15-44-66-NL	23.2	1903.09	VB77-15-44-77-NL	28.5	2307.10
18	FIP	FIP	VB76-18-11-66-NL	22.4	1844.68	VB77-18-11-77-NL	29.4	2142.78
	CTS*	FIP	VB76-18-41-66-NL	24.0	1900.91	VB77-18-41-77-NL	30.3	2265.08
	CTS*	CTS*	VB76-18-44-66-NL	23.9	1956.33	VB77-18-44-77-NL	32.5	2384.54
21	FIP	FIP	VB76-21-11-66-NL	24.2	1907.96	VB77-21-11-77-NL	30.3	2471.18
	CTS*	FIP	VB76-21-41-66-NL	24.0	1964.19	VB77-21-41-77-NL	32.0	2352.05
	CTS*	CTS*	VB76-21-44-66-NL	24.0	2020.38	VB77-21-44-77-NL	32.0	2471.47
24	FIP	FIP	VB76-24-11-66-NL	24.0	1961.87	VB77-24-11-77-NL	31.2	2307.15
	CTS*	FIP	VB76-24-41-66-NL	23.7	2018.12	VB77-24-41-77-NL	33.0	2429.49
	CTS*	CTS*	VB76-24-44-66-NL	25.0	2074.19	VB77-24-44-77-NL	33.2	2549.04
27	FIP	FIP	VB76-27-11-66-NL	25.1	2015.84	VB77-27-11-77-NL	35.0	2384.72
	CTS*	FIP	VB76-27-41-66-NL	24.3	2072.01	VB77-27-41-77-NL	35.0	2506.92
	CTS*	CTS*	VB76-27-44-66-NL	25.8	2128.15	VB77-27-44-77-NL	34.1	2626.45

Note: 1-1/2" and 2" coppersettors 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.

Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VB77-27-44-77-EXP-NL

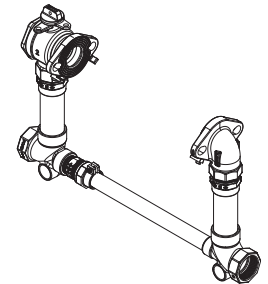
For 1-1/2" settors, add to price \$ 45.44
For 2" settors, add to price \$50.07

OPTIONS: Options for 1-1/2" and 2" coppersettors include couplings for adapting FIP to various types of service line material.
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 OUTLET

HEIGHT (In.)	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	22.6	\$ 1895.16	VV77-12B-11-77-NL	29.9	\$ 2240.46
	CTS*	FIP	VV76-12B-41-66-NL	26.2	1951.34	VV77-12B-41-77-NL	31.8	2362.69
	CTS*	CTS*	VV76-12B-44-66-NL	26.0	2007.46	VV77-12B-44-77-NL	31.9	2482.27
15	FIP	FIP	VV76-15B-11-66-NL	23.2	1956.67	VV77-15B-11-77-NL	30.8	2317.86
	CTS*	FIP	VV76-15B-41-66-NL	24.0	2012.90	VV77-15B-41-77-NL	32.5	2440.27
	CTS*	CTS*	VV76-15B-44-66-NL	24.8	2069.00	VV77-15B-44-77-NL	32.8	2559.73
18	FIP	FIP	VV76-18B-11-66-NL	23.8	2010.67	VV77-18B-11-77-NL	31.7	2395.42
	CTS*	FIP	VV76-18B-41-66-NL	27.2	2066.82	VV77-18B-41-77-NL	33.8	2517.58
	CTS*	CTS*	VV76-18B-44-66-NL	25.5	2122.98	VV77-18B-44-77-NL	33.7	2637.15
21	FIP	FIP	VV76-21B-11-66-NL	26.5	2073.88	VV77-21B-11-77-NL	32.6	2482.27
	CTS*	FIP	VV76-21B-41-66-NL	27.7	2130.15	VV77-21B-41-77-NL	34.5	2604.50
	CTS*	CTS*	VV76-21B-44-66-NL	27.7	2186.17	VV77-21B-44-77-NL	34.7	2723.95
24	FIP	FIP	VV76-24B-11-66-NL	25.1	2127.82	VV77-24B-11-77-NL	33.6	2559.83
	CTS*	FIP	VV76-24B-41-66-NL	28.3	2184.01	VV77-24B-41-77-NL	35.5	2682.10
	CTS*	CTS*	VV76-24B-44-66-NL	28.3	2240.11	VV77-24B-44-77-NL	35.6	2801.57
27	FIP	FIP	VV76-27B-11-66-NL	25.7	2181.75	VV77-27B-11-77-NL	34.5	2637.24
	CTS*	FIP	VV76-27B-41-66-NL	29.0	2237.90	VV77-27B-41-77-NL	36.8	2759.56
	CTS*	CTS*	VV76-27B-44-66-NL	29.0	2294.04	VV77-27B-44-77-NL	36.5	2879.06

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 \$ -170.62 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.

Note: For Secura-Lok™ options, see page F-49.

BALL VALVE INLET AND OUTLET

HEIGHT (In.)	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	25.9	\$ 2224.78	VBB77-12B-11-77-NL	33.8	\$ 2491.39
	CTS*	FIP	VBB76-12B-41-66-NL	27.0	2281.02	VBB77-12B-41-77-NL	35.0	2613.71
	CTS*	CTS*	VBB76-12B-44-66-NL	27.6	2337.11	VBB77-12B-44-77-NL	35.8	2733.20
15	FIP	FIP	VBB76-15B-11-66-NL	26.5	2286.35	VBB77-15B-11-77-NL	34.7	2568.91
	CTS*	FIP	VBB76-15B-41-66-NL	27.8	2342.52	VBB77-15B-41-77-NL	35.7	2691.10
	CTS*	CTS*	VBB76-15B-44-66-NL	28.2	2398.70	VBB77-15B-44-77-NL	36.7	2810.76
18	FIP	FIP	VBB76-18B-11-66-NL	27.2	2340.25	VBB77-18B-11-77-NL	35.6	2646.40
	CTS*	FIP	VBB76-18B-41-66-NL	28.1	2396.55	VBB77-18B-41-77-NL	36.6	2768.59
	CTS*	CTS*	VBB76-18B-44-66-NL	28.9	2452.60	VBB77-18B-44-77-NL	37.6	2888.16
21	FIP	FIP	VBB76-21B-11-66-NL	27.8	2403.64	VBB77-21B-11-77-NL	36.5	2733.20
	CTS*	FIP	VBB76-21B-41-66-NL	28.0	2459.74	VBB77-21B-41-77-NL	38.0	2855.50
	CTS*	CTS*	VBB76-21B-44-66-NL	28.0	2515.97	VBB77-21B-44-77-NL	38.5	2975.00
24	FIP	FIP	VBB76-24B-11-66-NL	28.5	2457.43	VBB77-24B-11-77-NL	37.5	2810.87
	CTS*	FIP	VBB76-24B-41-66-NL	30.0	2513.65	VBB77-24B-41-77-NL	38.5	2933.05
	CTS*	CTS*	VBB76-24B-44-66-NL	30.1	2569.78	VBB77-24B-44-77-NL	39.5	3052.62
27	FIP	FIP	VBB76-27B-11-66-NL	29.1	2511.40	VBB77-27B-11-77-NL	38.4	2888.21
	CTS*	FIP	VBB76-27B-41-66-NL	29.9	2567.64	VBB77-27B-41-77-NL	39.0	3010.58
	CTS*	CTS*	VBB76-27B-44-66-NL	30.7	2623.67	VBB77-27B-44-77-NL	40.4	3130.02

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 \$ -170.62 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.

Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBB77-27B-44-77-EXP-NL

For 1-1/2" settors, add to price \$ 45.44

For 2" settors, add to price \$50.07

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"

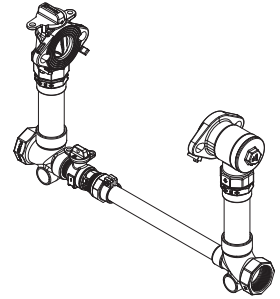
KEY VALVE INLET AND ANGLE CHECK VALVE OUTLET

HEIGHT (IN.)	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	22.3	\$ 1943.25	VH77-12B-11-77-NL	28.8	\$ 2283.49
	CTS*	FIP	VH76-12B-41-66-NL	26.0	1999.45	VH77-12B-41-77-NL	29.8	2405.67
	CTS*	CTS*	VH76-12B-44-66-NL	23.9	2055.51	VH77-12B-44-77-NL	30.8	2525.20
15	FIP	FIP	VH76-15B-11-66-NL	22.9	2004.79	VH77-15B-11-77-NL	29.7	2360.83
	CTS*	FIP	VH76-15B-41-66-NL	26.0	2060.94	VH77-15B-41-77-NL	34.0	2483.20
	CTS*	CTS*	VH76-15B-44-66-NL	27.0	2117.06	VH77-15B-44-77-NL	31.7	2562.60
18	FIP	FIP	VH76-18B-11-66-NL	23.6	2058.70	VH77-18B-11-77-NL	30.7	2438.35
	CTS*	FIP	VH76-18B-41-66-NL	27.0	2114.91	VH77-18B-41-77-NL	34.0	2560.55
	CTS*	CTS*	VH76-18B-44-66-NL	28.0	2170.99	VH77-18B-44-77-NL	32.7	2680.15
21	FIP	FIP	VH76-21B-11-66-NL	24.1	2121.98	VH77-21B-11-77-NL	31.6	2525.20
	CTS*	FIP	VH76-21B-41-66-NL	28.0	2178.19	VH77-21B-41-77-NL	35.0	2647.49
	CTS*	CTS*	VH76-21B-44-66-NL	28.0	2234.35	VH77-21B-44-77-NL	35.0	2767.09
24	FIP	FIP	VH76-24B-11-66-NL	24.8	2175.98	VH77-24B-11-77-NL	32.5	2602.85
	CTS*	FIP	VH76-24B-41-66-NL	28.0	2232.08	VH77-24B-41-77-NL	36.0	2725.07
	CTS*	CTS*	VH76-24B-44-66-NL	28.0	2288.14	VH77-24B-44-77-NL	36.0	2844.63
27	FIP	FIP	VH76-27B-11-66-NL	28.0	2229.78	VH77-27B-11-77-NL	33.5	2680.28
	CTS*	FIP	VH76-27B-41-66-NL	29.0	2286.06	VH77-27B-41-77-NL	37.0	2802.62
	CTS*	CTS*	VH76-27B-44-66-NL	27.0	2342.15	VH77-27B-44-77-NL	35.5	2922.02

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 \$ -170.62 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.

