



Section G

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Ford Curb Stops and Meter Valves

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Ford offers more than 10,000 products that are Classified by Underwriters Laboratories Inc. to ANSI/NSF Standard 61 or ANSI/NSF Standard 61 Annex G (or proposed ANSI/NSF Standard 372). To verify if a product is classified to this Standard, contact the Ford Meter Box Customer Service Department at 260-563-3171 or go to <http://database.ul.com/cgi-bin/XYVI/template/LISEXT/1FRAME/index.htm> to view our compliant product listings. The UL marking will be on the box label to indicate that the product is classified to the ANSI/NSF Standard 61 or ANSI/NSF Standard 61 Annex G (or proposed ANSI/NSF Standard 372). Ford Meter Box meets your needs for products that are proven and reliable.



CATALOG SECTION G NUMBERING SYSTEM

TYPE OF VALVE

AV = Angle Key Yoke Valve or Service Valve
B = Ball Valve
BA = Angle Ball Valve
BF = Flanged Ball Valve
BFA = Flanged Angle Ball Valve
BL = Ball Valve (long)
BH = 5/8" Ball Valve with a Heavy Tee-head
FV = Flanged Angle Key Valve
KV = Angle Key Meter Valve
SG = Straight Compression Valve
SV = Straight Key Valve
UV = Branch Key Valve Assembly
UAV = Angle Branch Key Valve Assembly
UVB = Branch Ball Valve Assembly
UAVB = Angle Branch Ball Valve Assembly
UVZS = Branch Key Curb Stop Assembly
Z = Curb Stop (standard)
ZL = Curb Stop (long)
ZS = Curb Stop (short)
ZX = 1/2" Curb Stop (plug style)

SIZE OF INLETS - OUTLETS

(One End - Other End)

1 = 1/2" (or 5/8" meter nut)
 2 = 5/8" (or 5/8" x 3/4" & 3/4" meter nut)
 3 = 3/4"
 4 = 1"
 5 = 1-1/4"
 6 = 1-1/2"
 7 = 2"
 8 = 2-1/2"

METER NUTS

1 = 5/8"
 2 = 5/8" x 3/4" & 3/4"
 4 = 1"

METER FLANGES

6 = 1-1/2"
 7 = 2"

VALVE SIZE

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

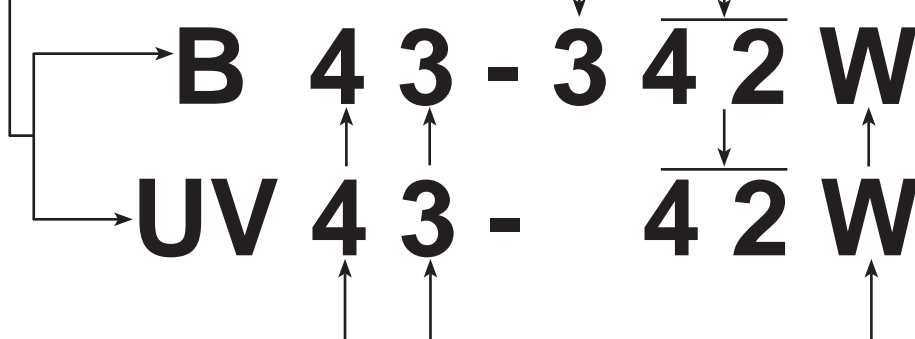
TYPE OF INLETS - OUTLETS

(One End - Other End)

1 = Female Iron Pipe Threads
 2 = Flare Copper Tube Nut
 3 = Meter Nut or Flange
 4 = Pack Joint for Plastic or Copper Tube (CTS)
 5 = Pack Joint for Iron Pipe
 6 = Pack Joint for PE Pipe
 7 = Pack Joint for PVC Pipe (Schedule 40 & 80)
 8 = Male Iron Pipe Threads
 9 = Yoke Nose
 0 = Female Copper Tube Nut Thread or 'Special'

OPTIONAL FEATURES

W = Padlock Wing
SW = Stop & Waste
D = Test/Drain Valve
G = Grip Joint (for 3/4" - 2" CTS and 3/4" and 1" PEP)
M = Minneapolis Pattern
NE = New England Threads
R = (360° Tee-head Rotation)
OR = Open Right
IDR7 = Inner Dimension Ratio for 1-1/2" and 2" PE Pipe
Q = Quick Joint
TW-Q = CTS Quick Joint with tracer wire terminal



Note: See item listings in catalog section to assure that desired sizes and options are available.

Please Note:

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

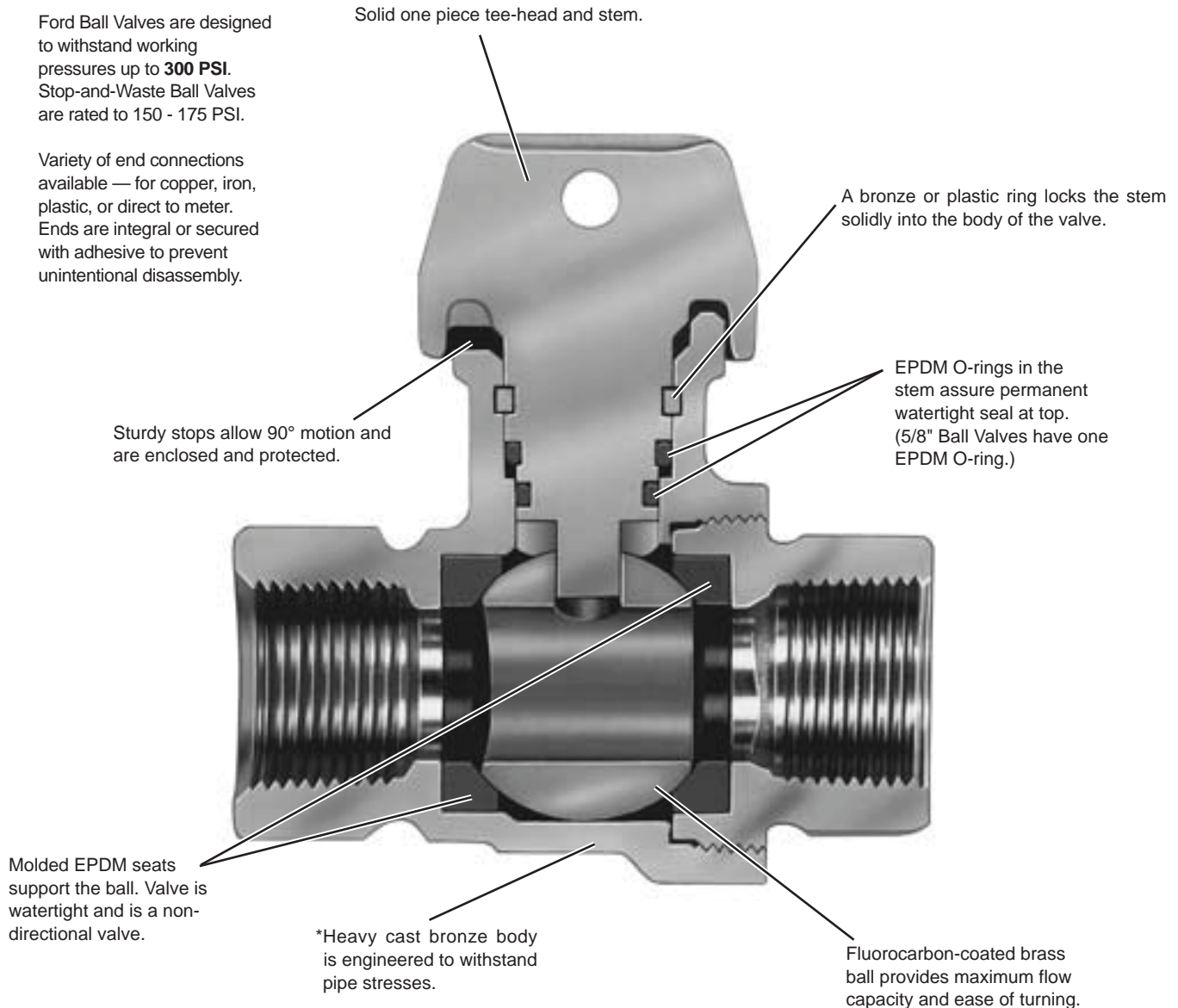
Information

ANSI/NSF Standard 61
see page G-2

Features of the Ford Ball Valve

FORD BALL VALVE CURB STOPS are ideal for use in water service lines. Watertight in EITHER direction at pressures up to 300 PSI, easy turning, nonbinding, and minimum pressure loss — these characteristics are added to superb design, quality, and precise manufacturing.

Standard Ford Ball Valve



* All Ford Meter Box brass conforms to AWWA Standard C800 (UNS No. C83600 - 85-5-5-5 — ASTM B-62 and ASTM B-584).

PRESSURE REQUIREMENTS

The AWWA Standard C800 specifies normal pressure service line valves shall be suitable for use with water at 100 PSI for 1" and smaller sizes, and 80 PSI for 1-1/4" through 2" sizes. Ford Key Style Valves are designed for normal service line pressure conditions. Use Ford Ball Valves for higher pressure requirements.

Information

Features of the Ford Ball Valve

Options Available

COMPRESSION OPTIONS



ALL TYPES OF CONNECTIONS

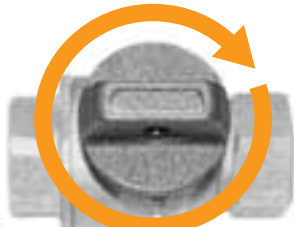
Ford Curb Stops and Meter Valves are available with a wide variety of connections. Make your selection from compression, flare, female or male style fittings for copper, iron, polyethylene, PVC and lead. ***Grip Joint** instead of **Pack Joint** for CTS (for all sizes) or **PEP** (3/4" or 1") can be ordered by adding "-G" to the end of catalog number. Example: B41-333-G. **Quick Joint** is available for items indicated with a ♦. Add a "-Q" to the end of the catalog number.



Padlock Wings

PADLOCK WINGS

Most valves are available with padlock wings (except for Minneapolis Valve or where noted). Add "W" to catalog number. Example: B11-333W. "W" in a listed catalog number indicates that the valve is available with padlock wings only.



360° Tee-head Rotation

360° TEE-HEAD ROTATION

Standard tee-head stops on the body to permit 90° turn *only*. Full 360° tee-head rotation is available. Add "R" to catalog number. Example: B21-333R.



Reclaimed Water Tee-head

RECLAIMED WATER BALL VALVE TEE-HEAD

A distinctive tee-head with "Reclaimed Water" lettering for easy identification is available on 3/4" through 2" Ball Valves. Insert "RW" into the catalog number. Example: BRW11-333W. Tee-head sold only with padlock wings.



Valve Lock Caps

VALVE LOCK CAPS

Lock caps are available for 5/8" through 2" Ball Valves and 3/4" Angle Key Valves. See page 38 to order.



Gate Valve Operating Nut

2" GATE VALVE OPERATING NUT

Adapts tee-head on 1-1/4", 1-1/2" and 2" Ball Valves (listed on pages 6 - 13) for operation with standard gate valve wrenches. See page 38 to order.



Minneapolis Pattern Valve

MINNEAPOLIS PATTERN VALVE

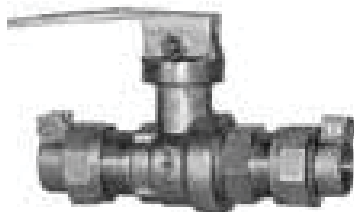
Threads are available around the valve body in order to attach Minneapolis style curb box. 3/4" and 1" valves have 1-1/2" threads; 1-1/4", 1-1/2" and 2" valves have 2" threads. If an additional size is required other than the sizes listed, please contact the factory for availability.



Stop and Waste Feature

** STOP-AND-WASTE FEATURE

Stop-and-waste valves allow the downstream service line to drain when in the closed position. This feature is typically used to avoid damage to the service line caused by freezing. Valves available with this option are indicated with a double asterisk (**). Add "SW" to the end of the catalog number. Example: B11-333SW.



Handles for Valves

HANDLES FOR VALVES

Handles for valves are available. Ordering information and descriptions are found on pages 37 and 38.



Drain/Test Valve Option

DRAIN/TEST VALVE OPTION

For service Ball Valves. See page 33.



Tracer Wire Terminal

TRACER WIRE TERMINAL

Available on 3/4", 1", 1-1/2" and 2" CTS Quick Joint Nuts, add "-TW-Q" to end of catalog number.

Ford Ball Valve Curb Stops

Ball Valves with Iron Pipe Threads

ANSI/NSF Standard 61
see page G-2

B11-333



Female Iron Pipe Threads Both Ends

CATALOG NUMBER	VALVE SIZE	ONE END	OTHER END	APPROX. LENGTH	APPROX. WT. LBS.
** B11-333	3/4"	3/4"	3/4"	3-3/8"	1.9
B11-343	3/4"	1"	3/4"	3-9/16"	2.0
B11-344	3/4"	1"	1"	3-11/16"	2.1
BL11-344-4.5	3/4"	1"	1"	4-1/2"	2.3
** B11-444	1"	1"	1"	3-13/16"	2.5
B11-454	1"	1-1/4"	1"	4-3/16"	2.9
B11-455	1"	1-1/4"	1-1/4"	4-7/16"	3.1
B11-555	1-1/4"	1-1/4"	1-1/4"	4-1/4"	4.7
B11-566	1-1/4"	1-1/2"	1-1/2"	4-1/2"	5.3
** B11-666	1-1/2"	1-1/2"	1-1/2"	4-3/4"	7.1
** B11-676	1-1/2"	2"	1-1/2"	5"	6.4
** B11-677	1-1/2"	2"	2"	5-1/4"	8.0
** B11-777	2"	2"	2"	5-3/8"	8.4
B11-788	2"	2-1/2"	2-1/2"	6-1/8"	11.1

B11-333M



Female Iron Pipe Threads Both Ends Minneapolis Pattern Valve

CATALOG NUMBER	VALVE SIZE	ONE END	OTHER END	APPROX. LENGTH	APPROX. WT. LBS.
** B11-333M	3/4"	3/4"	3/4"	3-3/8"	2.3
** B11-444M	1"	1"	1"	3-13/16"	3.4
B11-455M	1"	1-1/4"	1-1/4"	4-7/16"	4.0
B11-555M	1-1/4"	1-1/4"	1-1/4"	4-1/4"	5.1
** B11-666M	1-1/2"	1-1/2"	1-1/2"	4-3/4"	7.5
B11-676M	1-1/2"	2"	1-1/2"	5"	7.9
B11-677M	1-1/2"	2"	2"	5-1/4"	8.4
** B11-777M	2"	2"	2"	5-3/8"	10.3
B11-788M	2"	2-1/2"	2-1/2"	6-1/8"	11.2

B81-777



Male Iron Pipe Thread by Female Iron Pipe Thread

CATALOG NUMBER	VALVE SIZE	MIP END	FIP END	APPROX. WT. LBS.
B81-333	3/4"	3/4"	3/4"	-
B81-343	3/4"	1"	3/4"	-
B81-444	1"	1"	1"	2.6
B81-455	1"	1-1/4"	1-1/4"	3.0
** B81-666	1-1/2"	1-1/2"	1-1/2"	6.2
B81-676	1-1/2"	2"	1-1/2"	-
B81-677	1-1/2"	2"	2"	-
** B81-777	2"	2"	2"	9.2

