

The Isolator[®]
Uni-Flange Ball Valve

Webstone
Company, Inc.

THE **ONLY WAY** TO ISOLATE
CIRCULATOR PUMPS



PATENTED TECHNOLOGY

ORIGINAL ISOLATOR®

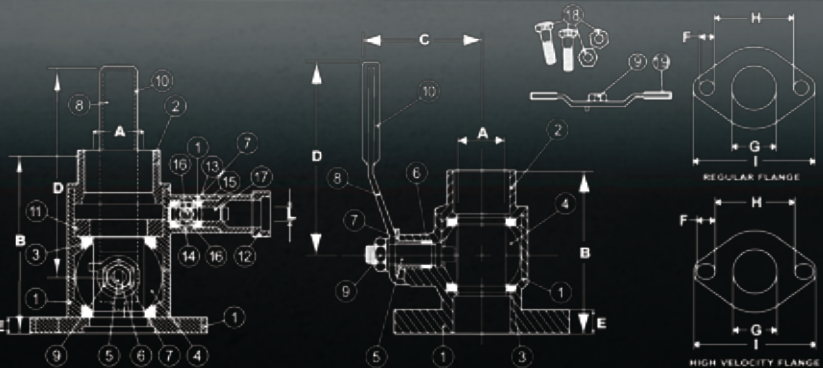
- Heavy duty forged brass uni-body construction
- Designed for residential and commercial use with virtually every brand of circulator pump
- Hard chrome plated solid brass ball with reinforced Teflon® (PTFE) seats
- Blowout proof stem with Teflon® (PTFE) seal
- Vinyl coated stamped steel lever & wing handles included with flange mounting bolts & nuts

THE ISOLATOR® W/ DRAIN
UNIQUE PATENTED DESIGN

THE ISOLATOR® UNI-FLANGE BALL VALVE



- | | |
|--------------------------|-----------------------------|
| 1 FLANGED BODY | FORGED BRASS |
| 2 END CAP | FORGED BRASS |
| 3 SEATS | TEFLON® (PTFE) |
| 4 BALL | BRASS/HARD CHROME PLATE |
| 5 STEM | BRASS |
| 6 STEM SEAL | TEFLON® (PTFE) |
| 7 PACKING GLAND | BRASS |
| 8 LEVER HANDLE | C.P. STEEL |
| 9 HANDLE NUT | BRASS |
| 10 HANDLE JACKET | VINYL |
| 11 SEAT RETAINER | BRASS |
| 12 DRAIN VALVE | FORGED BRASS |
| 13 DRAIN VALVE SEATS | TEFLON® (PTFE) |
| 14 DRAIN VALVE BALL | BRASS/HARD CHROME PLATE |
| 15 DRAIN VALVE STEM | BRASS |
| 16 DRAIN VALVE STEM SEAL | TEFLON® (PTFE) |
| 17 DRAIN VALVE HANDLE | ENAMEL COATED ALUMINUM |
| 18 FLANGE BOLTS AND NUTS | STEEL |
| 19 WING STYLE "T" HANDLE | C.P. STEEL WITH VINYL GRIPS |



THESE VALVES REVOLUTIONIZED THE INSTALLATION OF CIRCULATOR PUMPS TODAY

Our original Isolator® Uni-Flange Ball Valve design has evolved into the largest flanged ball valve program in the industry today. Only one brand of flanged ball valves is guaranteed for life and they are available only from Webstone!