Note: For Secura-Lok™ options, see page F-49.



F

BALL VALVE INLET AND ANGLE CHECK VALVE OUTLET

HEIGHT (IN.)	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	24.0	\$ 2108.15	VBH77-12B-11-77-NL	30.7	\$ 2409.13
	CTS*	FIP	VBH76-12B-41-66-NL	24.8	2164.24	VBH77-12B-41-77-NL	31.8	2531.36
	CTS*	CTS*	VBH76-12B-44-66-NL	25.6	2220.42	VBH77-12B-44-77-NL	32.8	2650.88
15	FIP	FIP	VBH76-15B-11-66-NL	24.6	2169.62	VBH77-15B-11-77-NL	31.7	2486.55
	CTS*	FIP	VBH76-15B-41-66-NL	25.4	2225.74	VBH77-15B-41-77-NL	32.7	2608.91
	CTS*	CTS*	VBH76-15B-44-66-NL	26.3	2281.94	VBH77-15B-44-77-NL	33.7	2728.34
18	FIP	FIP	VBH76-18B-11-66-NL	25.2	2233.08	VBH77-18B-11-77-NL	32.6	2564.06
	CTS*	FIP	VBH76-18B-41-66-NL	29.0	2279.70	VBH77-18B-41-77-NL	33.6	2686.26
	CTS*	CTS*	VBH76-18B-44-66-NL	26.9	2335.76	VBH77-18B-44-77-NL	34.6	2805.80
21	FIP	FIP	VBH76-21B-11-66-NL	25.8	2286.85	VBH77-21B-11-77-NL	33.5	2650.88
	CTS*	FIP	VBH76-21B-41-66-NL	30.0	2343.03	VBH77-21B-41-77-NL	36.0	2773.15
	CTS*	CTS*	VBH76-21B-44-66-NL	27.6	2399.17	VBH77-21B-44-77-NL	35.5	2892.64
24	FIP	FIP	VBH76-24B-11-66-NL	26.5	2340.71	VBH77-24B-11-77-NL	34.5	2728.59
	CTS*	FIP	VBH76-24B-41-66-NL	30.0	2306.22	VBH77-24B-41-77-NL	38.0	2850.66
	CTS*	CTS*	VBH76-24B-44-66-NL	28.1	2453.05	VBH77-24B-44-77-NL	36.5	2970.30
27	FIP	FIP	VBH76-27B-11-66-NL	27.1	2394.67	VBH77-27B-11-77-NL	35.4	2806.01
	CTS*	FIP	VBH76-27B-41-66-NL	31.0	2450.88	VBH77-27B-41-77-NL	39.0	2928.28
	CTS*	CTS*	VBH76-27B-44-66-NL	32.0	2506.92	VBH77-27B-44-77-NL	37.4	3047.73

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 \$ -170.62 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.

Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBH77-27B-44-77-EXP-NL

For 1-1/2" settors, add to price \$ 45.44

For 2" settors, add to price \$ 50.07

OPTIONS: Options for 1-1/2" and 2" coppersettors include couplings for adapting FIP to various types of service line material.

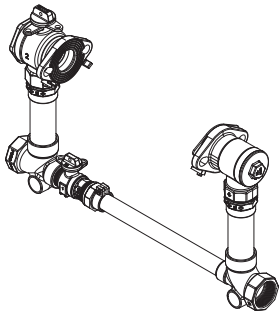
Optional high by-pass for use when standard by-pass is difficult to reach.

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.

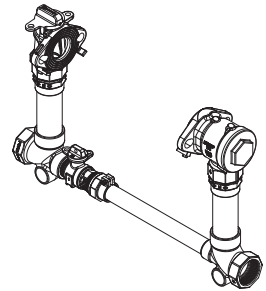


70 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS HORIZONTAL INLET AND OUTLET

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 (IN.)	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	25.5	\$ 2213.29	VHH77-12B-11-77-NL	30.8	\$ 2380.58
	CTS*	FIP	VHH76-12B-41-66-NL	28.0	2269.41	VHH77-12B-41-77-NL	31.8	2502.89
	CTS*	CTS*	VHH76-12B-44-66-NL	27.2	2325.63	VHH77-12B-44-77-NL	32.8	2622.32
15	FIP	FIP	VHH76-15B-11-66-NL	26.2	2274.92	VHH77-15B-11-77-NL	31.7	2458.07
	CTS*	FIP	VHH76-15B-41-66-NL	28.0	2331.01	VHH77-15B-41-77-NL	32.7	2580.29
	CTS*	CTS*	VHH76-15B-44-66-NL	27.8	2387.17	VHH77-15B-44-77-NL	33.7	2699.85
18	FIP	FIP	VHH76-18B-11-66-NL	26.8	2328.76	VHH77-18B-11-77-NL	32.7	2535.40
	CTS*	FIP	VHH76-18B-41-66-NL	28.0	2384.94	VHH77-18B-41-77-NL	36.0	2657.79
	CTS*	CTS*	VHH76-18B-44-66-NL	29.0	2441.04	VHH77-18B-44-77-NL	34.8	2777.33
21	FIP	FIP	VHH76-21B-11-66-NL	27.4	2392.06	VHH77-21B-11-77-NL	33.6	2622.32
	CTS*	FIP	VHH76-21B-41-66-NL	30.0	2448.22	VHH77-21B-41-77-NL	36.0	2744.65
	CTS*	CTS*	VHH76-21B-44-66-NL	30.0	2504.38	VHH77-21B-44-77-NL	36.0	2864.12
24	FIP	FIP	VHH76-24B-11-66-NL	28.1	2445.91	VHH77-24B-11-77-NL	34.5	2700.01
	CTS*	FIP	VHH76-24B-41-66-NL	31.0	2502.10	VHH77-24B-41-77-NL	37.0	2822.17
	CTS*	CTS*	VHH76-24B-44-66-NL	31.0	2558.26	VHH77-24B-44-77-NL	39.0	2941.79
27	FIP	FIP	VHH76-27B-11-66-NL	31.0	2499.88	VHH77-27B-11-77-NL	35.4	2777.46
	CTS*	FIP	VHH76-27B-41-66-NL	31.0	2556.03	VHH77-27B-41-77-NL	38.0	2899.71
	CTS*	CTS*	VHH76-27B-44-66-NL	32.0	2612.20	VHH77-27B-44-77-NL	39.0	3019.24



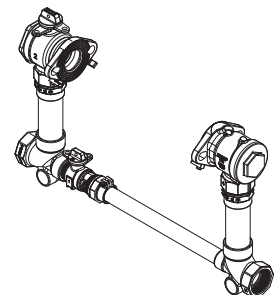
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Note: 1-1/2" and 2" coppersettors with a valve on the outlet are standard with a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -170.62 from the price. Example: VHH76-12-11-66-NL

* **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 (IN.)	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	27.2	\$ 2378.18	VBHH77-12B-11-77-NL	32.7	\$ 2506.31
	CTS*	FIP	VBHH76-12B-41-66-NL	28.1	2434.31	VBHH77-12B-41-77-NL	33.7	2628.56
	CTS*	CTS*	VBHH76-12B-44-66-NL	28.8	2490.39	VBHH77-12B-44-77-NL	34.7	2748.01
15	FIP	FIP	VBHH76-15B-11-66-NL	27.8	2439.72	VBHH77-15B-11-77-NL	33.7	2583.66
	CTS*	FIP	VBHH76-15B-41-66-NL	28.7	2495.85	VBHH77-15B-41-77-NL	34.6	2706.05
	CTS*	CTS*	VBHH76-15B-44-66-NL	29.5	2551.96	VBHH77-15B-44-77-NL	35.7	2825.51
18	FIP	FIP	VBHH76-18B-11-66-NL	28.4	2493.63	VBHH77-18B-11-77-NL	34.6	2661.13
	CTS*	FIP	VBHH76-18B-41-66-NL	29.3	2549.85	VBHH77-18B-41-77-NL	35.6	2783.42
	CTS*	CTS*	VBHH76-18B-44-66-NL	30.1	2605.88	VBHH77-18B-44-77-NL	36.6	2903.03
21	FIP	FIP	VBHH76-21B-11-66-NL	29.1	2556.91	VBHH77-21B-11-77-NL	35.5	2748.01
	CTS*	FIP	VBHH76-21B-41-66-NL	32.0	2613.06	VBHH77-21B-41-77-NL	37.0	2870.34
	CTS*	CTS*	VBHH76-21B-44-66-NL	30.7	2669.18	VBHH77-21B-44-77-NL	37.5	2989.82
24	FIP	FIP	VBHH76-24B-11-66-NL	29.7	2610.75	VBHH77-24B-11-77-NL	36.4	2825.61
	CTS*	FIP	VBHH76-24B-41-66-NL	33.0	2666.90	VBHH77-24B-41-77-NL	37.5	2947.88
	CTS*	CTS*	VBHH76-24B-44-66-NL	31.4	2723.13	VBHH77-24B-44-77-NL	38.5	3067.41
27	FIP	FIP	VBHH76-27B-11-66-NL	30.4	2664.64	VBHH77-27B-11-77-NL	37.4	2903.07
	CTS*	FIP	VBHH76-27B-41-66-NL	33.0	2720.91	VBHH77-27B-41-77-NL	39.0	3025.31
	CTS*	CTS*	VBHH76-27B-44-66-NL	33.0	2776.98	VBHH77-27B-44-77-NL	41.0	3144.87