B88-333



Male Iron Pipe Thread Both Ends

CATALOG NUMBER	VALVE SIZE	INLET SIZE	OUTLET SIZE	APPROX. LENGTH	APPROX. WT. LBS.
B88-333	3/4"	3/4"	3/4"	-	2.0
B88-344	3/4"	1"	1"	-	-
B88-444	1"	1"	1"	-	-
B88-454W	1"	1-1/4"	1"	-	-
B88-455W	1"	1-1/4"	1-1/4"	-	-
B88-666W	1-1/2"	1-1/2"	1-1/2"	-	-
B88-777	2"	2"	2"	-	-

Ford Ball Valve Curb Stops

Ball Valves with Iron Pipe and Flared Copper Ends

B21-333



Flare Copper by Female Iron Pipe Threads

CATALOG NUMBER	VALVE SIZE	FLARE END	FIP END	APPROX. LENGTH	APPROX. WT. LBS.
**B21-333	3/4"	3/4"	3/4"	4-3/16"	2.2
BL21-333-4.5	3/4"	3/4"	3/4"	4-1/2"	2.7
B21-343	3/4"	1"	3/4"	4-7/16"	2.6
B21-334	3/4"	3/4"	1"	3-11/16"	2.5
B21-344	3/4"	1"	1"	4-9/16"	2.8
BL21-344-5.187	3/4"	1"	1"	5-3/16"	3.2
**B21-444	1"	1"	1"	5"	3.3
B21-445	1"	1"	1-1/4"	5-3/16"	4.5
B21-455	1"	1-1/4"	1-1/4"	5-3/8"	4.7
B21-555	1-1/4"	1-1/4"	1-1/4"	5-7/16"	5.9
B21-566	1-1/4"	1-1/2"	1-1/2"	6-1/8"	6.9
**B21-666	1-1/2"	1-1/2"	1-1/2"	6-1/2"	7.8
B21-667	1-1/2"	1-1/2"	2"	-	8.2
B21-676	1-1/2"	2"	1-1/2"	-	10.9
B21-677	1-1/2"	2"	2"	7-1/4"	11.6
**B21-777	2"	2"	2"	7"	12.4

NOTE: Length of valve for flare copper is measured less the copper tube nut.

B21-333M



Flare Copper by Female Iron Pipe Threads Minneapolis Pattern Valve

CATALOG NUMBER	VALVE SIZE	FLARE END	FIP END	APPROX. LENGTH	APPROX. WT. LBS.
**B21-333M	3/4"	3/4"	3/4"	4-3/16"	2.8
B21-444M	1"	1"	1"	5"	3.6
B21-455M	1"	1-1/4"	1-1/4"	5-3/8"	5.0
B21-555M	1-1/4"	1-1/4"	1-1/4"	-	6.2
**B21-666M	1-1/2"	1-1/2"	1-1/2"	6-1/2"	9.2
**B21-676M	1-1/2"	2"	1-1/2"	-	11.5
**B21-777M	2"	2"	2"	7"	13.4

NOTE: Length of valve for flare copper is measured less the copper tube nut.

B82-333



Flare Copper by Male Iron Pipe Thread

CATALOG NUMBER	VALVE SIZE	INLET SIZE	OUTLET SIZE	APPROX. LENGTH	APPROX. WT. LBS.
B82-333	3/4"	3/4"	3/4"	-	2.0
B82-444	1"	1"	1"	-	3.1
B82-555	1-1/4"	1-1/4"	1-1/4"	-	6.0
B82-666	1-1/2"	1-1/2"	1-1/2"	-	9.0
B82-777	2"	2"	2"	-	13.6

NOTE: Length of valve for flare copper is measured less the copper tube nut.

Options Available

****Stop-and-Waste feature** is available. Add "SW" to the catalog number. Examples: B11-333SW and B21-333SWM.

Reclaimed Water Tee-head is available. Insert "RW" into the catalog number. Example: BRW21-333W. Tee-head sold only with padlock wing.

Padlock Wings - All valves are available with padlock wings (except for Minneapolis Pattern Valve). Add "W" to catalog number.

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number. Example: B21-333R.

Curb Box Base - Catalog number CB-7 for 1-1/4", 1-1/2" and 2" Ball Valve Curb Stops is listed in catalog section GA.

2" Gate Valve Operating Nut is available for 1-1/4", 1-1/2" and 2" Ball Valves and can be ordered from page 38.

Lock Caps are available for 5/8" through 2" Ball Valves and can be ordered from page 38.

Handles are available for Ball Valves; see page 37.

Minneapolis Pattern Valves are available in a variety of sizes. For sizes other than those in the above tables, please contact the factory.

Ford Ball Valve Curb Stops

Ball Valves with Flared Copper

ANSI/NSF Standard 61
see page G-2

B22-333W



Flare Copper Both Ends

CATALOG NUMBER	VALVE SIZE	ONE END	OTHER END	APPROX. LENGTH	APPROX. WT. LBS.
** B22-333	3/4"	3/4"	3/4"	4-1/4"	2.5
B22-343	3/4"	1"	3/4"	4-7/16"	2.8
B22-344	3/4"	1"	1"	4-1/2"	3.8
** B22-444	1"	1"	1"	5-1/16"	3.8
B22-454	1"	1-1/4"	1"	4-7/8"	4.2
B22-455	1"	1-1/4"	1-1/4"	6-1/2"	5.5
B22-555	1-1/4"	1-1/4"	1-1/4"	7-1/8"	7.0
B22-566	1-1/4"	1-1/2"	1-1/2"	7-3/4"	8.5
** B22-666	1-1/2"	1-1/2"	1-1/2"	8-1/4"	10.5
B22-676	1-1/2"	2"	1-1/2"	8-3/4"	12.9
B22-677	1-1/2"	2"	2"	9-1/4"	15.1
** B22-777	2"	2"	2"	8-5/8"	16.9

B22-333M



Flare Copper Both Ends Minneapolis Pattern Valve

CATALOG NUMBER	VALVE SIZE	ONE END	OTHER END	APPROX. LENGTH	APPROX. WT. LBS.
**B22-333M	3/4"	3/4"	3/4"	4-1/4"	2.9
B22-343M	3/4"	1"	3/4"	-	3.1
B22-344M	3/4"	1"	1"	4-1/2"	4.1
**B22-444M	1"	1"	1"	5-1/16"	4.2
B22-454M	1"	1-1/4"	1"	-	4.7
B22-455M	1"	1-1/4"	1-1/4"	6-1/2"	5.6
B22-555M	1-1/4"	1-1/4"	1-1/4"	-	4.2
B22-566M	1-1/4"	1-1/2"	1-1/2"	-	8.2
**B22-666M	1-1/2"	1-1/2"	1-1/2"	8-1/4"	11.0
**B22-777M	2"	2"	2"	8-5/8"	17.4

Options Available

****Stop-and-Waste feature** is available. Add "SW" to the catalog number. Examples: B22-333SW and B22-333SWM.

Reclaimed Water Tee-head is available. Insert "RW" into the catalog number. Example: BRW22-333W. Tee-head sold only with padlock wing.

Padlock Wings - All valves are available with padlock wings (except for Minneapolis Pattern Valve). Add "W" to catalog number.

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number. Example: B22-333R.

Curb Box Base - Catalog number CB-7 for 1-1/4", 1-1/2" and 2" Ball Valve Curb Stops is listed in catalog section GA.

2" Gate Valve Operating Nut is available for 1-1/4", 1-1/2" and 2" Ball Valves and can be ordered from page 38.

Lock Caps are available for 5/8" through 2" Ball Valves and can be ordered from page 38.

Handles are available for Ball Valves; see page 37.

Minneapolis Pattern Valves are available in a variety of sizes. For sizes other than those in the above tables, please contact the factory.

Ford Ball Valve Curb Stops

Ball Valves with Pack Joints

TYPES OF PIPE AND TUBING – EXPLANATION OF ABBREVIATIONS AND CODES FOR COMPRESSION COUPLINGS

Copper Tube - CTS - copper tubing is widely used as a service line and the outside diameter is closely held by manufacturers. The outside diameter of copper tubing has become a standard in the industry and is known as "copper tube size". (Pack Joint coded **CTS**.)

Plastic Tubing - CTS - flexible water service tubing in what is referred to as "copper tube size". Plastic tube refers to *any* plastic with the same outside diameter as corresponding sizes of copper tube such as PET - polyethylene tubing. (Pack Joint coded **CTS**.)

Plastic Pipe - PEP - flexible water service pipe in what is referred to as "pipe size". Plastic pipe refers to *any* pipe having the same inside diameter as corresponding sizes of standard iron pipe such as PEP - polyethylene pipe. (Pack Joint coded **PEP**.)

PVC Pipe - PVC - polyvinyl chloride rigid plastic pipe. PVC pipe refers to polyvinyl chloride rigid plastic pipe having the same outside diameter as corresponding sizes of standard iron pipe. (Pack Joint coded **PVC**.)

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

Abbreviations, dimensions and insert stiffeners for plastic tubing are listed on page 39.

Consult pipe or tubing manufacturer for specific installation requirements.

B41-333



Pack Joint for Copper or Plastic Tubing (CTS) by Female Iron Pipe Thread

CATALOG NUMBER	VALVE SIZE	CTS END	FIP END	APPROX. WT. LBS.
*♦ ** B41-333	3/4"	3/4"	3/4"	2.0
*♦ B41-334	3/4"	3/4"	1"	2.1
*♦ B41-343	3/4"	1"	3/4"	2.2
*♦ B41-344	3/4"	1"	1"	2.4
*♦ BL41-344-4.875	3/4"	1"	1"	3.1
*♦ ** B41-444	1"	1"	1"	2.8
*♦ B41-454	1"	1-1/4"	1"	3.2
*♦ B41-455	1"	1-1/4"	1-1/4"	3.7
*♦ B41-555	1-1/4"	1-1/4"	1-1/4"	5.6
*♦ ** B41-666	1-1/2"	1-1/2"	1-1/2"	7.0
*♦ B41-677	1-1/2"	2"	2"	9.6
*♦ ** B41-777	2"	2"	2"	11.1

B41-333M-G



Pack Joint for Copper or Plastic Tubing (CTS) by Female Iron Pipe Thread Minneapolis Pattern Valve

CATALOG NUMBER	VALVE SIZE	CTS END	FIP END	APPROX. WT. LBS.
*♦ ** B41-333M	3/4"	3/4"	3/4"	2.3
*♦ B41-334M	3/4"	3/4"	1"	2.4
*♦ B41-343M	3/4"	1"	3/4"	2.7
*♦ B41-344M	3/4"	1"	1"	2.8
*♦ ** B41-444M	1"	1"	1"	3.4
*♦ B41-454M	1"	1-1/4"	1"	3.5
*♦ B41-455M	1"	1-1/4"	1-1/4"	4.6
*♦ B41-555M	1-1/4"	1-1/4"	1-1/4"	-
*♦ ** B41-666M	1-1/2"	1-1/2"	1-1/2"	8.4
*♦ B41-677M	1-1/2"	2"	2"	9.8
*♦ ** B41-777M	2"	2"	2"	12.3

Options Available

* **Grip Joint for CTS (3/4" -2") and PEP (3/4" & 1")** is available. Add "-G" to the end of catalog number. Example: B41-333-G.

****Stop-and-Waste feature** is available. Add "SW" to the catalog number. Examples: B41-333SW and B41-333SWM.

♦ **Quick Joint** is available by adding a "-Q" to the end of the catalog number.

Tracer Wire Terminal available on 3/4", 1", 1-1/2" and 2" CTS Quick Joint Nuts, add "-TW-Q" to end of catalog number.

Reclaimed Water Tee-head is available. Insert "RW" into the catalog number. Example: BRW41-333W. Tee-head sold only with padlock wing.

Padlock Wings - All valves are available with padlock wings (except for Minneapolis Pattern Valve). Add "W" to catalog number.

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number. Example: B41-333R.

2" Gate Valve Operating Nut is available for 1-1/4", 1-1/2" and 2" Ball Valves and can be ordered from page 38.

Lock Caps are available for 5/8" through 2" Ball Valves and can be ordered from page 38.

Handles are available for Ball Valves; see page 37.

Minneapolis Pattern Valves are available in a variety of sizes. For sizes other than those in the above tables, please contact the factory.

Ford Ball Valve Curb Stops

Ball Valves with Pack Joints - Continued

ANSI/NSF Standard 61
see page G-2

B51-333



Pack Joint for Iron Pipe by Female Iron Pipe Thread

CATALOG NUMBER	VALVE SIZE	IP END	FIP END	APPROX. WT. LBS.
B51-333	3/4"	3/4"	3/4"	2.2
B51-343	3/4"	1"	3/4"	2.5
B51-344	3/4"	1"	1"	2.7
B51-444	1"	1"	1"	3.3
** B51-666	1-1/2"	1-1/2"	1-1/2"	7.2
** B51-777	2"	2"	2"	11.1

Pack Joint for Iron Pipe by Female Iron Pipe Thread Minneapolis Pattern Valve

CATALOG NUMBER	VALVE SIZE	IP END	FIP END	APPROX. WT. LBS.
B51-333M	3/4"	3/4"	3/4"	2.3
B51-344M	3/4"	1"	1"	3.1
** B51-666M	1-1/2"	1-1/2"	1-1/2"	7.0

B61-333



Pack Joint for Plastic Pipe (PEP) by Female Iron Pipe Thread

CATALOG NUMBER	VALVE SIZE	PEP END	FIP END	APPROX. WT. LBS.
*♦ B61-333	3/4"	3/4"	3/4"	2.3
* B61-343	3/4"	1"	3/4"	2.7
* B61-344	3/4"	1"	1"	2.9
*♦ B61-444	1"	1"	1"	3.5
B61-555	1-1/4"	1-1/4"	1-1/4"	8.7
B61-666-IDR7	1-1/2"	1-1/2"	1-1/2"	9.2
B61-777-IDR7	2"	2"	2"	10.5

B61-333M



Pack Joint for Plastic Pipe (PEP) by Female Iron Pipe Thread Minneapolis Pattern Valve

CATALOG NUMBER	VALVE SIZE	PEP END	FIP END	APPROX. WT. LBS.
* B61-333M	3/4"	3/4"	3/4"	3.0
* B61-344M	3/4"	1"	1"	3.8
*♦ B61-444M	1"	1"	1"	4.4
B61-555M	1-1/4"	1-1/4"	1-1/4"	6.6
B61-666M-IDR7	1-1/2"	1-1/2"	1-1/2"	9.2
B61-777M-IDR7	2"	2"	2"	13.3

B71-333



Pack Joint for PVC Pipe*** by Female Iron Pipe Thread

CATALOG NUMBER	VALVE SIZE	PVC END	FIP END	APPROX. WT. LBS.
B71-333	3/4"	3/4"	3/4"	2.3
B71-343	3/4"	1"	3/4"	2.7
B71-344	3/4"	1"	1"	2.9
B71-444	1"	1"	1"	3.6
B71-555	1-1/4"	1-1/4"	1-1/4"	-
† ** B71-666	1-1/2"	1-1/2"	1-1/2"	7.6
** B71-777	2"	2"	2"	11.8

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

B71-333M



Pack Joint for PVC Pipe*** by Female Iron Pipe Thread Minneapolis Pattern Valve

CATALOG NUMBER	VALVE SIZE	PVC END	FIP END	APPROX. WT. LBS.
B71-333M	3/4"	3/4"	3/4"	2.9
B71-343M	3/4"	1"	3/4"	3.2
B71-444M	1"	1"	1"	4.4
B71-555M	1-1/4"	1-1/4"	1-1/4"	6.9
† ** B71-666M	1-1/2"	1-1/2"	1-1/2"	9.0
** B71-777M	2"	2"	2"	13.3

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

Available options are listed at bottom of the opposite page.