THE ISOLATOR® UNI-FLANGE BALL VALVE

FULL PORT FORGED BRASS BALL VALVES W/ BONUS WING STYLE "T" HANDLE, BOLTS & NUTS

ISO 9001:2000
600 WOG

	Item #	Size	ctn/cs	A	B	C	D	E	F	F ^{HV}	G	G ^{HV}	H	I
IPS	40402	1/2	2/20	1/2	2 1/4	1 7/8	3 13/16	3/8	1/2	-	1 1/2	-	2 11/16	4 3/16
	40403	3/4	2/20	3/4	2 3/8	2 1/16	3 7/8	3/8	1/2	-	1 1/2	-	2 11/16	4 3/16
	40404	1	2/20	1	2 11/16	2 1/2	4 5/8	3/8	1/2	5/8	1 1/2	1 1/2	2 11/16	4 3/16
	40405	1 1/4	2/20	1 1/4	2 14/16	2 13/16	4 5/8	3/8	1/2	5/8	1 1/2	1 1/2	2 11/16	4 3/16
	40406	1 1/2	2/20	1 1/2	4	3 3/8	5 9/16	3/8	1/2	5/8	1 1/2	1 1/2	2 11/16	4 3/16
	40407HV	2	2/10	2	4 7/16	3 3/4	5 9/16	3/8	-	5/8	-	2	2 11/16	4 3/4
SWT	50402	1/2	2/20	1/2	2 1/8	1 7/8	3 13/16	3/8	1/2	-	1 1/2	-	2 11/16	4 3/16
	50403	3/4	2/20	3/4	2 9/16	2 1/16	3 7/8	3/8	1/2	-	1 1/2	-	2 11/16	4 3/16
	50404	1	2/20	1	2 15/16	2 1/2	4 5/8	3/8	1/2	5/8	1 1/2	1 1/2	2 11/16	4 3/16
	50405	1 1/4	2/20	1 1/4	3 1/8	2 13/16	4 5/8	3/8	1/2	5/8	1 1/2	1 1/2	2 11/16	4 3/16
	50406	1 1/2	2/20	1 1/2	4 3/8	3 3/8	5 9/16	3/8	1/2	5/8	1 1/2	1 1/2	2 11/16	4 3/16
	50407HV	2	1/10	2	5 1/16	3 3/4	5 9/16	3/8	-	5/8	-	2	2 11/16	4 3/4

1" - 1 1/2" Also available for High Velocity pumps - to order, add HV onto the end of the part #. 2" Available in High Velocity only, also fits standard size pumps.

THE ISOLATOR® W/ DRAIN

FULL PORT FORGED BRASS BALL VALVES W/ HI-FLOW HOSE DRAIN
& BONUS WING STYLE "T" HANDLE, BOLTS & NUTS

ISO 9001:2000
600 WOG

	Item #	Size	ctn/cs	A	B	C	D	E	F	F ^{HV}	G	G ^{HV}	H	I	L
IPS	40413	3/4	2/20	3/4	3 9/16	2 1/4	4	3/8	1/2	-	1	-	2 11/16	4 3/16	1/2
	40414	1	2/20	1	3 5/8	2 3/8	4 5/8	3/8	1/2	5/8	1 1/4	1 1/4	2 11/16	4 3/16	1/2
	40415	1 1/4	2/20	1 1/4	4 1/16	2 7/8	4 5/8	3/8	1/2	5/8	1 9/16	1 9/16	2 11/16	4 3/16	3/4
	40416	1 1/2	2/10	1 1/2	5 1/8	3 1/4	5 1/2	3/8	1/2	5/8	1 15/16	1 15/16	2 11/16	4 3/16	3/4
	40417HV	2	1/10	2	6 1/8	3 1/4	5 1/2	3/8	-	5/8	-	1 15/16	2 11/16	4 3/4	3/4
SWT	50413	3/4	2/20	3/4	3 3/4	2 1/4	4	3/8	1/2	-	1	-	2 11/16	4 3/16	1/2
	50414	1	2/20	1	3 15/16	2 5/8	4 5/8	3/8	1/2	5/8	1 1/4	1 1/4	2 11/16	4 3/16	1/2
	50415	1 1/4	2/20	1 1/4	4 1/4	3	4 5/8	3/8	1/2	5/8	1 9/16	1 9/16	2 11/16	4 3/16	3/4
	50416	1 1/2	2/10	1 1/2	5 1/2	3 1/4	5 1/2	3/8	1/2	5/8	1 15/16	1 15/16	2 11/16	4 3/16	3/4
	50417HV	2	2/10	2	5 1/2	3 1/4	5 1/2	3/8	-	5/8	-	1 15/16	2 11/16	4 3/4	3/4

1" - 1 1/2" Also available for High Velocity pumps - to order, add HV onto the end of the part #.
2" Available in High Velocity only, also fits standard size pumps.