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 \$ -170.62 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.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBHH77-27B-44-77-EXP-NL

For 1-1/2" settors, add to price \$ 45.44
For 2" settors, add to price \$ 50.07

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

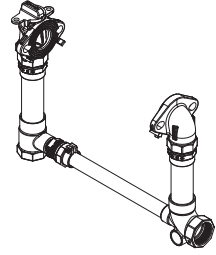
VERTICAL INLET AND HORIZONTAL OUTLET

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

FOR 1-1/2" METER				FOR 2" METER		
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12	V76-86-12-11-66-NL	21.0	\$ 1564.44	V77-87-12-11-77-NL	26.8	\$ 1862.32
15	V76-86-15-11-66-NL	21.6	1625.98	V77-87-15-11-77-NL	28.0	1939.83
18	V76-86-18-11-66-NL	22.0	1679.83	V77-87-18-11-77-NL	28.0	2017.29
21	V76-86-21-11-66-NL	23.0	1743.17	V77-87-21-11-77-NL	29.0	2104.10
24	V76-86-24-11-66-NL	23.0	1797.00	V77-87-24-11-77-NL	30.0	2181.75
27	V76-86-27-11-66-NL	24.0	1850.93	V77-87-27-11-77-NL	30.0	2259.21

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

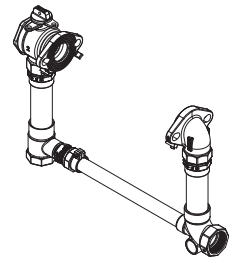
FOR 1-1/2" METER				FOR 2" METER		
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12	VB76-86-12-11-66-NL	20.7	\$ 1729.22	VB77-87-12-11-77-NL	29.0	\$ 1987.88
15	VB76-86-15-11-66-NL	24.0	1790.81	VB77-87-15-11-77-NL	30.0	2065.28
18	VB76-86-18-11-66-NL	25.0	1844.68	VB77-87-18-11-77-NL	30.0	2142.78
21	VB76-86-21-11-66-NL	25.0	1907.96	VB77-87-21-11-77-NL	31.0	2229.64
24	VB76-86-24-11-66-NL	23.2	1961.87	VB77-87-24-11-77-NL	31.0	2307.15
27	VB76-86-27-11-66-NL	26.0	2015.84	VB77-87-27-11-77-NL	32.0	2384.72

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

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VB77-87-27-11-77-EXP-NL

For 1-1/2" settors, add to price \$ 45.44

For 2" settors, add to price \$50.07

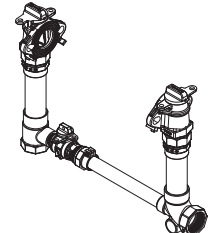


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KEY VALVE INLET AND OUTLET

FOR 1-1/2" METER				FOR 2" METER		
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12	VV76-86-12B-11-66-NL	22.6	\$ 1895.16	VV77-87-12B-11-77-NL	28.6	\$ 2240.46
15	VV76-86-15B-11-66-NL	25.0	1956.67	VV77-87-15B-11-77-NL	29.5	2317.86
18	VV76-86-18B-11-66-NL	26.0	2010.67	VV77-87-18B-11-77-NL	32.0	2395.42
21	VV76-86-21B-11-66-NL	26.0	2073.88	VV77-87-21B-11-77-NL	33.0	2482.27
24	VV76-86-24B-11-66-NL	27.0	2127.82	VV77-87-24B-11-77-NL	33.0	2559.83
27	VV76-86-27B-11-66-NL	28.0	2181.75	VV77-87-27B-11-77-NL	34.0	2637.24

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 \$ -170.62 from the price. Example: VV76-86-15-11-66-NL



BALL VALVE INLET AND OUTLET

FOR 1-1/2" METER				FOR 2" METER		
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12	VBB76-86-12B-11-66-NL	25.8	\$ 2224.78	VBB77-87-12B-11-77-NL	32.5	\$ 2491.39
15	VBB76-86-15B-11-66-NL	26.4	2286.35	VBB77-87-15B-11-77-NL	33.4	2568.91
18	VBB76-86-18B-11-66-NL	27.1	2340.25	VBB77-87-18B-11-77-NL	34.4	2646.40
21	VBB76-86-21B-11-66-NL	28.7	2403.64	VBB77-87-21B-11-77-NL	35.6	2733.20
24	VBB76-86-24B-11-66-NL	29.3	2457.43	VBB77-87-24B-11-77-NL	36.4	2810.87
27	VBB76-86-27B-11-66-NL	31.0	2511.40	VBB77-87-27B-11-77-NL	38.0	2888.21

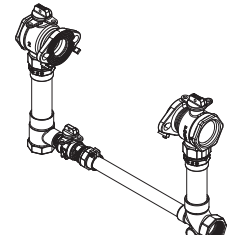
Note: 1-1/2" and 2" coppersettors with a valve on the outlet are standard **with** a by-pass. The by-pass valve can be deleted by omitting the "B" from the middle of the catalog number and deducting \$ -170.62 from the price. Example: VBB76-86-15-11-66-NL

Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBB77-87-27B-11-77-EXP-NL

For 1-1/2" settors, add to price \$ 45.44

For 2" settors, add to price \$ 50.07



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.

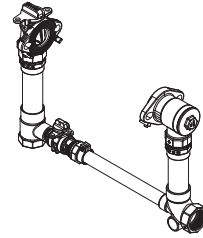
70-80 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS

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

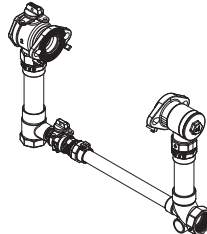
FOR 1-1/2" METER				FOR 2" METER		
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12	VH76-86-12B-11-66-NL	22.3	\$ 1943.25	VH77-87-12B-11-77-NL	27.6	\$ 2283.49
15	VH76-86-15B-11-66-NL	26.0	2004.79	VH77-87-15B-11-77-NL	31.0	2360.83
18	VH76-86-18B-11-66-NL	26.0	2058.70	VH77-87-18B-11-77-NL	32.0	2438.35
21	VH76-86-21B-11-66-NL	27.0	2121.98	VH77-87-21B-11-77-NL	33.0	2525.20
24	VH76-86-24B-11-66-NL	27.0	2175.98	VH77-87-24B-11-77-NL	33.0	2602.85
27	VH76-86-27B-11-66-NL	27.0	2229.78	VH77-87-27B-11-77-NL	33.0	2680.28



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 \$ -170.62 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 (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12	VBH76-86-12B-11-66-NL	23.8	\$ 2108.15	VBH77-87-12B-11-77-NL	29.5	\$ 2409.13
15	VBH76-86-15B-11-66-NL	27.0	2169.62	VBH77-87-15B-11-77-NL	30.4	2486.55
18	VBH76-86-18B-11-66-NL	25.1	2223.61	VBH77-87-18B-11-77-NL	31.4	2564.06
21	VBH76-86-21B-11-66-NL	28.0	2286.85	VBH77-87-21B-11-77-NL	34.0	2650.88
24	VBH76-86-24B-11-66-NL	29.0	2340.71	VBH77-87-24B-11-77-NL	35.0	2728.59
27	VBH76-86-27B-11-66-NL	29.0	2394.67	VBH77-87-27B-11-77-NL	34.2	2806.01



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 \$ -170.62 from the price. Example: VBH76-86-12-11-66-NL

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBH77-87-27B-11-77-EXP-NL

For 1-1/2" setters, add to price \$ 45.44
For 2" setters, add to price \$ 50.07

KEY VALVE INLET AND ANGLE DUAL CHECK VALVE OUTLET

FOR 1-1/2" METER				FOR 2" METER		
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12	VHH76-86-12B-11-66-NL	25.0	\$ 2213.29	VHH77-87-12B-11-77-NL	31.0	\$ 2506.31
15	VHH76-86-15B-11-66-NL	25.0	2274.92	VHH77-87-15B-11-77-NL	31.0	2583.66
18	VHH76-86-18B-11-66-NL	26.0	2328.76	VHH77-87-18B-11-77-NL	31.5	2661.13
21	VHH76-86-21B-11-66-NL	26.0	2392.06	VHH77-87-21B-11-77-NL	32.0	2748.01
24	VHH76-86-24B-11-66-NL	27.0	2445.91	VHH77-87-24B-11-77-NL	33.3	2825.61
27	VHH76-86-27B-11-66-NL	27.0	2499.88	VHH77-87-27B-11-77-NL	33.0	2903.07

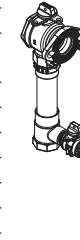


Shown with optional dual check valve in by-pass. See page 37.

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 \$ -170.62 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 (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12	VBHH76-86-12B-11-66-NL	27.2	\$ 2378.18	VBHH77-87-12B-11-77-NL	31.5	\$ 2506.31
15	VBHH76-86-15B-11-66-NL	29.0	2439.72	VBHH77-87-15B-11-77-NL	33.0	2583.66
18	VBHH76-86-18B-11-66-NL	30.0	2493.63	VBHH77-87-18B-11-77-NL	34.0	2661.13
21	VBHH76-86-21B-11-66-NL	30.0	2556.91	VBHH77-87-21B-11-77-NL	34.0	2748.01
24	VBHH76-86-24B-11-66-NL	31.0	2610.75	VBHH77-87-24B-11-77-NL	35.0	2825.61
27	VBHH76-86-27B-11-66-NL	32.0	2664.64	VBHH77-87-27B-11-77-NL	36.0	2903.07



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 \$ -170.62 from the price. Example: VBHH76-86-12-11-66-NL

Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBHH77-87-27B-11-77-EXP-NL

For 1-1/2" setters, add to price \$ 45.44
For 2" setters, add to price \$ 50.07

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.