Ford Ball Valve Curb Stops

Ball Valves with Pack Joints - Continued

B44-333-Q



Pack Joint for Copper or Plastic Tubing (CTS) Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	ONE END	OTHER END	
*♦ ** B44-333	3/4"	3/4"	3/4"	2.4
*♦ B44-343	3/4"	1"	3/4"	2.5
*♦ B44-344	3/4"	1"	1"	3.1
*♦ ** B44-444	1"	1"	1"	3.1
* B44-445-Q	1"	1"	1-1/4"	3.7
* B44-455	1"	1-1/4"	1-1/4"	5.0
*♦ B44-555	1-1/4"	1-1/4"	1-1/4"	6.6
*♦ ** B44-666	1-1/2"	1-1/2"	1-1/2"	9.0
* B44-677	1-1/2"	2"	2"	11.1
*♦ ** B44-777	2"	2"	2"	13.8

B44-333M



Pack Joint for Copper or Plastic Tubing (CTS) Both Ends Minneapolis Pattern Valve

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	ONE END	OTHER END	
*♦ ** B44-333M	3/4"	3/4"	3/4"	2.6
*♦ B44-343M	3/4"	1"	3/4"	-
*♦ B44-344M	3/4"	1"	1"	3.2
*♦ ** B44-444M	1"	1"	1"	3.4
* B44-455M	1"	1-1/4"	1-1/4"	5.2
*♦ B44-555M	1-1/4"	1-1/4"	1-1/4"	6.9
*♦ ** B44-666M	1-1/2"	1-1/2"	1-1/2"	9.4
*♦ ** B44-777M	2"	2"	2"	14.1

B55-333



Pack Joint for Iron Pipe Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	ONE END	OTHER END	
B55-333	3/4"	3/4"	3/4"	2.9
B55-444	1"	1"	1"	-
** B55-666	1-1/2"	1-1/2"	1-1/2"	9.5
** B55-777	2"	2"	2"	14.3

Options Available

* **Grip Joint for CTS (3/4" - 2") and PEP (3/4" & 1")** is available. Add "-G" to the end of catalog number. Example: B44-333-G.

** **Stop-and-Waste feature** is available. Add "SW" to the end of the catalog number. Example: B44-333SW.

♦ **Quick Joint** is available by adding a "-Q" to the end of the catalog number.

† Uses Ballcorp style Pack Joint nut.

Tracer Wire Terminal available on 3/4", 1", 1-1/2" and 2" CTS Quick Joint Nuts, add "-TW-Q" to end of catalog number.

Reclaimed Water Tee-head is available. Insert "RW" into the catalog number. Example: BRW44-333W. Tee-head sold only with padlock wing.

Padlock Wings - All valves are available with padlock wings (except for Minneapolis Pattern Valve). Add "W" to catalog number.

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number. Example: B44-333R.

Curb Box Base - Catalog number CB-7 for 1-1/4", 1-1/2" and 2" Ball Valve Curb Stops is listed in catalog section GA.

2" Gate Valve Operating Nut is available for 1-1/4", 1-1/2" and 2" Ball Valves and can be ordered from page 38.

Lock Caps are available for 5/8" through 2" Ball Valves and can be ordered from page 38.

Handles are available for Ball Valves; see page 37.

Minneapolis Pattern Valves are available in a variety of sizes. For sizes other than those in the above tables, please contact the factory.

Ford Ball Valve Curb Stops

Ball Valves with Pack Joints - Continued

ANSI/NSF Standard 61
see page G-2

B66-333



Pack Joint for Plastic Pipe (PEP) Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	ONE END	OTHER END	
*♦ B66-333	3/4"	3/4"	3/4"	3.2
* B66-344	3/4"	1"	1"	4.0
*♦ B66-444	1"	1"	1"	5.0
B66-555	1-1/4"	1-1/4"	1-1/4"	8.0
B66-666-IDR7	1-1/2"	1-1/2"	1-1/2"	13.6
B66-777-IDR7	2"	2"	2"	15.4

B66-333M



Pack Joint for Plastic Pipe (PEP) Both Ends Minneapolis Pattern Valve

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	ONE END	OTHER END	
*♦ B66-333M	3/4"	3/4"	3/4"	3.4
*♦ B66-444M	1"	1"	1"	5.3
B66-666M-IDR7	1-1/2"	1-1/2"	1-1/2"	12.6
B66-777M-IDR7	2"	2"	2"	15.9

B77-333



Pack Joint for PVC Pipe Both Ends***

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	ONE END	OTHER END	
B77-333	3/4"	3/4"	3/4"	3.2
B77-344	3/4"	1"	1"	4.0
B77-444	1"	1"	1"	5.2
† ** B77-666	1-1/2"	1-1/2"	1-1/2"	10.0
** B77-777	2"	2"	2"	16.1

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

B77-333M



Pack Joint for PVC Pipe Both Ends*** Minneapolis Pattern Valve

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	ONE END	OTHER END	
B77-333M	3/4"	3/4"	3/4"	3.4
B77-444M	1"	1"	1"	5.3
† B77-666M	1-1/2"	1-1/2"	1-1/2"	10.6
B77-777M	2"	2"	2"	16.1

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

B46-333



Pack Joint for Copper or Plastic Tubing (CTS) by Pack Joint for Plastic Pipe (PEP)

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	CTS END	PEP END	
* B46-333	3/4"	3/4"	3/4"	2.5
*♦ B46-444	1"	1"	1"	3.7
* B46-666-IDR7	1-1/2"	1-1/2"	1-1/2"	11.6
* B46-777-IDR7	2"	2"	2"	14.6

B47-333



Pack Joint for Copper or Plastic Tubing (CTS) by Pack Joint for PVC Pipe***

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	CTS END	PEP END	
*♦ B47-333	3/4"	3/4"	3/4"	2.6
*♦♦ B47-444	1"	1"	1"	3.8

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

♦♦ Quick Joint for CTS is only available with padlock wing option. Add "W-Q" to the end of the catalog number.

Ford Ball Valve Curb Stops

Ball Valves with Pack Joints - Continued

B84-333



Male Iron Pipe Thread by Pack Joint for Copper or Plastic Tubing (CTS)

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	MIP END	CTS END	
*♦ B84-333	3/4"	3/4"	3/4"	1.9
*♦ B84-444	1"	1"	1"	-
* B84-455	1"	1-1/4"	1-1/4"	4.3
*♦ B84-666	1-1/2"	1-1/2"	1-1/2"	-
* B84-777	2"	2"	2"	-
* B84-788	2"	2-1/2"	2-1/2"	-

B87-334



Male Iron Pipe Thread by Pack Joint for PVC Pipe***

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	PVC END	MIP END	
B87-333	3/4"	3/4"	3/4"	-
B87-334	3/4"	3/4"	1"	3.0
B87-444	1"	1"	1"	4.2
B87-777	2"	2"	2"	-

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

B62-333



Pack Joint for Plastic Pipe (PEP) by Flare Copper

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	PEP END	FLARE END	
* B62-333	3/4"	3/4"	3/4"	2.6
* B62-444	1"	1"	1"	4.0
** B62-666-IDR7	1-1/2"	1-1/2"	1-1/2"	12.6
** B62-777-IDR7	2"	2"	2"	16.0

B24-334



Flare Copper by Pack Joint for Copper or Plastic Tubing (CTS)

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	FLARE END	CTS END	
* B24-334	3/4"	3/4"	1"	2.5
*♦ B24-444	1"	1"	1"	3.5

Options Available

* **Grip Joint for CTS (3/4" - 2") and PEP (3/4" & 1")** is available. Add "-G" to the end of catalog number. Example: B84-333-G.

** **Stop-and-Waste feature** is available. Add "SW" to the end of the catalog number. Example: B62-666SW-IDR7. (Stop and Waste available on flare side only.)

♦ **Quick Joint** is available by adding a "-Q" to the end of the catalog number.

† Uses Ballcorp style Pack Joint.

Tracer Wire Terminal available on 3/4", 1", 1-1/2" and 2" CTS Quick Joint Nuts, add "-TW-Q" to end of catalog number.

Reclaimed Water Tee-head is available. Insert "RW" into the catalog number. Example: BRW84-333W. Tee-head sold only with padlock wing.

Padlock Wings - All valves are available with padlock wings (except for Minneapolis Pattern Valve). Add "W" to catalog number.

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number. Example: B84-333R.

Curb Box Base - Catalog number CB-7 for 1-1/4", 1-1/2" and 2" Ball Valve Curb Stops is listed in catalog section GA.

2" Gate Valve Operating Nut is available for 1-1/4", 1-1/2" and 2" Ball Valves and can be ordered from page 38.

Lock Caps are available for 5/8" through 2" Ball Valves and can be ordered from page 38.

Handles are available for Ball Valves; see page 37.

Minneapolis Pattern Valves are available in a variety of sizes. For sizes other than those in the above tables, please contact the factory.

Ford "BH" Ball Valves

ANSI/NSF Standard 61
see page G-2

BH Ball Valves have a full 5/8" round water passage with excellent flow characteristics. Designed for use as a curb stop, the BH valve is strong and rugged, offering a fine replacement for inverted key and plug style valves.

BH11-233



Female Iron Pipe Thread Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. LENGTH	APPROX. WT. LBS.
	VALVE SIZE	ONE END	OTHER END		
BH11-211	5/8"	1/2"	1/2"	2-15/16"	1.4
BH11-231	5/8"	3/4"	1/2"	2-15/16"	1.4
BH11-233	5/8"	3/4"	3/4"	2-15/16"	1.3

BH21-233



Flare Copper by Female Iron Pipe Thread

CATALOG NUMBER	VALVE SIZE	DESCRIPTION		APPROX. LENGTH	APPROX. WT. LBS.
		FLARE END	FIP END		
BH21-231	5/8"	3/4"	1/2"	3-9/16"	1.7
BH21-233	5/8"	3/4"	3/4"	3-9/16"	1.7
BH21-233M	5/8"	3/4"	3/4"	3-9/16"	2.0

NOTE: Length of valve for flare copper is measured less the copper tube nut.

BH22-233



Flare Copper Both Ends

CATALOG NUMBER	VALVE SIZE	DESCRIPTION		APPROX. LENGTH	APPROX. WT. LBS.
		ONE END	OTHER END		
BH22-233	5/8"	3/4"	3/4"	4-9/16"	2.3
BH22-233M	5/8"	3/4"	3/4"	4-9/16"	2.5

NOTE: Length of valve for flare copper is measured less the copper tube nut.

BH41-233



Pack Joint for Copper or Plastic Tubing (CTS) by Female Iron Pipe Thread

CATALOG NUMBER	VALVE SIZE	DESCRIPTION		APPROX. WT. LBS.
		CTS END	FIP END	
* BH41-231	5/8"	3/4"	1/2"	1.6
*♦ BH41-233	5/8"	3/4"	3/4"	1.7
* BH41-233M	5/8"	3/4"	3/4"	1.9

BH44-233



Pack Joint for Copper or Plastic Tubing (CTS) Both Ends

CATALOG NUMBER	VALVE SIZE	DESCRIPTION		APPROX. WT. LBS.
		ONE END	OTHER END	
*♦ BH44-233	5/8"	3/4"	3/4"	2.1
* BH44-233M	5/8"	3/4"	3/4"	2.3

BH64-233



Pack Joint for PE Pipe by Pack Joint for Copper or Plastic Tubing (CTS)

CATALOG NUMBER	VALVE SIZE	DESCRIPTION		APPROX. WT. LBS.
		INLET SIZE	OUTLET SIZE	
* BH64-233	5/8"	3/4"	3/4"	2.2

NOTE: Padlock Wing option is **not** available on BH Style Ball Valves.

Options Available

* **Grip Joint for CTS (3/4" - 2") and PEP (3/4" & 1")** is available. Add "-G" to the end of the catalog number. Example: BH44-233-G.

♦ **Quick Joint** is available by adding a "-Q" to the end of the catalog number.

Tracer Wire Terminal available on 3/4", 1", 1-1/2" and 2" CTS Quick Joint Nuts, add "-TW-Q" to end of catalog number.

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number. Example: BH44-233R.

Lock Caps are available for 5/8" through 3/4" Ball Valves and can be ordered from page 38.

Handles are available for Ball Valves; see page 37.

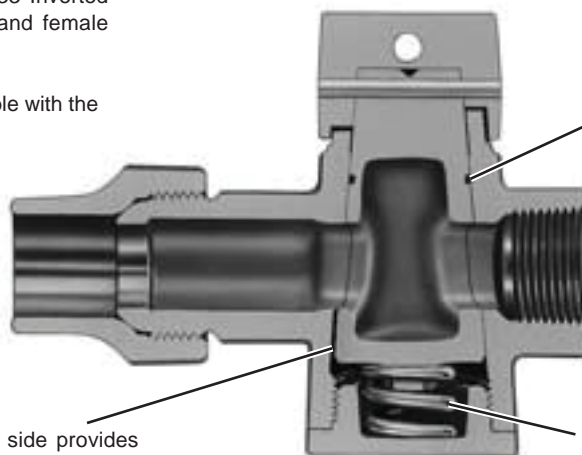
Minneapolis Pattern Valves are available in a variety of sizes. For sizes other than those listed, please contact the factory.

Ford Inverted Key Curb Stops

Features of the Ford Inverted Key Valve

The photo at right shows a Z21-333 Inverted Key Valve with flare copper inlet and female iron pipe outlet.

Inverted Key Curb Stops are available with the Stop-and-Waste feature.



A Buna-N rubber O-ring near the top of the inverted key offers extra protection against leaks.

A water passage on the inlet side provides upward pressure on the key, helping to hold it in the proper position.

A bronze coil spring exerts a constant upward force on the bottom of the key. If the tee-head requires tapping to free a stuck key, the spring automatically reseats the key in a watertight position.