THE ISOLATOR® UNI-FLANGE BALL VALVE CIRCULATOR PUMP INSTALLATION KIT

EVERYTHING BUT THE PUMP!

- 1 ISOLATOR®
- 1 ISOLATOR® W/ DRAIN
- 2 FULL-FACED FLANGE GASKETS
- 2 SETS OF NUTS & BOLTS
- 2 BONUS WING STYLE "T" HANDLES



	Item#	Size	ctn/cs		Item#	Size	ctn/cs
IPS	40413KIT	3/4"	1/10	SWT	50413KIT	3/4"	1/10
	40414KIT	1"	1/10		50414KIT	1"	1/10
	40415KIT	1 1/4"	1/10		50415KIT	1 1/4"	1/10

ROTATING FLANGE

- Unique uni-body design
- Heavy duty all brass construction
- Fully removable flange
- Flush inner & outer flanges prevent over-torquing
- Flange ring offers a more professional look

THE ISOLATOR® W/ ROTATING FLANGE & DRAIN
UNIQUE PATENTED DESIGN



THE ISOLATOR® W/ ROTATING FLANGE



- 1

FLANGED BODY
- 2

END CAP
- 3

SEATS
- 4

BALL
- 5

STEM
- 6

STEM SEAL
- 7

PACKING GLAND
- 8

LEVER HANDLE
- 9

HANDLE NUT
- 10

HANDLE JACKET
- 11

SEAT RETAINER
- 12

DRAIN VALVE
- 13

DRAIN VALVE SEATS
- 14

DRAIN VALVE BALL
- 15

DRAIN VALVE STEM
- 16

DRAIN VALVE STEM SEAL
- 17

DRAIN VALVE HANDLE
- 18

FLANGE BOLTS AND NUTS
- 19

WING STYLE "T" HANDLE
- 20

ROTATING FLANGE
- 21

FLANGE RING

FORGED BRASS

FORGED BRASS

TEFLON® (PTFE)

BRASS/HARD CHROME PLATE

BRASS

TEFLON® (PTFE)

BRASS

C.P. STEEL

BRASS

VINYL

BRASS

FORGED BRASS

TEFLON® (PTFE)

BRASS/HARD CHROME PLATE

BRASS

TEFLON® (PTFE)

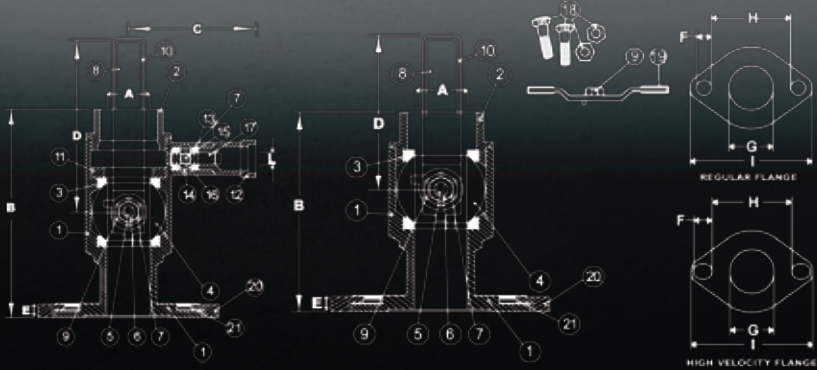
ENAMEL COATED ALUMINUM

STEEL

C.P. STEEL WITH VINYL GRIPS

FORGED BRASS

ABS



All of the same great features and benefits of our original Isolator® line
PLUS a 360° rotating solid forged brass flange

Install these valves at any degree of rotation necessary to make your installation more efficient or simply better looking. There is only one Isolator® guaranteed for life and available only from Webstone!