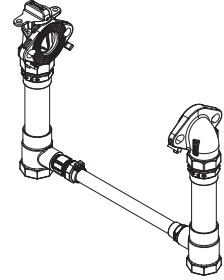
80 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS VERTICAL INLET AND VERTICAL OUTLET

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

FOR 1-1/2" METER				FOR 2" METER		
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12	V86-12-11-66-NL	20.0	\$ 1564.44	V87-12-11-77-NL	24.0	\$ 1862.32
15	V86-15-11-66-NL	21.0	1625.98	V87-15-11-77-NL	25.0	1939.83
18	V86-18-11-66-NL	21.0	1679.83	V87-18-11-77-NL	26.0	2017.29
21	V86-21-11-66-NL	22.0	1743.17	V87-21-11-77-NL	26.0	2104.10
24	V86-24-11-66-NL	22.0	1797.00	V87-24-11-77-NL	27.0	2181.75
27	V86-27-11-66-NL	23.0	1850.93	V87-27-11-77-NL	28.0	2259.21

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

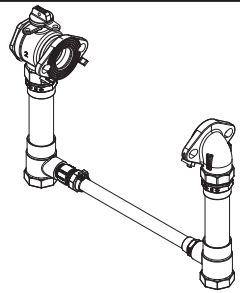
FOR 1-1/2" METER				FOR 2" METER		
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12	VB86-12-11-66-NL	22.0	\$ 1729.22	VB87-12-11-77-NL	24.2	\$ 1987.88
15	VB86-15-11-66-NL	22.0	1790.81	VB87-15-11-77-NL	26.0	2065.28
18	VB86-18-11-66-NL	23.0	1844.68	VB87-18-11-77-NL	27.0	2142.78
21	VB86-21-11-66-NL	24.0	1907.96	VB87-21-11-77-NL	28.0	2229.64
24	VB86-24-11-66-NL	24.0	1961.87	VB87-24-11-77-NL	28.0	2307.15
27	VB86-27-11-66-NL	25.0	2015.84	VB87-27-11-77-NL	29.0	2384.72

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

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VB87-27-11-77-EXP-NL

For 1-1/2" setters, add to price \$ 45.44

For 2" setters, add to price \$ 50.07

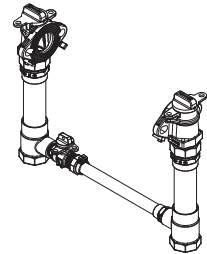


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KEY VALVE INLET AND OUTLET

FOR 1-1/2" METER				FOR 2" METER		
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12	VV86-12B-11-66-NL	21.3	\$ 1895.16	VV87-12B-11-77-NL	26.5	\$ 2240.46
15	VV86-15B-11-66-NL	23.5	1956.67	VV87-15B-11-77-NL	28.0	2317.86
18	VV86-18B-11-66-NL	24.5	2010.67	VV87-18B-11-77-NL	29.0	2395.42
21	VV86-21B-11-66-NL	25.5	2073.88	VV87-21B-11-77-NL	30.0	2482.27
24	VV86-24B-11-66-NL	26.5	2127.82	VV87-24B-11-77-NL	31.0	2559.83
27	VV86-27B-11-66-NL	27.5	2181.75	VV87-27B-11-77-NL	32.0	2637.24

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 \$ -170.62 from the price. Example: VV86-12-11-66-NL



BALL VALVE INLET AND OUTLET

FOR 1-1/2" METER				FOR 2" METER		
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
12	VBB86-12B-11-66-NL	24.6	\$ 2224.78	VBB87-12B-11-77-NL	30.5	\$ 2491.39
15	VBB86-15B-11-66-NL	26.0	2286.35	VBB87-15B-11-77-NL	31.0	2568.91
18	VBB86-18B-11-66-NL	26.0	2340.25	VBB87-18B-11-77-NL	32.0	2646.40
21	VBB86-21B-11-66-NL	27.0	2403.64	VBB87-21B-11-77-NL	33.0	2733.20
24	VBB86-24B-11-66-NL	27.0	2457.43	VBB87-24B-11-77-NL	34.0	2810.87
27	VBB86-27B-11-66-NL	28.0	2511.40	VBB87-27B-11-77-NL	35.0	2888.21

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 \$ -170.62 from the price. Example: VBB86-12-11-66-NL

Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBB87-27B-11-77-EXP-NL

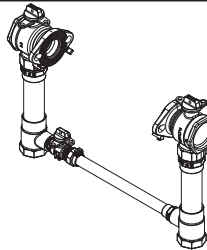
For 1-1/2" setters, add to price \$ 45.44

For 2" setters, add to price \$ 50.07

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.

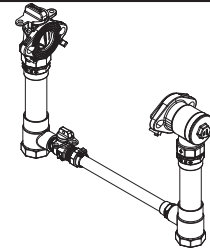
80 SERIES COPPERSETTERS FOR 1-1/2" AND 2" FLANGED METERS

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

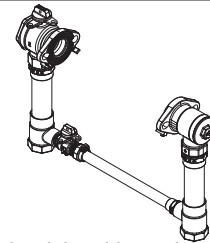
FOR 1-1/2" METER				FOR 2" METER			
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	
12	VH86-12B-11-66-NL	21.0	\$ 1943.25	VH87-12B-11-77-NL	25.3	\$ 2283.49	
15	VH86-15B-11-66-NL	25.0	2004.79	VH87-15B-11-77-NL	29.0	2360.83	
18	VH86-18B-11-66-NL	25.0	2058.70	VH87-18B-11-77-NL	27.3	2438.35	
21	VH86-21B-11-66-NL	26.0	2121.98	VH87-21B-11-77-NL	30.0	2525.20	
24	VH86-24B-11-66-NL	27.0	2175.98	VH87-24B-11-77-NL	31.0	2602.85	
27	VH86-27B-11-66-NL	27.0	2229.78	VH87-27B-11-77-NL	31.0	2680.28	



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 \$ -170.62 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 (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	
12	VBH86-12B-11-66-NL	22.7	\$ 2108.15	VBH87-12B-11-77-NL	27.3	\$ 2409.13	
15	VBH86-15B-11-66-NL	23.3	2169.62	VBH87-15B-11-77-NL	28.2	2486.55	
18	VBH86-18B-11-66-NL	23.9	2223.61	VBH87-18B-11-77-NL	29.2	2564.06	
21	VBH86-21B-11-66-NL	26.0	2286.85	VBH87-21B-11-77-NL	32.0	2650.88	
24	VBH86-24B-11-66-NL	25.2	2340.71	VBH87-24B-11-77-NL	31.1	2728.59	
27	VBH86-27B-11-66-NL	27.0	2394.67	VBH87-27B-11-77-NL	34.0	2806.01	



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 \$ -170.62 from the price. Example: VBH86-12-11-66-NL

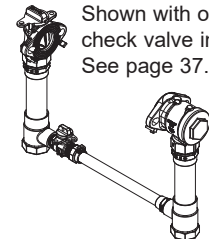
Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBH87-27B-11-77-EXP-NL

For 1-1/2" setters, add to price \$ 45.44

For 2" setters, add to price \$ 50.07

KEY VALVE INLET AND ANGLE DUAL CHECK VALVE OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	
12	VHH86-12B-11-66-NL	24.0	\$ 2213.29	VHH87-12B-11-77-NL	29.0	\$ 2380.58	
15	VHH86-15B-11-66-NL	25.0	2274.92	VHH87-15B-11-77-NL	30.0	2458.07	
18	VHH86-18B-11-66-NL	26.0	2328.76	VHH87-18B-11-77-NL	31.0	2535.40	
21	VHH86-21B-11-66-NL	27.0	2392.06	VHH87-21B-11-77-NL	32.0	2622.32	
24	VHH86-24B-11-66-NL	28.0	2445.91	VHH87-24B-11-77-NL	33.0	2700.01	
27	VHH86-27B-11-66-NL	29.0	2499.88	VHH87-27B-11-77-NL	34.0	2777.46	

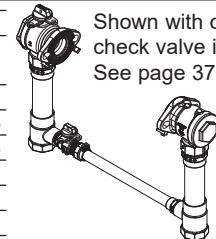


Shown with optional dual check valve in by-pass. See page 37.

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 \$ -170.62 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 (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	
12	VBHH86-12B-11-66-NL	25.9	\$ 2378.18	VBHH87-12B-11-77-NL	29.3	\$ 2506.31	
15	VBHH86-15B-11-66-NL	27.0	2439.72	VBHH87-15B-11-77-NL	32.0	2583.66	
18	VBHH86-18B-11-66-NL	27.2	2493.63	VBHH87-18B-11-77-NL	31.1	2661.13	
21	VBHH86-21B-11-66-NL	28.0	2556.91	VBHH87-21B-11-77-NL	33.0	2748.01	
24	VBHH86-24B-11-66-NL	28.0	2610.75	VBHH87-24B-11-77-NL	33.0	2825.61	
27	VBHH86-27B-11-66-NL	29.0	2664.64	VBHH87-27B-11-77-NL	34.0	2903.07	



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 \$ -170.62 from the price. Example: VBHH86-12-11-66-NL

Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBHH87-27B-11-77-EXP-NL

For 1-1/2" setters, add to price \$ 45.44

For 2" setters, add to price \$ 50.07

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.