Curb Stops with Female Iron Pipe Threads and Flare Copper Ends

Z11-333



1/2" Solid Tee Head Plug Valve Curb Stops

CATALOG NUMBER	DESCRIPTION			APPROX. LENGTH	APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE & TYPE	OUTLET SIZE & TYPE		
ZX11-111	1/2"	1/2" FIP	1/2" FIP	2-1/2"	.7
ZX22-111	1/2"	1/2" Flare Copper	1/2" Flare Copper	3-1/8"	1.0

NOTE: ZX style valves are plug-style rather than inverted key style.

Female Iron Pipe Thread Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. LENGTH	APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
** Z11-333	3/4"	3/4"	3/4"	3-5/16"	2.1
** ZS11-333	3/4"	3/4"	3/4"	2-7/8"	2.0
** ZL11-333	3/4"	3/4"	3/4"	3-3/4"	2.3
** Z11-444	1"	1"	1"	4-7/8"	3.6

Options Available

** **Stop-and-Waste feature** is available. Add "SW" to the end of the catalog number. Example: Z11-333SW. (Note: Stop and Waste feature drains the outlet side of the valve.)

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number. Example: Z11-333R.

Ford Inverted Key Curb Stops

ANSI/NSF Standard 61
see page G-2

Curb Stops with Female Iron Pipe Threads and Flare Copper Ends - Continued

Z21-333



Flare Copper by Female Iron Pipe Thread

CATALOG NUMBER	DESCRIPTION			APPROX. LENGTH	APPROX. WT. LBS.
	VALVE SIZE	FLARE SIZE	FIP SIZE		
** Z21-333	3/4"	3/4"	3/4"	4-1/16"	2.5
** Z21-444	1"	1"	1"	5-3/4"	4.2

NOTE: Stop-and-Waste feature drains the FIP side of valve.

NOTE: Length of valve for flare copper is measured less the copper tube nut.

Z21-333M



Flare Copper by Female Iron Pipe Thread Minneapolis Pattern Valve

CATALOG NUMBER	DESCRIPTION			APPROX. LENGTH	APPROX. WT. LBS.
	VALVE SIZE	FLARE SIZE	FIP SIZE		
Z21-333M	3/4"	3/4"	3/4"	4-1/16"	2.5
Z21-444M	1"	1"	1"	5-3/4"	4.3

NOTE: Minneapolis Pattern Curb Box threads for Inverted Key Curb Stops are 1-1/2" for 3/4" valves and 2" for 1" valves.

Z22-333



Flare Copper Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE	
** Z22-111	1/2"	1/2"	1/2"	1.5
** Z22-322	3/4"	5/8"	5/8"	2.7
** Z22-333	3/4"	3/4"	3/4"	2.9
** Z22-444	1"	1"	1"	4.6

Z22-333M



Flare Copper Both Ends Minneapolis Pattern Valve

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE	
** Z22-333M	3/4"	3/4"	3/4"	2.9
** Z22-444M	1"	1"	1"	4.8

NOTE: Minneapolis Pattern Curb Box threads for Inverted Key Curb Stops are 1-1/2" for 3/4" valves and 2" for 1" valves.

Options Available

** **Stop-and-Waste feature** is available. Add "SW" to the end of the catalog number. Examples: Z22-333SW and Z22-444SWM. (Note: Stop and Waste feature drains the outlet side of the valve.)

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number. Example: Z21-333R.

Minneapolis Pattern Valves are available in a variety of sizes. For sizes other than those in the above tables, please contact the factory.

Ford Inverted Key Curb Stops

Curb Stops with Pack Joints

TYPES OF PIPE AND TUBING – EXPLANATION OF ABBREVIATIONS AND CODES FOR COMPRESSION COUPLINGS

Copper Tube - CTS - copper tubing is widely used as a service line and the outside diameter is closely held by manufacturers. The outside diameter of copper tubing has become a standard in the industry and is known as "copper tube size". (Pack Joint coded **CTS**.)

Plastic Tubing - CTS - flexible water service tubing in what is referred to as "copper tube size". Plastic tube refers to *any* plastic with the same outside diameter as corresponding sizes of copper tube such as PET - polyethylene tubing. (Pack Joint coded **CTS**.)

Plastic Pipe - PEP - flexible water service pipe in what is referred to as "pipe size". Plastic pipe refers to *any* pipe having the same inside diameter as corresponding sizes of standard iron pipe such as PEP - polyethylene pipe. (Pack Joint coded **PEP**.)

PVC Pipe - PVC - polyvinyl chloride rigid plastic pipe. PVC pipe refers to polyvinyl chloride rigid plastic pipe having the same outside diameter as corresponding sizes of standard iron pipe. (Pack Joint coded **PVC**.)

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

Abbreviations, dimensions and insert stiffeners for plastic tubing are listed on page 39.

Consult pipe or tubing manufacturer for specific installation requirements.

Pack Joint for Copper or Plastic Tubing (CTS) by Female Iron Pipe Thread

Z41-333



CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	CTS SIZE	FIP SIZE	
* Z41-333	3/4"	3/4"	3/4"	2.4
* Z41-444	1"	1"	1"	3.9

Pack Joint for Copper or Plastic Tubing (CTS) by Female Iron Pipe Thread Minneapolis Pattern Valve

Z41-333M



CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	CTS SIZE	FIP SIZE	
* Z41-333M	3/4"	3/4"	3/4"	2.5
* Z41-444M	1"	1"	1"	4.2

NOTE: Minneapolis Pattern Curb Box threads for Inverted Key Curb Stops are 1-1/2" for 3/4" valves and 2" for 1" valves.

Pack Joint for Plastic Pipe (PEP) by Female Iron Pipe Thread

Z61-333



CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	PEP SIZE	FIP SIZE	
* Z61-333	3/4"	3/4"	3/4"	2.5
*♦ Z61-444	1"	1"	1"	4.3

Pack Joint for Plastic Pipe (PEP) by Female Iron Pipe Thread Stop and Waste feature

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	PEP SIZE	FIP SIZE	
* Z61-333SW	3/4"	3/4"	3/4"	2.5
* Z61-444SW	1"	1"	1"	4.3

NOTE: Stop-and-waste feature drains the FIP

Options Available

** **Stop-and-Waste feature** is available. Add "SW" to the end of the catalog number. Example: Z41-333SW. (Note: Stop and Waste feature drains the outlet side of the valve.)

* **Grip Joint for CTS (3/4" - 2") and PEP (3/4" & 1")** is available. Add "-G" to the end of the catalog number. Example: Z61-333G.

♦ **Quick Joint** is available by adding a "-Q" to the end of the catalog number.

Tracer Wire Terminal available on 1" CTS Quick Joint Nuts, add "-TW-Q" to end of catalog number.

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number. Example: Z41-333R.

Minneapolis Pattern Valves are available in a variety of sizes. For sizes other than those in the above table, please contact the factory.

See page 5 for specific details on above options.

Ford Inverted Key Curb Stops

Curb Stops with Pack Joints - Continued

ANSI/NSF Standard 61
see page G-2

Z44-333



Pack Joint for Copper or Plastic Tubing (CTS) Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE	
*♦ **Z44-111	1/2"	1/2"	1/2"	1.6
*♦ **Z44-322	3/4"	5/8"	5/8"	2.9
*♦ **Z44-333	3/4"	3/4"	3/4"	2.8
*♦ **Z44-444	1"	1"	1"	4.0

Z44-333M



Pack Joint for Copper or Plastic Tubing (CTS) Both Ends Minneapolis Pattern Valve

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE	
* **Z44-333M	3/4"	3/4"	3/4"	2.8
* **Z44-444M	1"	1"	1"	4.7

NOTE: Minneapolis Pattern Curb Box threads for Inverted Key Curb Stops are 1-1/2" for 3/4" valves and 2" for 1" valves.

Z66-333



Pack Joint for Plastic Pipe (PEP) Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE	
* **Z66-333	3/4"	3/4"	3/4"	3.0
* **Z66-444	1"	1"	1"	5.1

Z77-333



Pack Joint for PVC*** Pipe Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE	
**Z77-333	3/4"	3/4"	3/4"	2.9
**Z77-444	1"	1"	1"	5.1

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

Options Available

** **Stop-and-Waste feature** is available. Add "SW" to the end of the catalog number. Example: Z44-333SW and Z44-444SWM. (Note: Stop and Waste feature drains the outlet side of the valve.)

* **Grip Joint for CTS (3/4" - 2") and PEP (3/4" & 1")** is available. Add "-G" to the end of the catalog number. Example: Z44-333-G.

♦ **Quick Joint** is available by adding a "-Q" to the end of the catalog number.

Tracer Wire Terminal available on 1" CTS Quick Joint Nuts, add "-TW-Q" to end of catalog number.

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number. Example: Z44-333R.

Minneapolis Pattern Valves are available in a variety of sizes. For sizes other than those in the above table, please contact the factory.

See page 5 for specific details on above options.

Ford Ball Meter Valves

Straight Ball Meter Valves by FIP, MIP and Flared Copper

TYPES OF PIPE AND TUBING – EXPLANATION OF ABBREVIATIONS AND CODES FOR COMPRESSION COUPLINGS

Copper Tube - CTS - copper tubing is widely used as a service line and the outside diameter is closely held by manufacturers. The outside diameter of copper tubing has become a standard in the industry and is known as "copper tube size". (Pack Joint coded **CTS**.)

Plastic Tubing - CTS - flexible water service tubing in what is referred to as "copper tube size". Plastic tube refers to *any* plastic with the same outside diameter as corresponding sizes of copper tube such as PET - polyethylene tubing. (Pack Joint coded **CTS**.)

Plastic Pipe - PEP - flexible water service pipe in what is referred to as "pipe size". Plastic pipe refers to *any* pipe having the same inside diameter as corresponding sizes of standard iron pipe such as PEP - polyethylene pipe. (Pack Joint coded **PEP**.)

PVC Pipe - PVC - polyvinyl chloride rigid plastic pipe. PVC pipe refers to polyvinyl chloride rigid plastic pipe having the same outside diameter as corresponding sizes of standard iron pipe. (Pack Joint coded **PVC**.)

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

Abbreviations, dimensions and insert stiffeners for plastic tubing are listed on page 39.

Consult pipe or tubing manufacturer for specific installation requirements.

B13-332W



Female Iron Pipe Thread by Meter Swivel Nut

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
B13-211W	5/8"	1/2"	5/8"	1.2
B13-212W	5/8"	1/2"	5/8"x3/4" & 3/4"	1.2
B13-231W	5/8"	3/4"	5/8"	1.2
B13-232W	5/8"	3/4"	5/8"x3/4" & 3/4"	1.3
B13-232WW	5/8"	3/4"	5/8"x3/4" & 3/4"	1.3
B13-331W	3/4"	3/4"	5/8"	1.9
B13-332W	3/4"	3/4"	5/8"x3/4" & 3/4"	2.0
B13-341W	3/4"	1"	5/8"	2.1
B13-342W	3/4"	1"	5/8"x3/4" & 3/4"	2.2
B13-344W	3/4"	1"	1"	2.4
B13-444W	1"	1"	1"	2.8
B13-454W	1"	1-1/4"	1"	3.1

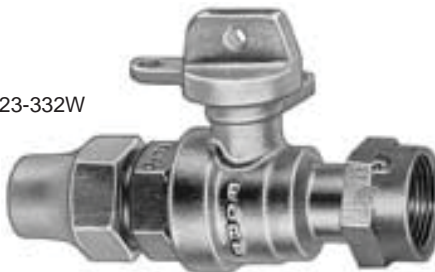
B83-332W



Male Iron Pipe Thread by Meter Swivel Nut

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
B83-231W	5/8"	3/4"	5/8"	-
B83-232W	5/8"	3/4"	5/8"x3/4" & 3/4"	-
B83-332W	3/4"	3/4"	5/8"x3/4" & 3/4"	-
B83-444W	1"	1"	1"	-

B23-332W



Flare Copper by Meter Swivel Nut

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
B23-231W	5/8"	3/4"	5/8"	1.7
B23-232W	5/8"	3/4"	5/8"x3/4" & 3/4"	1.8
B23-331W	3/4"	3/4"	5/8"	2.2
B23-332W	3/4"	3/4"	5/8"x3/4" & 3/4"	2.8
B23-341W	3/4"	1"	5/8"	3.2
B23-342W	3/4"	1"	5/8"x3/4" & 3/4"	2.8
B23-344W	3/4"	1"	1"	3.3
B23-444W	1"	1"	1"	3.5
B23-454W	1"	1-1/4"	1"	5.4

NOTE: Stop-and-waste feature drains the FIP side of valve.

Options Available

Reclaimed Water Tee-head is available on 3/4" and 1" Ball Valves, insert "RW" into the catalog number. Example: BRW13-332W. Tee-head sold only with padlock wing.

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to the catalog number. Example: B13-332WR.

Lock Caps are available for 5/8" through 1" Ball Valves and can be ordered from page 38.

Handles are available for Ball Valves; see page 37.

▼ "WW" indicates double padlock wings for locking in either on or off position.

Ford Ball Meter Valves

Straight Ball Meter Valves with Pack Joints

ANSI/NSF Standard 61
see page G-2

Pack Joint for Copper or Plastic Tubing (CTS) Inlet by Meter Swivel Nut



B43-332W-G



B53-232W



B63-332W



B73-332W

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
B43-211W	5/8"	1/2"	5/8"	1.4
B43-212W	5/8"	1/2"	5/8"x3/4" & 3/4"	1.5
*♦ B43-231W	5/8"	3/4"	5/8"	1.6
*♦ B43-232W	5/8"	3/4"	5/8"x3/4" & 3/4"	1.7
* B43-331W	3/4"	3/4"	5/8"	2.1
*♦ B43-332W	3/4"	3/4"	5/8"x3/4" & 3/4"	2.4
*♦ B43-334W	3/4"	3/4"	1"	2.3
* B43-341W	3/4"	1"	5/8"	2.7
*♦ B43-342W	3/4"	1"	5/8"x3/4" & 3/4"	2.4
*♦ B43-344W	3/4"	1"	1"	2.7
*♦ B43-444W	1"	1"	1"	3.2
* B43-454W	1"	1-1/4"	1"	3.4

Pack Joint for Iron Pipe by Meter Swivel Nut

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
B53-212W	5/8"	1/2"	5/8"x3/4" & 3/4"	1.6
B53-232W	5/8"	3/4"	5/8"x3/4" & 3/4"	1.7
B53-332W	3/4"	3/4"	5/8"x3/4" & 3/4"	2.4

Pack Joint for Plastic Pipe (PEP) by Meter Swivel Nut

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
* B63-231W	5/8"	3/4"	5/8"	1.8
*♦ B63-232W	5/8"	3/4"	5/8"x3/4" & 3/4"	1.8
* B63-331W	3/4"	3/4"	5/8"	2.3
*♦ B63-332W	3/4"	3/4"	5/8"x3/4" & 3/4"	2.5
* B63-342W	3/4"	1"	5/8"x3/4" & 3/4"	3.0
* B63-344W	3/4"	1"	1"	3.4
*♦ B63-444W	1"	1"	1"	3.8

Pack Joint for PVC*** Pipe by Meter Swivel

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
B73-231W	5/8"	3/4"	5/8"	1.8
B73-232W	5/8"	3/4"	5/8"x3/4" & 3/4"	1.8
B73-331W	3/4"	3/4"	5/8"	2.1
B73-332W	3/4"	3/4"	5/8"x3/4" & 3/4"	2.6
B73-342W	3/4"	1"	5/8"x3/4" & 3/4"	-
B73-344W	3/4"	1"	1"	3.4
B73-444W	1"	1"	1"	3.8

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

NOTE: "W" indicates valve is standard with padlock wings *only*.