THE ISOLATOR® W/ ROTATING FLANGE

FULL PORT FORGED BRASS BALL VALVES W/ DETACHABLE ROTATING FLANGE
BONUS WING STYLE "T" HANDLE, BOLTS & NUTS

ISO 9001:2000
600 WOG

	Item #	Size	ctn/cs	A	B	C	D	E	F	FHV	G	GHV	H	I
IPS	41403	3/4	2/20	3/4	2 5/8	3 15/16	4	3/8	1/2	-	1	-	2 11/16	4 3/16
	41404	1	2/20	1	3 1/8	3 1/2	4 5/8	3/8	1/2	5/8	1 1/4	1 1/4	2 11/16	4 3/16
	41405	1 1/4	2/20	1 1/4	3 15/16	2 15/16	4 5/8	3/8	1/2	5/8	1 9/16	1 9/16	2 11/16	4 3/16
	41406	1 1/2	2/20	1 1/4	3 15/16	3 3/8	5 1/2	3/8	1/2	5/8	1 15/16	1 15/16	2 11/16	4 3/16
SWT	51403	3/4	2/20	3/4	2 3/4	2 5/16	4	3/8	1/2	-	1	1	2 11/16	4 3/16
	51404	1	2/20	1	3 3/8	2 9/16	4 5/8	3/8	1/2	5/8	1 1/4	1 1/4	2 11/16	4 3/16
	51405	1 1/4	2/20	1 1/4	4 3/16	2 3/4	4 5/8	3/8	1/2	5/8	1 9/16	1 9/16	2 11/16	4 3/16
	51406	1 1/2	2/20	1 1/4	4 3/16	3 3/8	5 1/2	3/8	1/2	5/8	1 15/16	1 15/16	2 11/16	4 3/16

Also available for High Velocity pumps - to order, add HV onto the end of the part #.

THE ISOLATOR® W/ ROTATING FLANGE & DRAIN

FULL PORT FORGED BRASS BALL VALVES W/ DETACHABLE ROTATING FLANGE & HI-FLOW HOSE DRAIN
BONUS WING STYLE "T" HANDLE, BOLTS & NUTS

ISO 9001:2000
600 WOG

	Item #	Size	ctn/cs	A	B	C	D	E	F	FHV	G	GHV	H	I	L
IPS	41413	3/4	2/20	3/4	3 13/16	2 3/8	4	3/8	1/2	-	1	-	2 11/16	4 3/16	1/2
	41414	1	2/20	1	4 1/4	2 5/8	4 5/8	3/8	1/2	5/8	1 1/4	1 1/4	2 11/16	4 3/16	1/2
	41415	1 1/4	2/20	1 1/4	5 5/16	3 1/16	4 5/8	3/8	1/2	5/8	1 9/16	1 9/16	2 11/16	4 3/16	3/4
	41416	1 1/2	2/10	1 1/4	5 5/16	3 3/8	5 1/2	3/8	1/2	5/8	1 15/16	1 15/16	2 11/16	4 3/16	3/4
SWT	51413	3/4	2/20	3/4	4	2 7/16	4	3/8	1/2	-	1	-	2 11/16	4 3/16	1/2
	51414	1	2/20	1	4 1/2	2 5/8	4 5/8	3/8	1/2	5/8	1 1/4	1 1/4	2 11/16	4 3/16	1/2
	51415	1 1/4	2/20	1 1/4	5 9/16	3 1/16	4 5/8	3/8	1/2	5/8	1 9/16	1 9/16	2 11/16	4 3/16	3/4
	51416	1 1/2	2/10	1 1/4	5 9/16	3 3/8	5 1/2	3/8	1/2	5/8	1 15/16	1 15/16	2 11/16	4 3/16	3/4

Also available for High Velocity pumps - to order, add HV onto the end of the part #.

THE ISOLATOR® UNI-FLANGE BALL VALVE CIRCULATOR PUMP INSTALLATION KIT

EVERYTHING BUT THE PUMP!