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 \$ 795.69

For 2" coppersetter, add to price \$ 842.16

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 . . . \$ 451.15

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

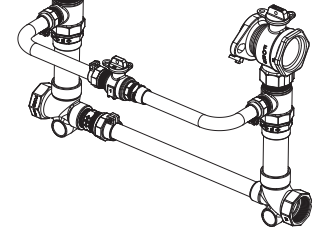
Test Port option: 1-1/2" and 2" coppersetters 14" and higher (18" or higher with a high by-pass) are available with a test port option. This includes a 1-1/2" FIP test port with plug in the top of the dual check valve and a shut-off ball valve with handle in the outlet leg.

For 1-1/2" coppersetter, add to price \$ 609.90

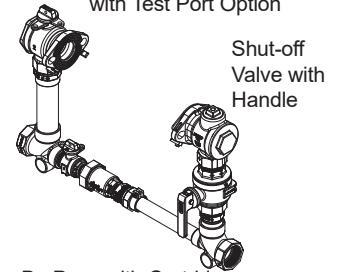
For 2" coppersetter, add to price \$ 766.81

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

Coppersetter Shown with High By-Pass Option



Angle Dual Check Valve with Test Port Option

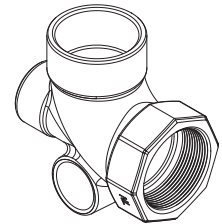


By-Pass with Cartridge Dual Check Valve

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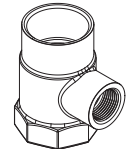
1-1/2" AND 2" 70 SERIES COPPERSETTER TEES

CATALOG NUMBER	DESCRIPTION	LIST PRICE
CSTEE-6-T-CR-NL	1-1/2" Horizontal Inlet Coppersetter Tee	\$ 173.08
CSTEE-7-T-CR-NL	2" Horizontal Inlet Coppersetter Tee	250.08
CSTEE-6B-T-CR-NL	1-1/2" Horizontal Inlet Coppersetter Tee for By-Pass	173.08
CSTEE-7B-T-CR-NL	2" Horizontal Inlet Coppersetter Tee for By-Pass	250.08
○ CSTEE-6-S-CR-NL	1-1/2" Horizontal Outlet Coppersetter Tee	161.70
○ CSTEE-7-S-CR-NL	2" Horizontal Outlet Coppersetter Tee	229.04
○ CSTEE-6B-S-CR-NL	1-1/2" Horizontal Outlet Coppersetter Tee for By-Pass	161.70
○ CSTEE-7B-S-CR-NL	2" Horizontal Outlet Coppersetter Tee for By-Pass	229.04



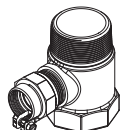
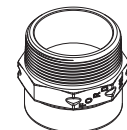
1-1/2" AND 2" 80 SERIES COPPERSETTER TEES

CATALOG NUMBER	DESCRIPTION	LIST PRICE
○ T1S1-664-CR-NL	1-1/2" Vertical Inlet/Outlet Coppersetter Tee for By-Pass	\$ 167.53
○ T1S1-774-CR-NL	2" Vertical Inlet/Outlet Coppersetter Tee for By-Pass	192.49



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	\$ 65.59
CS8-77-CR-NL	2" Solder Valve Bushing for 2" Copper	65.59
T184-664-NL	High By-Pass Tee for 1-1/2" Coppersetter	191.58
T184-774-NL	High By-Pass Tee for 2" Coppersetter	213.45



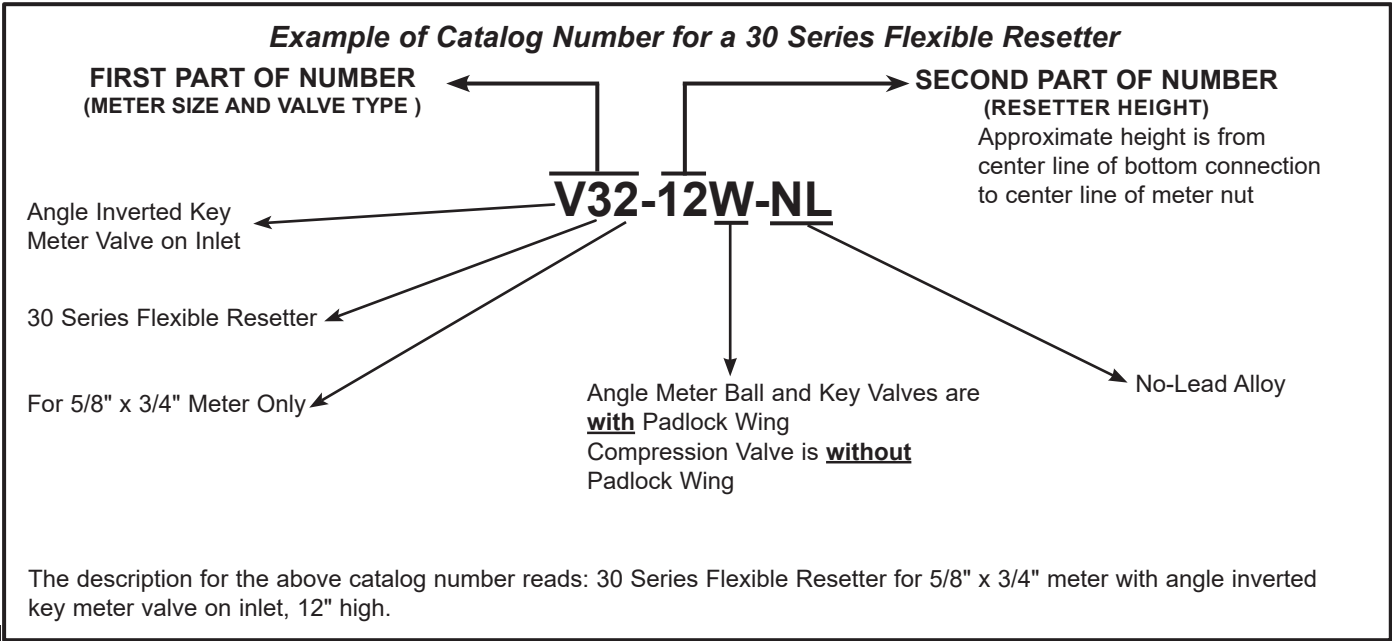
Note: Ford Pack, Quick and Grip Joint compression connections, when used on copper, are designed for Type K or Type L copper only.

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



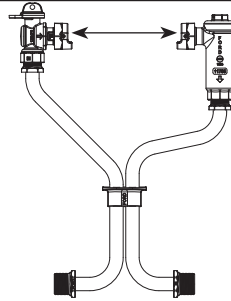
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- TO ORDER:** Select one catalog number component from the charts on pages 39 and 40 to arrive at the complete Flexible Resetter catalog number. Selection order of components:
- Step 1. Meter size and valve type page 39
 - Step 2. Flexible Resetter 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		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	\$ 74.49
VB31	VB32	VB33	Ball	None	90.49
VBB31***	VBB32***	VBB33	Ball	Ball	180.96
VVG31*	VVG32*	VVG33*	Key	Compression	169.67
VV31	VV32	VV33	Key	Key	148.90
VH31	VH32	VH33	Key	Single Check	156.61
VHH31	VHH32	VHH33	Key	• Cascading Dual Check	225.33
VHC31**	VHC32**	VHC33**	Key	• Cartridge Dual Check	240.01
VBG31*	VBG32*	VBG33*	Ball	Compression	185.61
VBH31	VBH32	VBH33	Ball	Single Check	172.66
VBHH31	VBHH32	VBHH33	Ball	• Cascading Dual Check	241.36
VBHC31**	VBHC32**	VBHC33**	Ball	• Cartridge Dual Check	255.90

* 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.

- Dual check valves with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.
Example: VBHC~~CR~~33-15W-NL. Add to price for cartridge style. \$ 39.02
Add to price for cascading style \$ 19.04

Note: For Secura-Lok™ options, see page F-49.

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		LIST PRICE
	INLET VALVE	OUTLET VALVE	
34	None	None	-
V34	Key	None	\$ 114.20
VB34	Ball	None	181.62
VBB34	Ball	Ball	363.21
VVG34*	Key	Compression	266.34
VV34	Key	Key	228.27
VH34	Key	Single Check	212.88
VHH34	Key	• Δ Cascading Dual Check	270.97
VHC34**	Key	• Cartridge Dual Check	401.24
VBG34*	Ball	Compression	333.76
VBH34	Ball	Single Check	280.35
VBHH34	Ball	• Δ Cascading Dual Check	338.46
VBHC34**	Ball	• Cartridge Dual Check	468.73

* Compression valve does not have padlock wing.

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

- Dual check valves with enhanced chlorine / chloramine resistance are available. Add "CR" to end of alpha code.
Example: VBHC~~CR~~34-15W-NL. Add to price for cartridge style. \$ 49.47
Add to price for cascading style \$ 19.04

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.

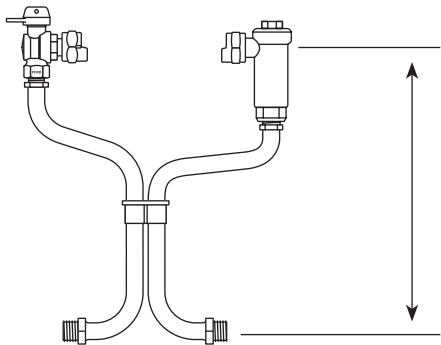
Note: For Secura-Lok™ options, see page F-49.