Options Available

* **Grip Joint for CTS (3/4" - 2") and PEP (3/4" & 1")** is available. Add "-G" to the end of the catalog number. Example: B63-332W-G.

♦ **Quick Joint** is available by adding a "-Q" to the end of the catalog number.

Reclaimed Water Tee-head is available on 3/4" and 1" Ball Valves, insert "RW" into the catalog number. Example: BRW63-332W. Tee-head sold only with padlock wing.

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to the catalog number. Example: B63-332WR.

Lock Caps are available for 5/8" through 2" Ball Valves and can be ordered from page 38.

Handles are available for Ball Valves; see page 37.

Ford Ball Meter Valves

Straight Ball Flanged Meter Valves - for 1-1/2" and 2" Meters

BF13-777W



Female Iron Pipe Thread by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
BF13-666W	1-1/2"	1-1/2"	1-1/2"	7.8
BF13-676W	1-1/2"	2"	1-1/2"	8.3
BF13-777W	2"	2"	1-1/2" or 2"	10.3
BF13-787W	2"	2-1/2"	1-1/2" or 2"	10.6

BF83-777



Male Iron Pipe Thread by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
BF83-666W	1-1/2"	1-1/2"	1-1/2"	8.1
BF83-777W	2"	2"	1-1/2" or 2"	10.6

BF23-777W



Flare Copper by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
BF23-666W	1-1/2"	1-1/2"	1-1/2"	9.7
BF23-676W	1-1/2"	2"	1-1/2"	11.8
BF23-777W	2"	2"	1-1/2" or 2"	13.6

BF43-777W



Pack Joint for Copper or Plastic Tubing (CTS)
by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
*♦ BF43-666W	1-1/2"	1-1/2"	1-1/2"	8.9
* BF43-676W	1-1/2"	2"	1-1/2"	9.8
*♦ BF43-777W	2"	2"	1-1/2" or 2"	12.2
* BF43-787W	2"	2-1/2"	1-1/2" or 2"	12.8

Standard features include: Flat drop-in gaskets for 1-1/2" and 2" flanged valves. Slotted holes are standard on 2" Flanged Valves, adapting them for connection to either 1-1/2" or 2" flanged meters.

NOTE: "W" indicates valve is standard with padlock wings *only*.

Options Available

* **Grip Joint for CTS (3/4" - 2") and PEP (3/4" & 1")** is available. Add "-G" to the end of the catalog number. Example: BF43-666W-G.

♦ **Quick Joint** is available by adding a "-Q" to the end of the catalog number.

Reclaimed Water Tee-head is available. Insert "RW" into the catalog number. Example: BFRW43-666W. Tee-head sold only with padlock wing.

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number. Example: BF13-666WR.

Steel Bolts and Nuts (5/8"x2-1/2", zinc plated) for attaching 1-1/2" and 2" valves to meters are available, but must be ordered separately. Steel bolt catalog number: PSB

2" Gate Valve Operating Nut is available for 1-1/4" through 2" Ball Valves and can be ordered from page 38.

Lock Caps are available for 5/8" through 2" Ball Valves and can be ordered from page 38.

Handles are available for Ball Valves; see page 37.

Meter Support Brackets to support the meter during installation are available on flanged valves at additional cost. ADD "MSB" to the catalog number. Example: BF13-666W-MSB.

See page 5 for specific details on above options.

Ford Ball Meter Valves

ANSI/NSF Standard 61
see page G-2

Straight Ball Flanged Meter Valves - for 1-1/2" and 2" Meters - Continued

BF53-777W



Pack Joint for Iron Pipe by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
BF53-666W	1-1/2"	1-1/2"	1-1/2"	9.1
BF53-777W	2"	2"	1-1/2" or 2"	12.3

BF63-777W



Pack Joint for Plastic Pipe (PEP) by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
BF63-666W-IDR7	1-1/2"	1-1/2"	1-1/2"	11.4
BF63-777W-IDR7	2"	2"	1-1/2" or 2"	12.9

BF73-777W



Pack Joint for PVC*** Pipe by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
BF73-666W	1-1/2"	1-1/2"	1-1/2"	9.5
BF73-777W	2"	2"	1-1/2" or 2"	13.3

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

Standard features include: Flat drop-in gaskets for 1-1/2" and 2" flanged valves. Slotted holes are standard on 2" Flanged Valves, adapting them for connection to either 1-1/2" or 2" flanged meters.

NOTE: "W" indicates valve is standard with padlock wings *only*.

Options Available

Reclaimed Water Tee-head for Ball Valves is available. Insert "RW" into the catalog number. Example: BFRW53-666W. Tee-head sold only with padlock wing.

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number. Example: BF53-666WR.

2" Gate Valve Operating Nut is available for 1-1/4" through 2" Ball Valves and can be ordered from page 38.

Lock Caps are available for 5/8" through 2" Ball Valves and can be ordered from page 38.

Handles are available for Ball Valves; see page 37.

Meter Support Brackets to support the meter during installation are available on flanged valves at additional cost. Add "MSB" to the catalog number. Example: BF53-777W-MSB.

Straight Compression Globe Meter Valves

Female Iron Pipe Thread by Meter Swivel Nut

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
SG13-331	3/4"	3/4"	5/8"	1.6
SG13-332	3/4"	3/4"	5/8"x3/4" & 3/4"	1.6
SG13-444	1"	1"	1"	2.4

SG13-332



Flare Copper by Meter Swivel Nut

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
SG23-331	3/4"	3/4"	5/8"	1.9
SG23-332	3/4"	3/4"	5/8"x3/4" & 3/4"	1.9

Pack Joint for Copper or Plastic Tubing (CTS) by Meter Swivel Nut

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
* SG43-332	3/4"	3/4"	5/8"	1.9

* Grip Joint for CTS is available. Add "-G" to end of catalog number.

Ford Angle Ball Meter Valves

Female Iron Pipe Thread Inlet by Meter Swivel Nut Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE	METER SIZE OUTLET	
BA13-231W	5/8"	3/4"	5/8"	1.2
BA13-232W	5/8"	3/4"	5/8"x3/4" & 3/4"	1.3
▼ BA13-232WW	5/8"	3/4"	5/8"x3/4" & 3/4"	1.4
BA13-331W	3/4"	3/4"	5/8"	1.9
BA13-332W	3/4"	3/4"	5/8"x3/4" & 3/4"	2.0
▼ BA13-332WW	3/4"	3/4"	5/8"x3/4" & 3/4"	2.1
BA13-334W	3/4"	3/4"	1"	2.1
BA13-341W	3/4"	1"	5/8"	2.3
BA13-342W	3/4"	1"	5/8"x3/4" & 3/4"	2.3
BA13-344W	3/4"	1"	1"	2.4
BA13-444W	1"	1"	1"	3.1
▼ BA13-444WW	1"	1"	1"	3.2

BA13-232W

ANSI/NSF Standard 61
see page G-2

BA23-332W

BA43-232W

BA63-232W

Flare Copper Inlet by Meter Swivel Nut Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE	METER SIZE OUTLET	
BA23-231W	5/8"	3/4"	5/8"	1.6
BA23-232W	5/8"	3/4"	5/8"x3/4" & 3/4"	1.7
BA23-241W	5/8"	1"	5/8"	2.0
BA23-242W	5/8"	1"	5/8"x3/4" & 3/4"	2.0
BA23-331W	3/4"	3/4"	5/8"	2.2
BA23-332W	3/4"	3/4"	5/8"x3/4" & 3/4"	2.3
BA23-334W	3/4"	3/4"	1"	2.7
BA23-341W	3/4"	1"	5/8"	2.6
BA23-342W	3/4"	1"	5/8"x3/4" & 3/4"	2.7
BA23-344W	3/4"	1"	1"	2.8
BA23-444W	1"	1"	1"	3.8

Pack Joint for Copper or Plastic Tubing (CTS) Inlet by Meter Swivel Nut Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE	METER SIZE OUTLET	
*♦ BA43-231W	5/8"	3/4"	5/8"	1.5
*♦ BA43-232W	5/8"	3/4"	5/8"x3/4" & 3/4"	1.6
*♦ BA43-241W	5/8"	1"	5/8"	1.6
*♦ BA43-242W	5/8"	1"	5/8"x3/4" & 3/4"	1.7
*♦ BA43-331W	3/4"	3/4"	5/8"	2.1
*♦ BA43-332W	3/4"	3/4"	5/8"x3/4" & 3/4"	2.2
*♦ BA43-334W	3/4"	3/4"	1"	2.4
*♦ BA43-341W	3/4"	1"	5/8"	—
*♦ BA43-342W	3/4"	1"	5/8"x3/4" & 3/4"	2.4
*♦ BA43-344W	3/4"	1"	1"	2.5
*♦ BA43-444W	1"	1"	1"	3.4

Pack Joint for Plastic Pipe (PEP) Inlet by Meter Swivel Nut Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE	METER SIZE OUTLET	
* BA63-231W	5/8"	3/4"	5/8"	1.6
* BA63-232W	5/8"	3/4"	5/8"x3/4" & 3/4"	1.7
*♦ BA63-332W	3/4"	3/4"	5/8"x3/4" & 3/4"	2.5
*♦ BA63-342W	3/4"	1"	5/8"x3/4" & 3/4"	3.0
*♦ BA63-444W	1"	1"	1"	4.0

Pack Joint for PVC*** Inlet by Meter Swivel Nut Outlet

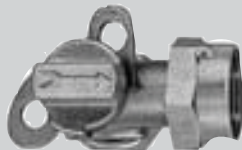
CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE	METER SIZE OUTLET	
BA73-232W	5/8"	3/4"	5/8"x3/4" & 3/4"	-

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

Padlock Wings on Angle Meter Valves

Inverted Key Meter Valves and Ball Meter Valves include padlock wings for locking the valve in a closed position. The "W" at the end of the catalog number indicates the valve is standard with padlock wings.

Top view of the valve in the open position. Padlock holes are normally 7/16"



Options Available

* **Grip Joint for CTS (3/4" - 2") and PEP (3/4" & 1")** is available. Add "-G" to the end of the catalog number. Example: BA63-332W-G.

♦ **Quick Joint** is available by adding a "-Q" to the end of the catalog number.

Handles are available for Ball Valves; see page 37.

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number.

Example: BA13-332WR.

Reclaimed Water Tee-head is available on 3/4" and 1" Ball Valves. Insert "RW" into the catalog number. Example: BARW63-332W. Tee-head sold only with padlock wing.

Ford Angle Ball Flanged Meter Valves

For 1-1/2" and 2" Meters

ANSI/NSF Standard 61
see page G-2



Female Iron Pipe Thread by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	METER SIZE OUTLET	
BFA13-666W	1-1/2"	1-1/2"	1-1/2"	8.3
BFA13-777W	2"	2"	1-1/2" and 2"	11.2

Flare Copper by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	METER SIZE OUTLET	
BFA23-666W	1-1/2"	1-1/2"	1-1/2"	9.5
BFA23-777W	2"	2"	1-1/2" and 2"	14.6

Pack Joint for Copper or Plastic Tube by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	METER SIZE OUTLET	
*♦ BFA43-666W	1-1/2"	1-1/2"	1-1/2"	9.0
*♦ BFA43-777W	2"	2"	1-1/2" and 2"	14.9

1-1/2" and 2" Angle Ball Meter Valves are suitable for a customer side shut off (outlet side of meter) up to 150 PSI.

Standard features include: Flat drop-in gaskets for 1-1/2" and 2" flanged valves. Slotted holes are standard on 2" Flanged Angle Valves, adapting them for connection to either 1-1/2" or 2" flanged meters.

Options Available

* **Grip Joint** for CTS is available. Add "-G" to end of catalog number.

♦ **Quick Joint** is available by adding a "-Q" to the end of the catalog number.

Handles are available for Ball Valves; see page 37.

For Reclaimed Water Tee-head for Ball Valves, insert "RW" into the catalog number. Example: BFARW43-666W. Tee-head sold only with padlock wing.

Meter Support Brackets to support the meter during installation are available on flanged valves at additional cost.

Add "MSB" to the catalog number. Example: BFA43-777W-MSB.

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number.

Example: BFA13-777WR.

Steel Bolts and Nuts (5/8"x2-1/2", zinc plated) for attaching 1-1/2" and 2" valves to meters are available, but must be ordered separately. Steel bolt catalog number: PSB

2" Gate Valve Operating Nut is available for 1-1/4" through 2" Ball Valves and can be ordered from page 38.

See page 5 for specific details on above options.

Angle Compression Globe Meter Valves



Female Iron Pipe Thread by Meter Swivel Nut

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
GA13-331	3/4"	3/4"	5/8"	1.4
GA13-332	3/4"	3/4"	5/8"x3/4" & 3/4"	1.5
GA13-444	1"	1"	1"	2.1

Flare Copper by Meter Swivel Nut

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
GA23-331	3/4"	3/4"	5/8"	1.7
GA23-332	3/4"	3/4"	5/8"x3/4" & 3/4"	1.8

Pack Joint for Copper or Plastic Tubing (CTS) by Meter Swivel Nut

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
* GA43-331	3/4"	3/4"	5/8"	1.8
* GA43-332	3/4"	3/4"	5/8"x3/4" & 3/4"	1.8

Options Available

* **Grip Joint for CTS (3/4" - 2")** is available. Add "-G" to the end of the catalog number. Example: GA43-332-G.

Angle Inverted Key Meter Valves



KV13-332W

Female Iron Pipe Thread by Meter Swivel Nut

CATALOG NUMBER	VALVE SIZE	SERVICE LINE	METER SIZE	APPROX. WT. LBS.
KV13-331W	3/4"	3/4"	5/8"	1.2
KV13-332W	3/4"	3/4"	5/8"x3/4" & 3/4"	1.3
KV13-342W	3/4"	1"	5/8"x3/4" & 3/4"	1.4
KV13-444W	1"	1"	1"	1.9
KV13-454W	1"	1-1/4"	1"	2.1



KV23-332W

Flare Copper by Meter Swivel Nut

CATALOG NUMBER	VALVE SIZE	SERVICE LINE	METER SIZE	APPROX. WT. LBS.
KV23-331W	3/4"	3/4"	5/8"	1.6
KV23-341W	3/4"	1"	5/8"	1.7
KV23-332W	3/4"	3/4"	5/8"x3/4" & 3/4"	1.6
KV23-342W	3/4"	1"	5/8"x3/4" & 3/4"	1.9
KV23-444W	1"	1"	1"	2.4
KV23-454W	1"	1-1/4"	1"	2.9



KV43-332W

Pack Joint for Copper or Plastic Tubing (CTS) by Meter Swivel Nut

CATALOG NUMBER	VALVE SIZE	SERVICE LINE	METER SIZE	APPROX. WT. LBS.
* KV43-331W	3/4"	3/4"	5/8"	1.4
* KV43-341W	3/4"	1"	5/8"	1.4
*♦ KV43-332W	3/4"	3/4"	5/8"x3/4" & 3/4"	1.5
*♦ KV43-342W	3/4"	1"	5/8"x3/4" & 3/4"	1.7
*♦ KV43-444W	1"	1"	1"	2.1
* KV43-454W	1"	1-1/4"	1"	2.7

Pack Joint for Plastic Pipe (PEP) by Meter Swivel Nut

CATALOG NUMBER	VALVE SIZE	SERVICE LINE	METER SIZE	APPROX. WT. LBS.
* KV63-331W	3/4"	3/4"	5/8"	1.5
*♦ KV63-332W	3/4"	3/4"	5/8"x3/4" & 3/4"	1.6
*♦ KV63-342W	3/4"	1"	5/8"x3/4" & 3/4"	2.2
* KV63-444W	1"	1"	1"	2.7

NOTE: "W" indicates valve is standard with Padlock Wings only.