- 1 ISOLATOR® W/ ROTATING FLANGE
- 1 ISOLATOR® W/ ROTATING FLANGE & DRAIN
- 2 FULL-FACED FLANGE GASKETS
- 2 SETS OF NUTS & BOLTS
- 2 BONUS WING STYLE "T" HANDLES



	Item#	Size	ctn/cs		Item#	Size	ctn/cs
IPS	41413KIT	3/4"	1/10	SWT	51413KIT	3/4"	1/10
	41414KIT	1"	1/10		51414KIT	1"	1/10
	41415KIT	1 1/4"	1/10		51415KIT	1 1/4"	1/10

CHECK VALVE

- Unique uni-body design
- Heavy duty all brass construction
- Generously sized integral check reduces impact on pump
- Easy removal of check feature allows for easy maintenance
- Replacement check components available

THE ISOLATOR® CHECK VALVE



THE ISOLATOR® CHECK VALVE W/ ROTATING FLANGE



All of the same great features and benefits of our original Isolator® line
PLUS a replaceable integral spring loaded check valve

These valves are available in a variety of configurations and feature one of the largest flow areas available anywhere. There is only one Isolator® guaranteed for life and available only from Webstone!

THE ISOLATOR® CHECK VALVE

FULL PORT FORGED BRASS BALL VALVES W/ REPLACEABLE INTEGRAL SPRING CHECK
BONUS LEVER HANDLE, BOLTS & NUTS

ISO 9001:2000
150 PSI @ 200°F

	Item #	Size	ctn/cs	A	B	C	D	E	F	F ^{HV}	G	G ^{HV}	H	I
IPS	42403	3/4	1/10	3/4	3 1/4	2 1/4	4	3/8	1/2	-	1	-	2 11/16	4 3/16
	42404	1	1/10	1	4 1/16	2 1/2	4 5/8	3/8	1/2	5/8	1 1/4	1 1/4	2 11/16	4 3/16
	42405	1 1/4	1/10	1 1/4	4 15/16	2 15/16	4 5/8	3/8	1/2	5/8	1 9/16	1 9/16	2 11/16	4 3/16
	42406	1 1/2	1/10	1 1/2	4 15/16	3 3/8	5 1/2	3/8	1/2	5/8	1 15/16	1 15/16	2 11/16	4 3/16
	42407HV	2	1/10	1 1/2	5 15/16	3 1/2	5 1/2	3/8	-	5/8	-	1 15/16	2 11/16	4 3/4
SWT	52403	3/4	1/10	3/4	3 7/16	2 5/16	4	3/8	1/2	-	1	-	2 11/16	4 3/16
	52404	1	1/10	1	4 7/16	2 1/2	4 5/8	3/8	1/2	5/8	1 1/4	1 1/4	2 11/16	4 3/16
	52405	1 1/4	1/10	1 1/4	5 13/16	2 15/16	4 5/8	3/8	1/2	5/8	1 9/16	1 9/16	2 11/16	4 3/16
	52406	1 1/2	1/10	1 1/2	5 13/16	3 3/8	5 1/2	3/8	1/2	5/8	1 15/16	1 15/16	2 11/16	4 3/16
	52407HV	2	1/10	1 1/2	6 3/16	3 1/2	5 1/2	3/8	-	5/8	-	1 15/16	2 11/16	4 3/4

1" - 1 1/2" Also available for High Velocity pumps - to order, add HV onto the end of the part #. 2" Available in High Velocity only, also fits standard size pumps.

THE ISOLATOR® CHECK VALVE W/ ROTATING FLANGE

FULL PORT FORGED BRASS BALL VALVES W/ REPLACEABLE INTEGRAL SPRING CHECK
& DETACHABLE ROTATING FLANGE, BONUS LEVER HANDLE, BOLTS & NUTS