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	\$ 1.79
Seal wire hole in check valve cap, add to price	\$ 3.59

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



31 SERIES FLEXIBLE RESETTER FOR 5/8" METERS

CATALOG NUMBER	RESETTER HEIGHT (IN.)	STD. PKG. QTY.	ADD TO PRICE
12W-NL	12	10	\$ 175.15
15W-NL	15	7	182.21
18W-NL	18	6	205.32
21W-NL	21	6	218.38
24W-NL	24	6	228.90

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

CATALOG NUMBER	RESETTER HEIGHT (IN.)	STD. PKG. QTY.	ADD TO PRICE
12W-NL	12	10	\$ 190.48
15W-NL	15	7	197.51
18W-NL	18	6	220.73
21W-NL	21	6	233.82
24W-NL	24	6	244.25

33 SERIES FLEXIBLE RESETTER FOR 3/4" METERS

CATALOG NUMBER	RESETTER HEIGHT (IN.)	STD. PKG. QTY.	ADD TO PRICE
12W-NL	12	5	\$ 236.77
15W-NL	15	5	252.10
18W-NL	18	4	270.67
21W-NL	21	4	284.67
24W-NL	24	4	299.38

34 SERIES FLEXIBLE RESETTER FOR 1" METERS

CATALOG NUMBER	RESETTER HEIGHT (IN.)	STD. PKG. QTY.	ADD TO PRICE
15W-NL	15	4	\$ 377.25
18W-NL	18	4	419.33
21W-NL	21	4	445.64
24W-NL	24	4	461.28

F

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)**

Angle Inverted Key
Meter Valve on Inlet

40 Series Resetter

For 5/8" Meter Only

V41-12W-NL

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

No-Lead Alloy

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

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

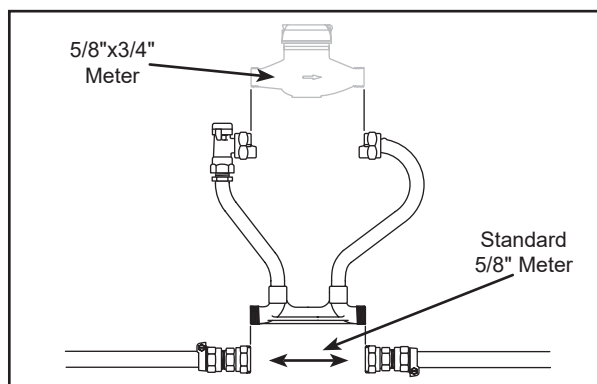
NOTES:

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



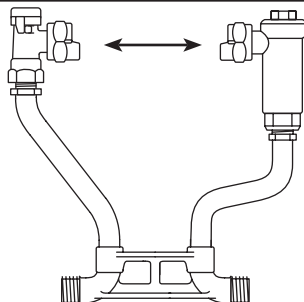
Change-over resetters for various meter sizes are available P.O.A.

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.

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		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	\$ 74.49
VB41	VB42	VB43	Ball	None	90.49
VBB41***	VBB42***	VBB43	Ball	Ball	180.96
VVG41*	VVG42*	VVG43*	Key	Compression	169.67
VV41	VV42	VV43	Key	Key	148.90
VH41	VH42	VH43	Key	Single Check	156.61
VHH41	VHH42	VHH43	Key	● Cascading Dual Check	225.33
VHC41**	VHC42**	VHC43**	Key	● Cartridge Dual Check	240.01
VBG41*	VBG42*	VBG43*	Ball	Compression	185.61
VBH41	VBH42	VBH43	Ball	Single Check	172.66
VBHH41	VBHH42	VBHH43	Ball	● Cascading Dual Check	241.36
VBHC41**	VBHC42**	VBHC43**	Ball	● Cartridge Dual Check	255.90

* 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.

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

Example: VBHC41CR43-15W-NL. Add to price for cartridge style \$ 39.02

Add to price for cascading style \$ 19.04

Note: For Secura-Lok™ options, see page F-49.

44 SERIES RESETTER FOR 1" METERS

CATALOG NUMBER (METER SIZE AND VALVE TYPE) FOR 1"	DESCRIPTION		LIST PRICE
	INLET VALVE	OUTLET VALVE	
44	None	None	-
V44	Key	None	\$ 114.20
VB44	Ball	None	181.62
VBB44	Ball	Ball	363.21
VVG44*	Key	Compression	266.34
VV44	Key	Key	228.27
VH44	Key	Single Check	212.88
VHH44	Key	● ▼ Cascading Dual Check	270.97
VHC44**	Key	● Cartridge Dual Check	401.24
VBG44*	Ball	Compression	333.76
VBH44	Ball	Single Check	280.35
VBHH44	Ball	● ▼ Cascading Dual Check	338.46
VBHC44**	Ball	● Cartridge Dual Check	468.73

* Compression valve does not have padlock wing.

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

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

Example: VBHC44CR44-15W-NL. Add to price for cartridge style \$ 49.47

Add to price for cascading style \$ 19.04

▼ 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.

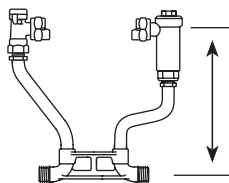
Note: For Secura-Lok™ options, see page F-49.

METER VALVE OPTIONS FOR 40 SERIES RESETTERS

Seal wire hole in inlet valve, add to price \$ 1.79

Seal wire hole in check valve cap, add to price \$ 3.59

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



41 SERIES RESETTER FOR 5/8" METERS

CATALOG NUMBER	RESETTER HEIGHT (IN.)	ADD TO PRICE
7W-NL	7	\$ 131.53
9W-NL	9	134.29
12W-NL	12	141.93
15W-NL	15	151.51
18W-NL	18	183.84
21W-NL	21	192.91
24W-NL	24	202.87
27W-NL	27	214.36
30W-NL	30	224.11

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

CATALOG NUMBER	RESETTER HEIGHT (IN.)	ADD TO PRICE
7W-NL	7	\$ 140.30
9W-NL	9	142.97
12W-NL	12	150.62
15W-NL	15	160.09
18W-NL	18	192.82
21W-NL	21	201.84
24W-NL	24	211.74
27W-NL	27	223.52
30W-NL	30	233.06

43 SERIES RESETTER FOR 3/4" METERS

CATALOG NUMBER	RESETTER HEIGHT (IN.)	ADD TO PRICE
8W-NL	8	\$ 192.24
12W-NL	12	200.12
15W-NL	15	210.84
18W-NL	18	247.50
21W-NL	21	274.11
24W-NL	24	285.60
27W-NL	27	298.24
30W-NL	30	311.70

44 SERIES RESETTER FOR 1" METERS

CATALOG NUMBER	RESETTER HEIGHT (IN.)	ADD TO PRICE
10W-NL	10	\$ 295.93
12W-NL	12	305.66
15W-NL	15	317.39
18W-NL	18	387.01
21W-NL	21	412.37
24W-NL	24	430.86
27W-NL	27	450.46
30W-NL	30	471.57

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:

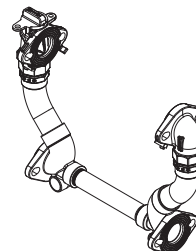
For 5/8" (V41) resetters	\$ 7.89
For 5/8" x 3/4" (V42) resetters	\$ 7.89
For 3/4" (V43) resetters	\$ 10.88
For 1" (V44) resetters	\$ 12.68

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

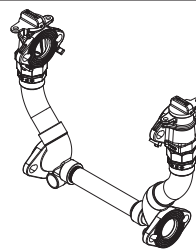
FOR 1-1/2" METER				FOR 2" METER			
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
13	V46-13-NL	25.5	\$ 2348.60	12	V47-12-NL	31.9	\$ 2650.74
15	V46-15-NL	25.5	2348.60	14	V47-14-NL	31.9	2650.74
18	V46-18-NL	25.5	2406.34	18	V47-18-NL	31.9	2650.74
24	V46-24-NL	26.8	2543.11	24	V47-24-NL	34.4	2811.00
27	V46-27-NL	26.0	2605.99	27	V47-27-NL	35.4	2888.38



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

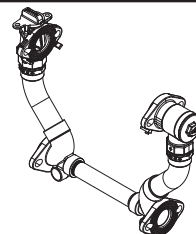
FOR 1-1/2" METER				FOR 2" METER			
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
13	VV46-13-NL	25.5	\$ 2508.78	12	VV47-12-NL	35.2	\$ 2858.18
15	VV46-15-NL	25.5	2508.78	14	VV47-14-NL	35.2	2858.18
18	VV46-18-NL	25.5	2566.51	18	VV47-18-NL	35.2	2858.18
24	VV46-24-NL	26.8	2703.27	24	VV47-24-NL	37.7	3018.44
27	VV46-27-NL	29.0	2766.19	27	VV47-27-NL	39.0	3095.90

** 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.



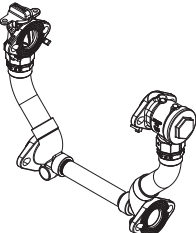
RESETTER WITHOUT BY-PASS FLANGED KEY VALVE ON INLET AND ANGLE CHECK VALVE ON OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
13	VH46-13-NL	25.1	\$ 2556.91	13	VH47-13-NL	34.0	\$ 2901.16
15	VH46-15-NL	25.1	2556.91	16	VH47-16-NL	34.0	2901.16
18	VH46-18-NL	25.1	2614.53	18	VH47-18-NL	34.0	2901.16
24	VH46-24-NL	26.3	2751.27	24	VH47-24-NL	36.5	3061.47
27	VH46-27-NL	29.0	2814.24	27	VH47-27-NL	39.0	3138.93