Options Available

* **Grip Joint for CTS (all sizes) and PEP (3/4" & 1")** is available. Add "-G" to the end of the catalog number. Example: KV63-332W-G.

♦ **Quick Joint** is available by adding a "-Q" to the end of the catalog number.

Lock Caps are available for "old style" non-padlock wing 5/8", 5/8"x3/4", and 3/4" Angle Meter Valves. Order by catalog number AVLC-1.

Handles are available for Key Valves; see page 38.

Ford Angle Meter Valves

1-1/2" and 2" Flanged Key Meter Valves

ANSI/NSF Standard 61
see page G-2



FV13-777W



FV23-666W



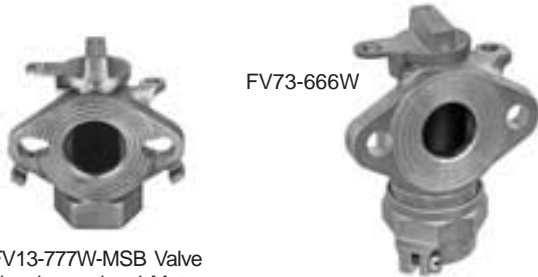
FV43-666W



FV53-666W



FV63-666W



FV73-666W

FV13-777W-MSB Valve
showing optional Meter
Support Brackets

Female Iron Pipe Thread by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
FV13-666W	1-1/2"	1-1/2"	1-1/2"	6.8
FV13-676W	1-1/2"	2"	1-1/2"	6.2
FV13-777W	2"	2"	1-1/2" or 2"	7.5

Flare Copper by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
FV23-666W	1-1/2"	1-1/2"	1-1/2"	7.6
FV23-676W	1-1/2"	2"	1-1/2"	9.4
FV23-777W	2"	2"	1-1/2" or 2"	10.9

Pack Joint for Copper or Plastic Tubing (CTS) by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
* FV43-666W	1-1/2"	1-1/2"	1-1/2"	7.1
* FV43-777W	2"	2"	1-1/2" or 2"	9.8

Pack Joint for Iron Pipe by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
FV53-666W	1-1/2"	1-1/2"	1-1/2"	6.4
FV53-777W	2"	2"	1-1/2" or 2"	8.2

Pack Joint for Plastic Pipe (PEP) by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
FV63-666W-IDR7	1-1/2"	1-1/2"	1-1/2"	7.2
FV63-777W-IDR7	2"	2"	1-1/2" or 2"	9.5

Pack Joint for PVC*** Pipe by Meter Flange

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE SIZE	METER SIZE	
FV73-666W	1-1/2"	1-1/2"	1-1/2"	6.7
FV73-777W	2"	2"	1-1/2" or 2"	9.1

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

Standard features include: Flat drop-in gaskets for 1-1/2" and 2" flanged valves. Slotted holes are standard on 2" Flanged Angle Valves, adapting them for connection to either 1-1/2" or 2" flanged meters.

NOTE: "W" indicates valve is standard with padlock wings *only*.

Options Available

* **Grip Joint for CTS (3/4" - 2") and PEP (3/4" & 1")** is available. Add "-G" to the end of the catalog number. Example: FV43-666W-G.

Steel Bolts and Nuts (5/8"x2-1/2", cadmium plated) for attaching 1-1/2" and 2" valves to meters are available, but must be ordered separately. Steel bolt catalog number: PSB

Meter Support Brackets to support the meter during installation are available on flanged valves at additional cost. ADD "MSB" to the catalog number. Example: FV13-777W-MSB.

See page 5 for specific details on above options.

Key Valve Branch Assemblies

**7-1/2" Spacing Between Centers
of Angle Key Meter Valves**



UV13-42W

**Female Iron Pipe Thread Inlet
by Two Meter Swivel Nut Outlets**

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
UV13-31W	3/4"	5/8"	4.3
UV13-32W	3/4"	5/8"x3/4" or 3/4"	4.3
UV13-41W	1"	5/8"	4.3
UV13-42W	1"	5/8"x3/4" or 3/4"	4.4



UV83-32W

**Male Iron Pipe Thread Inlet
by Two Meter Swivel Nut Outlets**

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
UV83-31W	3/4"	5/8"	4.1
UV83-32W	3/4"	5/8"x3/4" or 3/4"	4.3
UV83-41W	1"	5/8"	3.8
UV83-42W	1"	5/8"x3/4" or 3/4"	4.1



UV23-32W

**Flare Copper Inlet
by Two Meter Swivel Nut Outlets**

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
UV23-31W	3/4"	5/8"	4.5
UV23-32W	3/4"	5/8"x3/4" or 3/4"	4.8
UV23-41W	1"	5/8"	4.5
UV23-42W	1"	5/8"x3/4" or 3/4"	4.8



UV43-32W

**Pack Joint for Plastic or Copper Tubing (CTS)
Inlet by Two Meter Swivel Nut Outlets**

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
* UV43-31W	3/4"	5/8"	3.4
* UV43-32W	3/4"	5/8"x3/4" or 3/4"	4.5
* UV43-41W	1"	5/8"	4.2
* ♦ UV43-42W	1"	5/8"x3/4" or 3/4"	4.4
* UV43-62W	1-1/2"	5/8"x3/4" or 3/4"	5.7



UV63-32W

**Pack Joint for Plastic Pipe (PEP) Inlet
by Two Meter Swivel Nut Outlets**

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
* UV63-31W	3/4"	5/8"	4.2
* UV63-32W	3/4"	5/8"x3/4" or 3/4"	4.4
* UV63-41W	1"	5/8"	4.7
* UV63-42W	1"	5/8"x3/4" or 3/4"	4.9
UV63-51W	1-1/4"	5/8"	4.8
UV63-52W	1-1/4"	5/8"x3/4" or 3/4"	5.1

Options Available

* **Grip Joint** for CTS (3/4" - 2") and PEP (3/4" & 1") is available. Add "-G" to the end of the catalog number. Example: UV63-32W-G.

♦ **Quick Joint** is available by adding a "-Q" to the end of the catalog number.

Handles for Key Meter Valves must be ordered separately from page 38 of this section.

See page 5 for specific details on above options.

Key Valve Branch Assemblies - Continued

ANSI/NSF Standard 61
see page G-2

6-1/2" Spacing Between Centers of Angle Key Meter Valves

UV13-42W-65



Female Iron Pipe Thread Inlet by Two Meter Swivel Nut Outlets

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
UV13-41W-65	1"	5/8"	-
UV13-42W-65	1"	5/8"x3/4" or 3/4"	4.3

UV83-32W-65



Male Iron Pipe Thread Inlet by Two Meter Swivel Nut Outlets

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
UV83-31W-65	3/4"	5/8"	3.8
UV83-32W-65	3/4"	5/8"x3/4" & 3/4"	-
UV83-41W-65	1"	5/8"	3.9
UV83-42W-65	1"	5/8"x3/4" & 3/4"	4.2

UV43-32W-65



Pack Joint for Copper or Plastic Tubing (CTS) Inlet by Two Meter Swivel Nut Outlets

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
* UV43-31W-65	3/4"	5/8"	4.3
* UV43-32W-65	3/4"	5/8"x3/4" & 3/4"	4.3
* UV43-41W-65	1"	5/8"	4.2
* UV43-42W-65	1"	5/8"x3/4" & 3/4"	4.5

UV63-42W-65



Pack Joint for Plastic Pipe (PEP) Inlet by Two Meter Swivel Nut Outlets

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
* UV63-41W-65	1"	5/8"	-
* UV63-42W-65	1"	5/8"x3/4" or 3/4"	4.5

Angle Key Valve Branch Assemblies

6-1/2" Spacing Between Centers of Angle Key Meter Valves

UAV43-42W-65



Pack Joint for Copper or Plastic Tubing (CTS) Inlet by Two Meter Swivel Nut Outlets

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
* UAV43-41W-65	1"	5/8"	4.8
* UAV43-42W-65	1"	5/8"x3/4" or 3/4"	4.5

Options Available

* Grip Joint for CTS (3/4" - 2") and PEP (3/4" & 1") is available. Add "-G" to the end of the catalog number. Example: UV43-32W-65-G.

Handles for Key Meter Valves must be ordered separately from page 38 of this section.

See page 5 for specific details on above options.

Ball Valve Branch Assemblies

**7-1/2" Spacing Between Centers
of Angle Ball Meter Valves**



UVB13-42W

**Female Iron Pipe Thread Inlet
by Two Meter Swivel Nut Outlets**

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
UVB13-31W	3/4"	5/8"	4.4
UVB13-32W	3/4"	5/8"x3/4" or 3/4"	4.4
UVB13-41W	1"	5/8"	4.4
UVB13-42W	1"	5/8"x3/4" or 3/4"	4.4



UVB83-32W

**Male Iron Pipe Thread Inlet
by Two Meter Swivel Nut Outlets**

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
UVB83-31W	3/4"	5/8"	4.3
UVB83-32W	3/4"	5/8"x3/4" or 3/4"	4.4
UVB83-41W	1"	5/8"	3.8
UVB83-42W	1"	5/8"x3/4" or 3/4"	4.0



UVB23-32W

**Flare Copper Inlet
by Two Meter Swivel Nut Outlets**

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
UVB23-31W	3/4"	5/8"	4.7
UVB23-32W	3/4"	5/8"x3/4" or 3/4"	5.0
UVB23-41W	1"	5/8"	4.9
UVB23-42W	1"	5/8"x3/4" or 3/4"	5.0



UVB43-32W

**Pack Joint for Plastic or Copper Tubing (CTS)
Inlet by Two Meter Swivel Nut Outlets**

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
* UVB43-31W	3/4"	5/8"	4.3
* UVB43-32W	3/4"	5/8"x3/4" or 3/4"	4.6
* UVB43-41W	1"	5/8"	4.4
* UVB43-42W	1"	5/8"x3/4" or 3/4"	4.6
* UVB43-62W	1-1/2"	5/8"x3/4" or 3/4"	5.4



UVB63-32W

**Pack Joint for Plastic Pipe (PEP) Inlet
by Two Meter Swivel Nut Outlets**

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
* UVB63-31W	3/4"	5/8"	4.4
* UVB63-32W	3/4"	5/8"x3/4" or 3/4"	4.6
* UVB63-41W	1"	5/8"	4.7
* UVB63-42W	1"	5/8"x3/4" or 3/4"	4.9
UVB63-51W	1-1/4"	5/8"	5.0
UVB63-52W	1-1/4"	5/8"x3/4" or 3/4"	5.2

Options Available

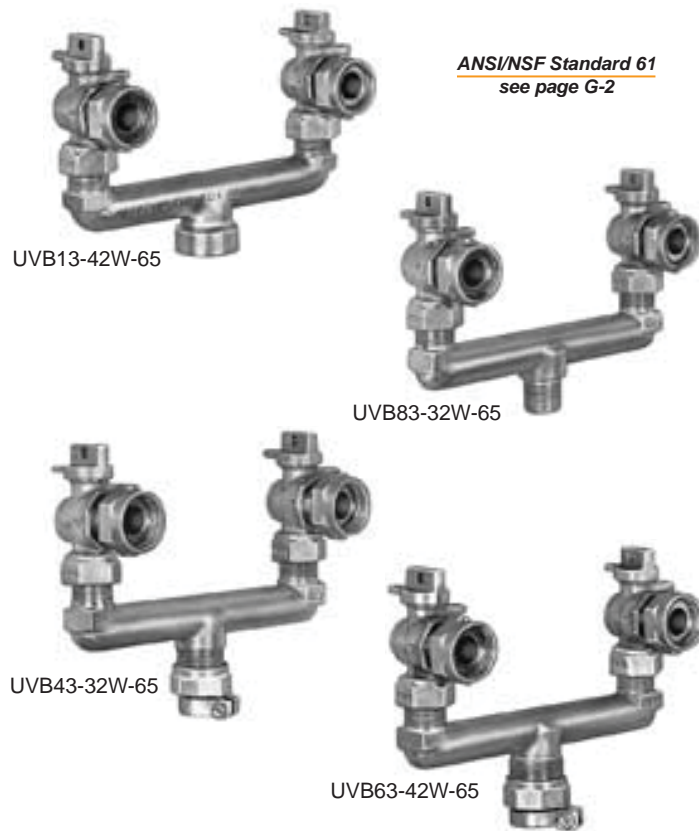
* Grip Joint for CTS (3/4" - 2") and PEP (3/4" & 1") is available. Add "-G" to the end of the catalog number. Example: UVB63-32W-G.

Handles are available for Ball Valves; see page 37.

See page 5 for specific details on above options.

Ball Valve Branch Assemblies - Continued

6-1/2" Spacing Between Centers of Angle Ball Meter Valves



Female Iron Pipe Thread Inlet by Two Meter Swivel Nut Outlets

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
UVB13-41W-65	1"	5/8"	-
UVB13-42W-65	1"	5/8"x3/4" or 3/4"	-

Male Iron Pipe Thread Inlet by Two Meter Swivel Nut Outlets

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
UVB83-31W-65	3/4"	5/8"	-
UVB83-32W-65	3/4"	5/8"x3/4" & 3/4"	-
UVB83-41W-65	1"	5/8"	-
UVB83-42W-65	1"	5/8"x3/4" & 3/4"	-

Pack Joint for Copper or Plastic Tubing (CTS) Inlet by Two Meter Swivel Nut Outlets

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
* UVB43-31W-65	3/4"	5/8"	-
* UVB43-32W-65	3/4"	5/8"x3/4" & 3/4"	-
* UVB43-41W-65	1"	5/8"	4.2
* UVB43-42W-65	1"	5/8"x3/4" & 3/4"	-

Pack Joint for Plastic Pipe (PEP) Inlet by Two Meter Swivel Nut Outlets

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
* UVB63-41W-65	1"	5/8"	-
* UVB63-42W-65	1"	5/8"x3/4" or 3/4"	-

Ball Valve Angle Branch Assemblies

6-1/2" Spacing Between Centers of Angle Ball Meter Valves

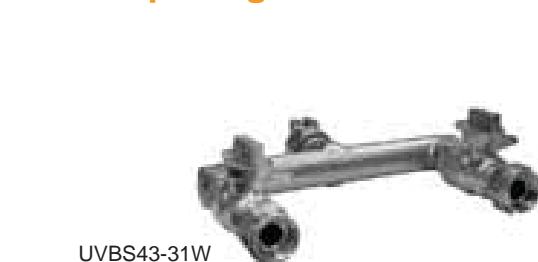


Pack Joint for Copper or Plastic Tubing (CTS) Inlet by Two Meter Swivel Nut Outlets

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
* UAVB43-41W-65	1"	5/8"	4.8
* UAVB43-42W-65	1"	5/8"x3/4" or 3/4"	5.0

Ball Valve Straight Branch Assemblies

7-1/2" Spacing Between Centers of Straight Ball Meter Valves



Female Iron Pipe Thread Inlet by Two Meter Swivel Nut Outlets

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
UVBS13-42W	1"	5/8"x3/4" or 3/4"	4.3

Pack Joint for Copper or Plastic Tubing (CTS) Inlet by Two Meter Swivel Nut Outlets

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.
	SERV. LINE	METER SIZE	
* UVBS43-31W	3/4"	5/8"	-
* UVBS43-42W	1"	5/8"x3/4" or 3/4"	4.6

Options Available

* Grip Joint for CTS (3/4" - 2") and PEP (3/4" & 1") is available. Add "-G" to the end of the catalog number. Example: UVBS43-42W-G.

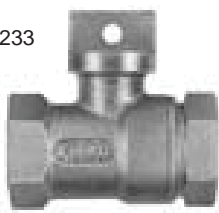
See page 5 for specific details on above options.

Ford Ball Service Valves

5/8" Ball Valves

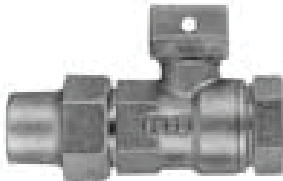
When used in a 3/4" service line, this compact, well-designed valve offers the many advantages of Ford Ball Valves at a lower cost. The smooth, tapered water passages result in excellent flow characteristics. Construction features are shown on page 4. Some styles are available in special, longer lengths.

B11-233

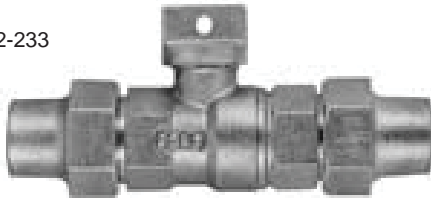


Padlock Wings as shown above are available on most 5/8" Ball Valves.

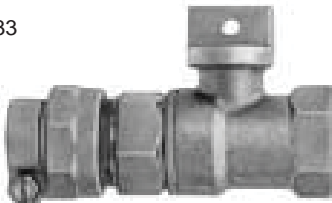
B21-233



B22-233



B41-233



B51-233



B61-233



B71-233



Female Iron Pipe Thread Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. LENGTH	APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
B11-211	5/8"	1/2"	1/2"	2-15/16"	1.0
B11-231	5/8"	3/4"	1/2"	2-15/16"	1.1
B11-233	5/8"	3/4"	3/4"	2-15/16"	1.1
▼ B11-233WW	5/8"	3/4"	3/4"	2-15/16"	1.2
BL11-233	5/8"	3/4"	3/4"	3-3/4"	1.3
BL11-233-3.5	5/8"	3/4"	3/4"	3-1/2"	1.2

▼ "WW" indicates double padlock wings for locking in either on or off position.

Flare Copper Inlet by Female Iron Pipe Thread Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. LENGTH	APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
B21-231	5/8"	3/4"	1/2"	3-9/16"	1.5
B21-233	5/8"	3/4"	3/4"	3-9/16"	1.5
BL21-233-4.375	5/8"	3/4"	3/4"	4-3/8"	1.7

Flare Copper Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. LENGTH	APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
B22-233	5/8"	3/4"	3/4"	4-9/16"	2.5

Pack Joint for Copper or Plastic Tubing (CTS) by Female Iron Pipe Thread Outlets

CATALOG NUMBER	DESCRIPTION			APPROX. LENGTH	APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
B41-211	5/8"	1/2"	1/2"	-	1.2
* B41-231	5/8"	3/4"	1/2"	-	1.4
*♦ B41-233	5/8"	3/4"	3/4"	-	1.4
* BL41-233	5/8"	3/4"	3/4"	4-1/8"	1.6

Note: Length of valve for Flare Copper and Pack Joints for Copper are measured less the Flare Nut or Pack Joint Nut

Pack Joint for Iron Pipe Inlet by Female Iron Pipe Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	PJ/IP SIZE	FIP SIZE	
B51-211	5/8"	1/2"	1/2"	1.3
B51-233	5/8"	3/4"	3/4"	1.4

Pack Joint for Plastic Pipe (PEP) Inlet by Female Iron Pipe Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	PEP SIZE	FIP SIZE	
* B61-231	5/8"	3/4"	1/2"	1.5
* B61-233	5/8"	3/4"	3/4"	1.5

Pack Joint for PVC*** Pipe Inlet by Female Iron Pipe Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	PVC SIZE	FIP SIZE	
B71-233	5/8"	3/4"	3/4"	1.6

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

Options Available

* **Grip Joint** for CTS (3/4" and 1") and PEP (3/4" and 1") is available. Add "-G" to end of catalog number. Example: B61-233-G.

♦ **Quick Joint** is available on this valve with the padlock wing feature. Add "W-Q" to the end of the catalog number. Example: B41-233W-Q.

See page 5 for specific details on above options.

Ford Ball Service Valves - Continued

ANSI/NSF Standard 61
see page G-2

5/8" Ball Valves

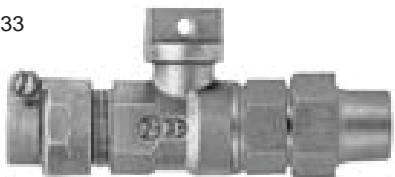
B81-233



Male Iron Pipe Thread by Female Iron Pipe Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	MIP SIZE	FIP SIZE	
B81-233	5/8"	3/4"	3/4"	-

B42-233



Pack Joint for Copper or Plastic Tubing (CTS) by Flare Copper Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	MIP SIZE	FL. COP. SIZE	
* B42-233	5/8"	3/4"	3/4"	-

B84-233



Male Iron Pipe Thread by Pack Joint for Copper or Plastic Tubing (CTS)

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	P.J. SIZE	FL. COP. SIZE	
* B84-233	5/8"	3/4"	3/4"	-

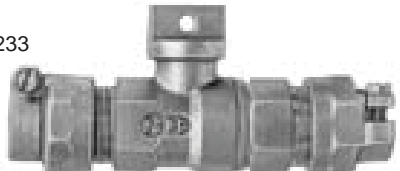
B44-233



Pack Joint for Copper or Plastic Tubing (CTS) Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	PVC SIZE	FIP SIZE	
B44-211	5/8"	1/2"	1/2"	-

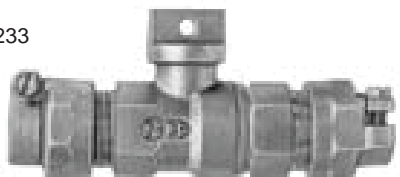
B66-233



Pack Joint for Plastic Pipe (PEP) Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE	
* B66-233	5/8"	3/4"	3/4"	2.0

B77-233

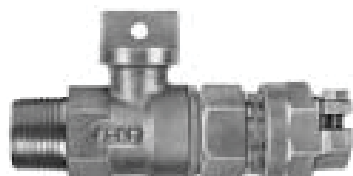


Pack Joint for PVC*** Pipe Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE	
B77-233	5/8"	3/4"	3/4"	-

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

B87-233



Male Iron Pipe Thread by Pack Joint for PVC*** Pipe

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE	
B87-233	5/8"	3/4"	3/4"	-

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

Options Available

* **Grip Joint for CTS (3/4" - 2") and PEP (3/4" & 1")** is available. Add "-G" to the end of the catalog number. Example: B66-233-G.

♦ **Quick Joint** is available on this valve with the padlock wing feature. Add "W-Q" to the end of the catalog number.

Tracer Wire Terminal available on 3/4" CTS Quick Joint Nuts, add "-TW-Q" to end of catalog number.

Padlock Wings - All valves are available with padlock wings. Add "W" to catalog number.

Standard tee-head stops on the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number. Example: B84-233R.

Lock Caps are available for 5/8" through 2" Ball Valves and can be ordered from page 38.

Handles are available for Ball Valves; see page 37.

See page 5 for specific details on above options.

Ford Ball Service Valves - Continued

5/8" Ball Valves with Drain/Test Valve on Outlet Side of Valves

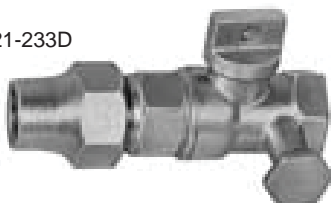
B11-233D



Female Iron Pipe Thread Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. LENGTH	APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
B11-211D	5/8"	1/2"	1/2"	2-15/16"	1.2
B11-231D	5/8"	3/4"	1/2"	2-15/16"	1.3
B11-233D	5/8"	3/4"	3/4"	2-15/16"	1.2

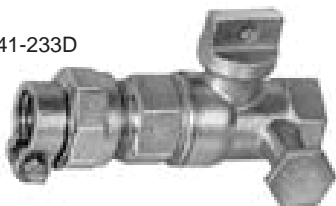
B21-233D



Flare Copper Inlet by Female Iron Pipe Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. LENGTH	APPROX. WT. LBS.
	VALVE SIZE	FLARE SIZE	FIP SIZE		
B21-231D	5/8"	3/4"	1/2"	3-9/16"	1.8
B21-233D	5/8"	3/4"	3/4"	3-9/16"	1.8

B41-233D



Pack Joint for Copper or Plastic Tubing (CTS) Inlet by Female Iron Pipe Thread Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. LENGTH	APPROX. WT. LBS.
	VALVE SIZE	CTS SIZE	FIP SIZE		
* B41-233D	5/8"	3/4"	3/4"	3-15/16"	1.6

Note: Length of valve for flare copper and Pack Joints for copper are measured less the Flare nut or Pack Joint nut.

Options Available

* **Grip Joint for CTS** is available. Add "-G" to the end of the catalog number. Example: B41-233D-G.

Padlock Wings - All valves are available with padlock wings. Add "W" to catalog number.

Standard tee-head stops within the body to permit 90° turn *only*. **Full 360° tee-head rotation** is available. Add "R" to catalog number. Example: B41-233D-R.

Lock Caps are available for 5/8" through 2" Ball Valves and can be ordered from page 38.

Handles are available for Ball Valves; see page 37.

See page 5 for specific details on above options.

Ford 3/4" Straight Compression Service Valves

G11-333



Female Iron Pipe Thread Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE	
G11-333	3/4"	3/4"	3/4"	1.5

Ford 3/4" Straight Compression Service Valves

Cut-in Type with Detachable Pack Joint Assemblies

G44-333



Pack Joint for Copper or Plastic Tubing (CTS) Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
G44-311	3/4"	1/2"	1/2"	2.5	1
* G44-333	3/4"	3/4"	3/4"	2.6	-
* G44-344	3/4"	1"	1"	2.7	1

* Grip Joint for CTS is available. Add "-G" to end of catalog number.

Pack Joint for Iron Pipe Both Ends

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
G55-311	3/4"	1/2"	1/2"	2.3	1
G55-333	3/4"	3/4"	3/4"	2.4	1
G55-344	3/4"	1"	1"	3.5	1

Less Pack Joint Assemblies **

CATALOG NUMBER	DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE AND OUTLET SIZE		
G00-300	3/4"	No. 1 Male Kornerhorn Threads	1.4	1

** To purchase Pack Joint Assemblies for PET, PEP, PVC and iron pipe, refer to section B under Pack Joint Assemblies for No. 1 Kornerhorn.

Ford Angle Compression Service Valves

GA21-333



Flare Copper Inlet by Female Iron Pipe Thread Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
GA21-333	3/4"	3/4"	3/4"	1.7	6

Female Iron Pipe Thread Inlet by Female Iron Pipe Thread Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.	STD. PKG. QTY.
	VALVE SIZE	INLET SIZE	OUTLET SIZE		
GA11-444	1"	1"	1"	1.9	1

Ford Angle Inverted Key Service Valves

With Female Iron Pipe Outlet Thread

AV11-333W



Female Iron Pipe Thread Inlet by Female Iron Pipe Thread Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE	OUTLET SIZE	
AV11-333W	3/4"	3/4"	3/4"	1.2
AV11-444W	1"	1"	1"	1.7

AV21-333W



Flare Copper Inlet by Female Iron Pipe Thread Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE	OUTLET SIZE	
AV21-333W	3/4"	3/4"	3/4"	1.5
■ AV21-444	1"	1"	1"	2.1

Flare Copper Inlet by Male Iron Pipe Thread Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE	OUTLET SIZE	
KV28-333W	3/4"	3/4"	3/4"	1.3
KV28-444W	1"	1"	1"	1.9
▼ KV28-444WW	1" Dbl. Locking	1"	1"	2.0

AV41-333W



Pack Joint for Copper or Plastic Tubing (CTS) Inlet by Female Iron Pipe Thread Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE	OUTLET SIZE	
* AV41-333W	3/4"	3/4"	3/4"	1.4
■ AV41-444	1"	1"	1"	1.8

Pack Joint for Polyethylene Pipe (PEP) Inlet by Male Iron Pipe Thread Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	SERV. LINE	OUTLET SIZE	
* KV68-333W	3/4"	3/4"	3/4"	1.4

NOTE: "W" indicates valve is standard with Padlock Wings only.

▼ "WW" indicates Double Padlock Wings for locking in either "on" or "off" position.

■ Indicates valve is not available with Padlock Wings.

Options Available

* Grip Joint for CTS (3/4" - 2") and PEP (3/4" & 1") is available. Add "-G" to the end of the catalog number. Example: AV41-333W-G.

Handles for Key Valves may be ordered separately from page 38.

See page 5 for specific details on above options.