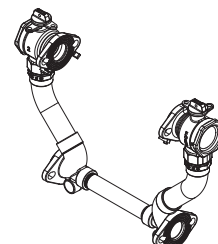
RESETTER WITHOUT BY-PASS FLANGED KEY VALVE ON INLET AND ANGLE DUAL CHECK VALVE ON OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
13	VHH46-13-NL	28.0	\$ 2826.85	13	VHH47-13-NL	36.0	\$ 2998.40
15	VHH46-15-NL	28.0	2826.85	16	VHH47-16-NL	37.0	2998.40
18	VHH46-18-NL	29.0	2884.57	18	VHH47-18-NL	36.0	2998.40
24	VHH46-24-NL	30.0	3021.42	24	VHH47-24-NL	39.0	3159.67
27	VHH46-27-NL	31.0	3084.29	27	VHH47-27-NL	39.4	3235.99



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

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
14	VBB46-14-NL	28.6	\$ 2838.50	14	VBB47-14-NL	39.0	\$ 3109.20
16	VBB46-16-NL	29.0	2838.50	16	VBB47-16-NL	39.0	3109.20
18	VBB46-18-NL	28.6	2896.18	18	VBB47-18-NL	39.0	3109.20
24	VBB46-24-NL	29.8	3032.97	24	VBB47-24-NL	41.0	3269.47
27	VBB46-27-NL	30.5	3095.90	27	VBB47-27-NL	42.3	3347.00



Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBB47-27-EXP-NL

For 1-1/2" setters, add to price \$ 45.44

For 2" setters, add to price \$ 50.07

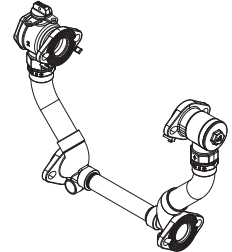
Note: For Secura-Lok™ options, see page F-49.

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 (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
14	VBH46-14-NL	26.6	\$ 2721.64	14	VBH47-14-NL	35.8	\$ 3026.69
16	VBH46-16-NL	26.6	2721.64	16	VBH47-16-NL	35.8	3026.69
18	VBH46-18-NL	26.6	2779.38	18	VBH47-18-NL	35.8	3026.69
24	VBH46-24-NL	27.9	2916.17	24	VBH47-24-NL	38.3	3186.95
27	VBH46-27-NL	28.6	2979.06	27	VBH47-27-NL	39.3	3264.36



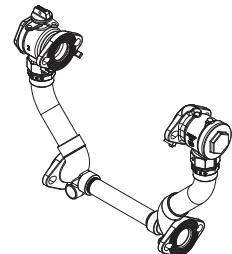
Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBH47-27-EXP-NL

For 1-1/2" setters, add to price \$ 45.44
For 2" setters, add to price \$ 50.07

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 (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
14	VBHH46-14-NL	30.0	\$ 2991.76	14	VBHH47-14-NL	37.8	\$ 3123.87
16	VBHH46-16-NL	30.0	2991.76	16	VBHH47-16-NL	37.8	3123.87
18	VBHH46-18-NL	29.8	3049.41	18	VBHH47-18-NL	37.8	3123.87
24	VBHH46-24-NL	32.0	3186.23	24	VBHH47-24-NL	40.3	3284.10
27	VBHH46-27-NL	33.0	3249.13	27	VBHH47-27-NL	42.0	3361.61



Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VBHH47-27-EXP-NL

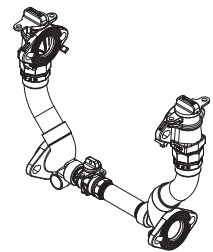
For 1-1/2" setters, add to price \$ 45.44
For 2" setters, add to price \$ 50.07

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 (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
13	VV46-13B-NL	27.8	\$ 2679.36	12	VV47-12B-NL	37.0	\$ 3028.74
15	VV46-15B-NL	30.0	2679.36	14	VV47-14B-NL	37.0	3028.74
18	VV46-18B-NL	27.8	2737.10	18	VV47-18B-NL	36.9	3028.74
24	VV46-24B-NL	32.0	2873.84	24	VV47-24B-NL	39.0	3189.08
27	VV46-27B-NL	33.0	2936.81	27	VV47-27B-NL	40.0	3266.52



** 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.

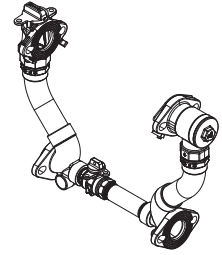
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RESETTERS FOR FLANGED METERS - (WITH BY-PASS) - CONTINUED

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

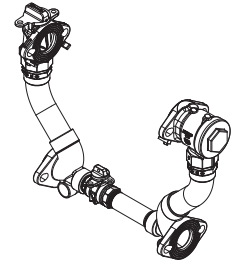
RESETTER WITH BY-PASS
FLANGED KEY VALVE ON INLET AND ANGLE CHECK VALVE ON OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
13	VH46-13B-NL	27.3	\$ 2727.52	13	VH47-13B-NL	35.7	\$ 3071.80
15	VH46-15B-NL	29.0	2727.52	16	VH47-16B-NL	35.7	3071.80
18	VH46-18B-NL	27.3	2785.14	18	VH47-18B-NL	35.7	3071.80
24	VH46-24B-NL	30.0	2921.98	24	VH47-24B-NL	40.0	3232.04
27	VH46-27B-NL	31.0	2984.77	27	VH47-27B-NL	41.0	3309.45



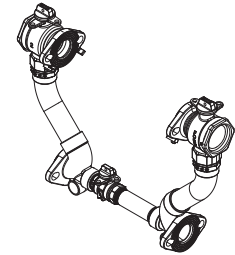
RESETTER WITH BY-PASS
FLANGED KEY VALVE ON INLET AND ANGLE DUAL CHECK VALVE ON OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
13	VHH46-13B-NL	31.0	\$ 2997.49	13	VHH47-13B-NL	38.0	\$ 3168.94
15	VHH46-15B-NL	31.0	2997.49	16	VHH47-16B-NL	38.0	3168.94
18	VHH46-18B-NL	30.8	3055.22	18	VHH47-18B-NL	37.7	3168.94
24	VHH46-24B-NL	32.0	3192.00	24	VHH47-24B-NL	40.0	3330.26
27	VHH46-27B-NL	33.0	3254.93	27	VHH47-27B-NL	42.0	3406.65



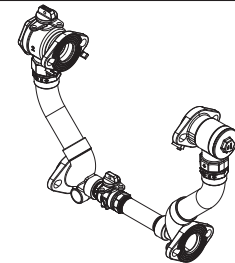
RESETTER WITH BY-PASS
FLANGED BALL VALVE ON INLET AND OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
14	VBB46-14B-NL	30.8	\$ 3009.05	14	VBB47-14B-NL	40.5	\$ 3279.77
16	VBB46-16B-NL	30.8	3009.05	16	VBB47-16B-NL	41.6	3279.77
18	VBB46-18B-NL	30.8	3066.82	18	VBB47-18B-NL	40.5	3279.77
24	VBB46-24B-NL	32.0	3203.49	24	VBB47-24B-NL	43.1	3440.08
27	VBB46-27B-NL	33.1	3266.44	27	VBB47-27B-NL	44.0	3517.48



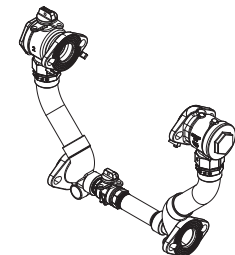
RESETTER WITH BY-PASS
FLANGED BALL VALVE ON INLET AND ANGLE CHECK VALVE ON OUTLET

FOR 1-1/2" METER				FOR 2" METER			
HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
14	VBH46-14B-NL	28.8	\$ 2892.28	14	VBH47-14B-NL	37.5	\$ 3197.25
16	VBH46-16B-NL	30.0	2892.28	16	VBH47-16B-NL	41.0	3197.25
18	VBH46-18B-NL	28.8	2950.03	18	VBH47-18B-NL	37.5	3197.25
24	VBH46-24B-NL	30.1	3086.78	24	VBH47-24B-NL	40.0	3357.58
27	VBH46-27B-NL	30.8	3149.70	27	VBH47-27B-NL	40.9	3435.05



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 (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE	HEIGHT (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
14	VBHH46-14B-NL	32.0	\$ 3162.32	14	VBHH47-14B-NL	39.5	\$ 3294.39
16	VBHH46-16B-NL	32.0	3162.32	16	VBHH47-16B-NL	39.5	3294.39
18	VBHH46-18B-NL	32.0	3220.12	18	VBHH47-18B-NL	39.5	3294.39
24	VBHH46-24B-NL	33.0	3356.78	24	VBHH47-24B-NL	42.0	3454.64
27	VBHH46-27B-NL	34.0	3419.81	27	VBHH47-27B-NL	43.0	3532.20



Note: For Secura-Lok™ options, see page F-49.

Note: Expanding meter flange available. Add "-EXP" to end of catalog number. Example: VH47-27B-EXP-NL

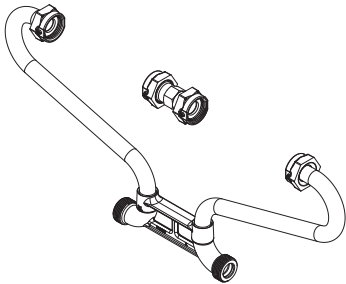
For 1-1/2" setters, add to price \$ 45.44

For 2" setters, add to price \$ 50.07

THE FORD TYPE A AND TYPE B TANDEM RESETTERS

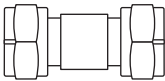
Prices shown are for tandem resetters holding two meters in series. If pressure regulator or other device is to be used instead of one meter, special adapters are necessary. Contact factory for more information and prices.