Ford Angle Ball Service Valves

ANSI/NSF Standard 61
see page G-2



Female Iron Pipe Thread Inlet and Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE	
BA11-333W	3/4"	3/4"	3/4"	1.8
BA11-343W	3/4"	1"	3/4"	2.0
BA11-344W	3/4"	1"	1"	2.2
BA11-444W	1"	1"	1"	-
BA11-666W	1-1/2"	1-1/2"	1-1/2"	-
BA11-777W	2"	2"	2"	-

Flare Copper Inlet by Female Iron Pipe Thread Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	FLARE SIZE	FIP SIZE	
BA21-333W	3/4"	3/4"	3/4"	2.1
BA21-344W	3/4"	1"	1"	3.4

Pack Joint for Copper or Plastic Tubing (CTS) Inlet by Female Iron Pipe Thread Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	CTS SIZE	FIP SIZE	
* BA41-233W	5/8"	3/4"	3/4"	1.4
* BA41-333W	3/4"	3/4"	3/4"	2.0
* BA41-444W	1"	1"	1"	3.1

Female Iron Pipe Thread Inlet by Flare Copper Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	FIP SIZE	FLARE SIZE	
BA12-333W	3/4"	3/4"	3/4"	2.3
BA12-343W	3/4"	1"	3/4"	2.9
BA12-344W	3/4"	1"	1"	2.8

Flare Copper Inlet and Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE	
BA22-333W	3/4"	3/4"	3/4"	2.6
BA22-444W	1"	1"	1"	4.1

Pack Joint for Copper or Plastic Tubing (CTS) Inlet and Outlet

CATALOG NUMBER	DESCRIPTION			APPROX. WT. LBS.
	VALVE SIZE	INLET SIZE	OUTLET SIZE	
* BA44-333W	3/4"	3/4"	3/4"	2.4
* BA44-344W	3/4"	1"	1"	2.6
* BA44-444W	1"	1"	1"	3.5

NOTE: "W" indicates valve is standard with padlock wings only.

NOTE: Angle Ball Service Valves are designed for flow from inlet (bottom) to outlet as indicated above.

Options Available

* Grip Joint for CTS (3/4" - 2") and PEP (3/4" & 1") is available. Add "-G" to the end of the catalog number. Example: BA41-233W-G.

♦ Quick Joint is available by adding a "-Q" to the end of the catalog number.

Reclaimed Water Tee-head is available on 3/4" and 1" Ball Valves. Insert "RW" into the catalog number. Example: BARW11-333W. Tee-head sold only with padlock wing.

Handles are available for Ball Valves; see page 37.

See page 5 for specific details on above options.

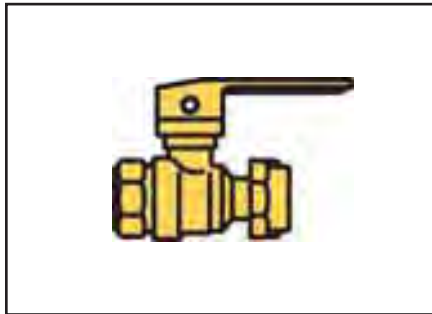
Ford Valve Handles

Handles Available for the Complete Line of Ford Ball Valves

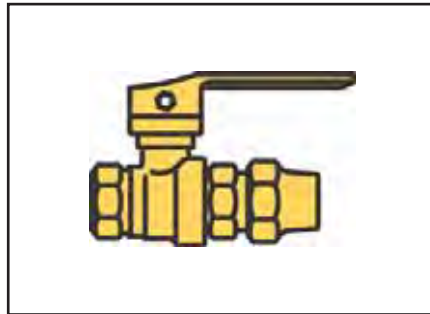
All handles are cast from waterworks brass (AWWA Standard C800 / ASTM B-62 UNS No. C83600 — 85-5-5-5). Ball Valve handles, and the RHT-34 Angle Key Valve handle, may be attached by the customer using bolt holes already in the Tee Head of the valve. Other handles are factory-assembled with the valve. **All Handles** may be ordered factory-assembled on valves if specified.

Handles for Ball Valves

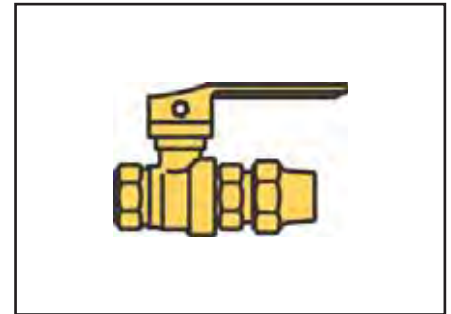
CATALOG NUMBER	DESCRIPTION AND USAGE OF HANDLE	APPROX. WT. LBS.
HB-2	Straight Lever Handle for 5/8" (3-7/16" long) Straight and Angle Ball Valves	.3
HB-34	Straight Lever Handle (4-1/4" long) for 3/4" and 1" Straight and Angle Ball Valves	.3
HB-34-RW	"Reclaimed Water" Straight Lever Handle (4-1/4" long) for 3/4" and 1" Straight and Angle Ball Valves	-
HB-34S	Straight Lever Handle (3-1/4" long) for 3/4" and 1" Straight and Angle Ball Valves	.3
HH-34	High Lever Handle for 3/4" and 1" Straight and Angle Ball Valves	.5
HB-67	Straight Lever Handle (9-1/2" long) for ALL 1-1/4", 1-1/2" and 2" Straight and Angle Ball Valves	1.1
HB-67S	Straight Lever Handle (4-7/8" long) for ALL 1-1/4", 1-1/2" and 2" Straight and Angle Ball Valves	1.1
HH-67	High Lever Handle (8-7/8" long) for ALL 1-1/2" and 2" Straight and Angle Ball Valves	.8
HP-4	Special Angled Lever Handle for 3/4" and 1" Ball Valves for Pitometer Service	.4
HS-4	High Lever Handle for 1-1/4", 1-1/2" and 2" Straight and Angle Ball Valves	.8
HT-34	Combination Tee Head Cap and High Lever Handle for 3/4" and 1" Ball Valves. Padlock Wing not available with HT-34 Handle. (Factory Assembled ONLY!)	.5
HT-67S	High Lever Handle for 1-1/2" and 2" Straight Ball Valves - (Factory Assembled ONLY!)	-



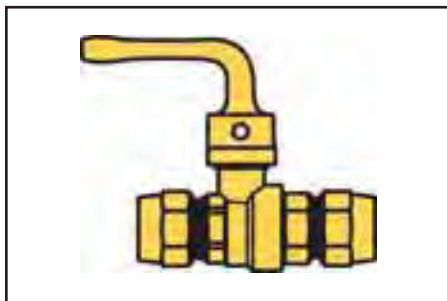
HB-2 for 5/8" Ball Valves
Straight and Angle



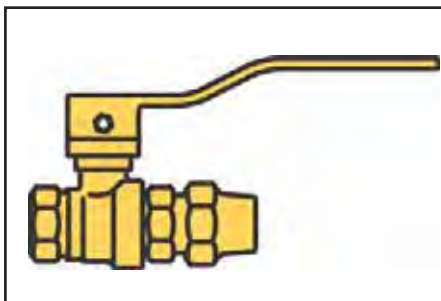
HB-34 (4-1/4" long) and **HB-34S** (3-1/4" long)
for 3/4" and 1" Ball Valves
Straight and Angle



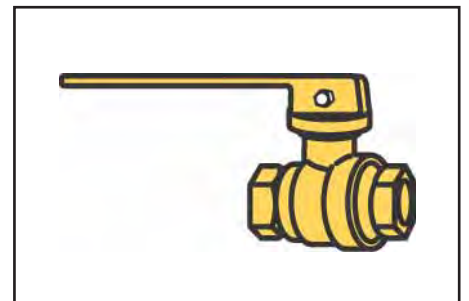
HH-34 for 3/4" and 1" Ball Valves
Straight and Angle



HS-4 for 1-1/4", 1-1/2" and 2"
Straight and Angle Ball Valves



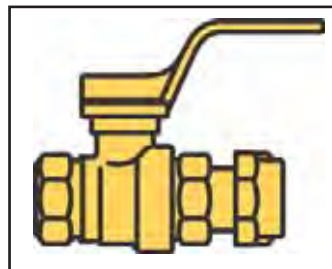
HH-67 for 1-1/4", 1-1/2" and 2"
Straight and Angle Ball Valves



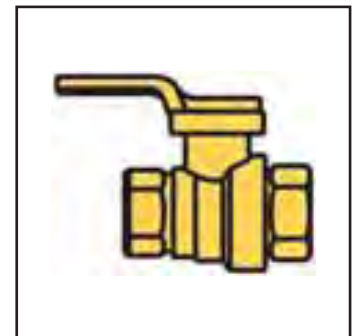
HB-67 (9-1/2" long) and **HB-67S** (4-7/8" long)
1-1/4", 1-1/2" and 2" Ball Valves



HP-4 for use on Ball Valves
for Pitometer service



HT-34 for 3/4" and 1" Angle
Ball Valves and 3/4" and 1"
Straight Ball Valves.
(Factory assembled only)



HT-67S for 1-1/2" and 2"
Straight Ball Valves
(Factory assembled only)

Ford Valve Handles

Handles Available for the Complete Line of Ford Inverted Key Valves

Handles for Inverted Key Valves

CATALOG NUMBER	DESCRIPTION AND USAGE OF HANDLE	APPROX. WT. LBS.
HS-4	High Lever Handle for 1" "SV" type Straight Key Valve - (Factory Assembled Only!)	.8
HT-3	Combination Tee Head and Lever Handle for 3/4" "KV" Angle Key Meter Valves and 3/4" "AV" Angle Key Service Valves - (Factory Assembled ONLY!)	.6
HT-4	Combination Tee Head and Lever Handle for 1" "KV" Angle Key Meter Valves and 1" "AV" Angle Key Service Valves - (Factory Assembled ONLY!)	.5
RHT-34	Straight Lever Handle for attachment to Tee Head of ALL 3/4" and 1" Angle Key Valves	.2



RHT-34 for 3/4" and 1" Angle Key Valve



HT-3 and HT-4 for KV Meter Valves and AV Service Valves
(Factory assembled only)

Ford Valve Lock Caps

Lock Caps Available for the Complete Line of Ford Valves

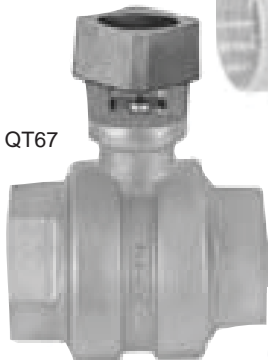
BVLC-1



AVLC-1



QT67



Ball Valve Lock Caps

CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.
BVLC-58	Lock Cap for 5/8" Ball Valve	.6
BVLC-1	Lock Cap and Pin for 5/8" BH, 3/4" and 1" Ball Valves	1.0
BVLC-2	Lock Cap and Pin for 1-1/4", 1-1/2" and 2" Ball Valves	1.4
BVLC-58-PIN	Pin only for BVLC-58	-
BVLC-1-PIN	Pin only for BVLC-1	-
BVLC-2-PIN	Pin only for BVLC-2	-

Key Valve Lock Caps

CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.
AVLC-1	Lock Cap and Pin for 5/8" and 5/8"x3/4" and 3/4" Angle Key Valves without Padlock Wings	.08

Gate Valve Operating Nut

CATALOG NUMBER	DESCRIPTION	APPROX. WT. LBS.
QT67	2" Gate Valve Operating Nut for 1-1/4", 1-1/2" and 2" Ball Valves	1.0

Seal Wire Hole In Padlock Wings

To order Seal Wire Hole, add "-SEAL" to catalog number.
Example: KV13-332W-SEAL.

Ford Insert Stiffeners

TYPES OF PIPE AND TUBING – EXPLANATION OF ABBREVIATIONS

Copper Tube - CTS - copper tubing is widely used as a service line and the outside diameter is closely held by manufacturers. The outside diameter of copper tubing has become a standard in the industry and is known as “copper tube size”. (Pack Joint coded **CTS**).

Plastic Tubing - CTS - flexible water service tubing in what is referred to as “copper tube size”. Plastic tube refers to *any* plastic with the same outside diameter as corresponding sizes of copper tube. (Pack Joint coded **CTS**.)

PET - polyethylene tubing.

Plastic Pipe - PEP - flexible water service pipe in what is referred to as “pipe size”. Plastic pipe refers to *any* pipe having the same inside diameter as corresponding sizes of standard iron pipe. (Pack Joint coded **PEP**.)

PEP - polyethylene pipe.

PVC Pipe - PVC - polyvinyl chloride rigid plastic pipe. PVC pipe refers to polyvinyl chloride rigid plastic pipe having the same outside diameter as corresponding sizes of standard iron pipe. (Pack Joint coded **PVC**.) **Ford Pack Joints for PVC are recommended for use only with Schedule 40 and Schedule 80 PVC.**

NOTE: Consult pipe or tubing manufacturer for specific installation requirements.



Ford Pack Joint

PACK JOINT CODING

Type of service line coded on Ford Pack Joint Nut.

CTS = copper, polyethylene (PET) tubing

PEP = polyethylene (PEP) pipe

PVC = polyvinyl chloride (PVC) pipe (Schedule 40 and 80)

DIMENSION COMPARISON TABLE FOR PLASTIC, COPPER AND GALVANIZED IRON

PIPE AND TUBING TYPE		SDR	PSI	CONTROL	O.D.						I.D.					
					1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Copper	—	—	—	OD	.625	.875	1.125	1.375	1.625	2.125	—	—	—	—	—	—
PET	PE3408	9	200	OD	.625	.875	1.125	1.375	1.625	2.125	—	.681	.875	1.069	1.263	1.653
PEP	PE3408	7	200	ID	—	1.060	1.349	1.774	2.070	2.657	—	.824	1.049	1.380	1.610	2.067
PVC	—	—	—	OD	.840	1.050	1.315	1.660	1.900	2.375	—	—	—	—	—	—
Galv IP	—	—	—	OD	.840	1.050	1.315	1.660	1.900	2.375	—	—	—	—	—	—

INSERT STIFFENERS



Before using Ford insert stiffeners, be sure inside tubing or pipe dimensions correspond to the table below. Ford recommends using insert stiffeners when using plastic pipe or tubing.

Ford insert stiffeners are solid tubular 304 stainless steel, flanged and dimpled to retain placement within the service line.

PLASTIC TUBING

50 SERIES FOR POLYETHYLENE TUBING

CATALOG NUMBER	NOMINAL SIZE	PET ID	APPROX. WT. LBS.*	STD. PKG. QTY.
Insert-51	3/4"	.681	4.8	200
Insert-52	1"	.875	4.2	100
** Insert-53-72	1-1/4"	1.069	3.0	50
♦ Insert-53-72-Q	1-1/4"	1.069	3.0	50
Insert-54	1-1/2"	1.263	3.1	25
Insert-55	2"	1.653	4.6	40
♦ Insert-54-Q	1-1/2"	1.263	2.6	30
♦ Insert-55-Q	2"	1.653	5.8	50

PLASTIC PIPE

70 SERIES FOR POLYETHYLENE PIPE

CATALOG NUMBER	NOMINAL SIZE	PEP ID	APPROX. WT. LBS.*	STD. PKG. QTY.
Insert-71	3/4"	.824	4.4	100
** Insert-53-72	1"	1.049	2.9	50
Insert-73	1-1/4"	1.380	5.8	75
Insert-74	1-1/2"	1.610	5.5	45
Insert-75	2"	2.067	9.7	50
♦ Insert-53-72-Q	1"	1.049	2.9	50

♦ These inserts are specifically designed and required for Quick Joint fittings. They **ARE NOT** interchangeable for use with any other type of compression fittings.

* Weights for insert stiffeners are for standard packaging quantities.

**Insert-53 and Insert-72 fit both 1-1/4" plastic tubing (1.069 I.D.) and 1" plastic pipe (1.049 I.D.).

Section G

Ford Curb Stops and Meter Valves

Warranty

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

Please Note:

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



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