TYPE A
(double end connection is included)



CATALOG NUMBER	METER SIZE	LIST PRICE
RESETTER-1A-NL	5/8"	\$ 417.42
RESETTER-2A-NL	5/8" x 3/4"	437.30
RESETTER-3A-NL	3/4"	736.71
RESETTER-4A-NL	1"	903.44

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

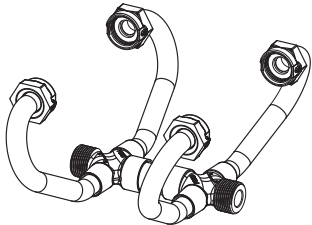


CATALOG NUMBER	METER SIZE	LIST PRICE
DEC-1-NL	5/8"	\$ 34.67
DEC-2-NL	5/8" x 3/4" and 3/4"	37.76
* DEC-4-AWT-NL	1"	89.27

* Consists of two components assembled watertight.

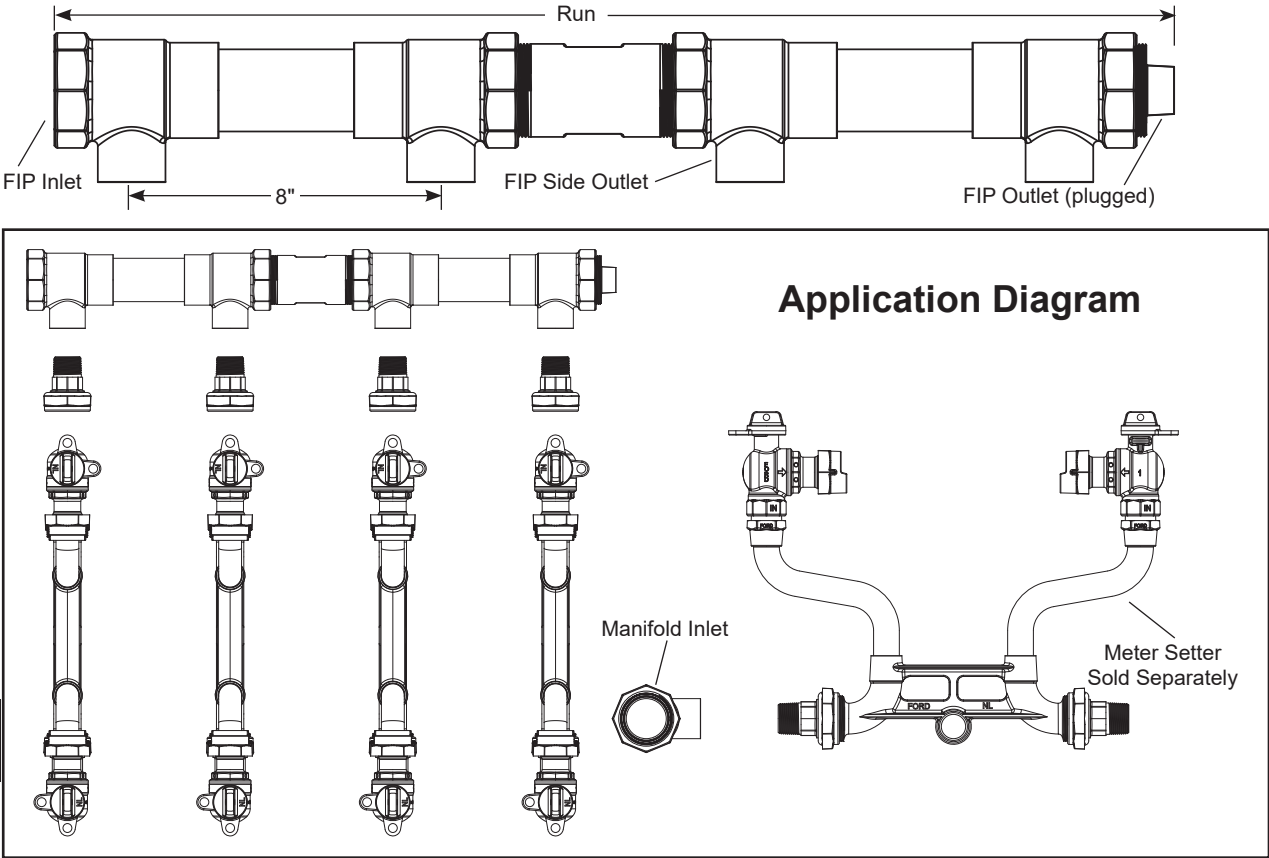
F

TYPE B



CATALOG NUMBER	METER SIZE	LIST PRICE
RESETTER-1B-NL	5/8"	\$ 503.53
RESETTER-2B-NL	5/8" x 3/4"	523.72
RESETTER-3B-NL	3/4"	584.30
RESETTER-4B-NL	1"	730.27

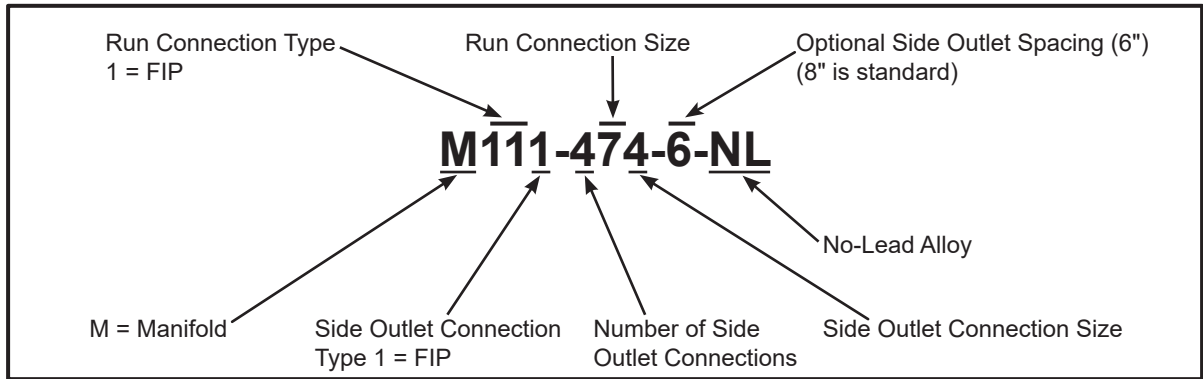
METERING MANIFOLDS



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.)

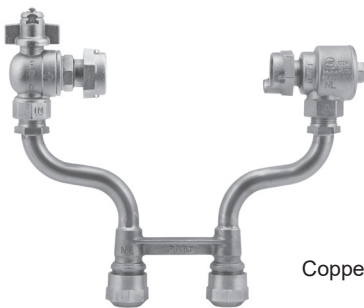
CATALOG NUMBER	NUMBER OF SIDE OUTLETS	FIP INLET, PLUGGED FIP OUTLET	FIP SIDE OUTLET SIZE	APPROX. WT. LBS.	STD. PKG. QTY.	LIST PRICE
M111-464-NL	4	1-1/2"	1"	11.4	-	\$ 1008.01
M111-564-NL	5	1-1/2"	1"	14.7	-	1312.65
M111-574-NL	5	2"	1"	17.6	-	1456.64
M111-674-NL	6	2"	1"	21.6	-	1717.31
M111-774-NL	7	2"	1"	25.4	-	2047.24
M111-874-NL	8	2"	1"	29.3	-	2187.42

Manifold Number System



How to Order Secura-Lok

Ford Secura-Lok™ valves feature integral locking tee-heads to secure a valve in the desired setting. Secura-Lok is available on 5/8" to 2" straight ball valves and 5/8" to 1" and 1-1/2" to 2" angle ball valves. To order, add the appropriate code to the catalog number.



(PATENT PENDING)

Coppersetter with inlet Secura-Lok Valve
(barrel lock style)

To order Secura-Lok valves on Coppersetters:

CATALOG NUMBER	DESCRIPTION	EXAMPLE	PRICE
SB1	Barrel-style Secura-Lok on inlet valve only	VB74-15SB1-44-66-NL	\$ 53.96
SB2	Barrel-style Secura-Lok on inlet and outlet valves	VBB94-18SB2-44-33-NL	107.92
SB3	Barrel-style Secura-Lok on inlet, outlet and by-pass valves	VBB77-12BHC-11-77-SB3-NL	161.88
SB4	Barrel-style Secura-Lok on by-pass valve only	VBHH76-18HBHC-11-66-SB4-NL	53.90
SB5	Barrel-style Secura-Lok™ on inlet and by-pass valves	VB77-15B-44-77-SBS	107.92
SB6	Barrel-style Secura-Lok on outlet valve only	VBB94-18SB6-44-33-NL	53.96

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

Secura-Lok Options and Accessories

CATALOG NUMBER	DESCRIPTION	PRICE
KEY-567-SLB	Barrel Lock Key (1-1/2" - 2" valves)	\$ 264.62
KEY-234-SLB	Barrel Lock Key (5/8" - 1" valves)	178.34
PLUG-234-SLB	Plastic Protective Barrel Lock Plug (5/8"-1")	1.67
PLUG-567-SLB	Plastic Protective Barrel Lock Plug (1-1/2"-2")	1.74



KEY-234-SLB



KEY-567-SLB



PLUG-567-SLB



PLUG-234-SLB

How to Order Adjustable S-Tube for Tandem Settings

Ford's patent-pending adjustable S-tube is designed to simplify tandem setter installations. This innovative fitting adjusts up to 2" to accommodate a wide variety of pressure reducing valves (PRVs) or other devices in tandem applications.



(PATENT PENDING)

The ST-2-EXP-NL can be ordered separately for retrofit projects or specified on new tandem setter assemblies.

To order a tandem setter or pitsetter with the ST-2-EXP-NL in place of the standard S-tube, add "-AS" to the part number. Examples: TVBHH92-12W-44-33-AS-NL

CATALOG NUMBER	DESCRIPTION	PRICE
ST-2-EXP-NL	Adjustable S-Tube	\$ 224.95