ISO 9001:2000
150 PSI @ 200°F

	Item #	Size	ctn/cs	A	B	C	D	E	F	F ^{HV}	G	G ^{HV}	H	I
IPS	43403	3/4	1/10	3/4	3 1/4	2 1/4	4	3/8	1/2	-	1	-	2 11/16	4 3/16
	43404	1	1/10	1	4 1/16	2 1/2	4 5/8	3/8	1/2	5/8	1 1/4	1 1/4	2 11/16	4 3/16
	43405	1 1/4	1/10	1 1/4	4 15/16	2 15/16	4 5/8	3/8	1/2	5/8	1 9/16	1 9/16	2 11/16	4 3/16
	43406	1 1/2	1/10	1 1/4	4 15/16	3 3/8	5 1/2	3/8	1/2	5/8	1 15/16	1 15/16	2 11/16	4 3/16
SWT	53403	3/4	1/10	3/4	3 7/16	2 5/16	4	3/8	1/2	-	1	-	2 11/16	4 3/16
	53404	1	1/10	1	4 7/16	2 1/2	4 5/8	3/8	1/2	5/8	1 1/4	1 1/4	2 11/16	4 3/16
	53405	1 1/4	1/10	1 1/4	5 3/16	2 15/16	4 5/8	3/8	1/2	5/8	1 9/16	1 9/16	2 11/16	4 3/16
	53406	1 1/2	1/10	1 1/4	5 3/16	3 3/8	5 1/2	3/8	1/2	5/8	1 15/16	1 15/16	2 11/16	4 3/16

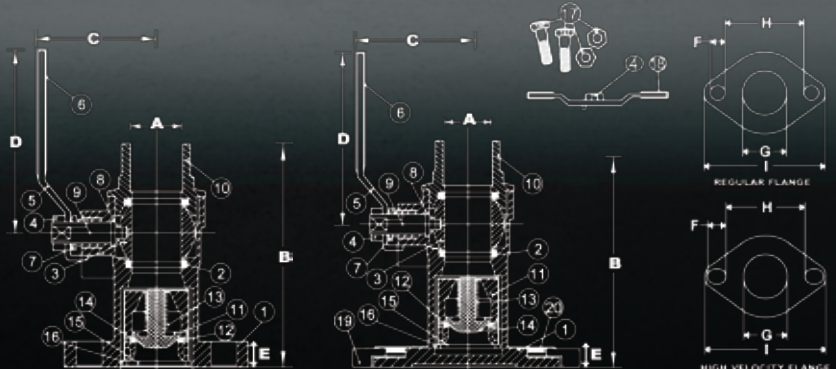
Also available for High Velocity pumps - to order, add HV onto the end of the part #.

THE ISOLATOR® CHECK VALVE ACCESSORIES

AVAILABLE TO MAKE YOUR JOB EASIER
REPLACEMENT INTEGRAL CHECK
REPLACEMENT RETAINING RING



- | | |
|--------------------------|-----------------------------|
| 1 FLANGED BODY | FORGED BRASS |
| 2 SEATS | TEFLON® (PTFE) |
| 3 BALL | BRASS/HARD CHROME PLATE |
| 4 HANDLE NUT | BRASS |
| 5 LEVER HANDLE | C.P. STEEL |
| 6 HANDLE JACKET | VINYL |
| 7 PACKING GLAND | BRASS |
| 8 STEM SEAL | TEFLON® (PTFE) |
| 9 STEM | BRASS |
| 10 END CAP | FORGED BRASS |
| 11 CHECK VALVE BODY | ABS |
| 12 O-RING - INNER SEAL | NBR |
| 13 SPRING | 316 STAINLESS STEEL |
| 14 POPPET | ABS |
| 15 O-RING - OUTER SEAL | ABS |
| 16 RETAINING RING | 316 STAINLESS STEEL |
| 17 FLANGE BOLTS AND NUTS | STEEL |
| 18 WING STYLE "T" HANDLE | C.P. STEEL WITH VINYL GRIPS |
| 19 ROTATING FLANGE | FORGED BRASS |
| 20 FLANGE RING | ABS |



INTEGRAL CHECK	Item#	Size	ctn/cs	REPLACEMENT INTEGRAL CHECK	Item#	Size	ctn/cs
	C42403	3/4"	1/100		RR42403	3/4"	1/100
	C42404	1"	1/100		RR42404	1"	1/100
	C42405	1 1/4"	1/100		RR42405	1 1/4"	1/100
	C42406	1 1/2"	1/100		RR42406	1 1/2"	1/100

FEATURES

- Patented design
- Exclusive purge, drain and fill features
- Heavy duty brass construction
- Full port for unrestricted flow
- Prevents electrolysis & eliminates galvanic corrosion
- Uni-body construction reduces leak paths
- Includes mounting bolts, nuts & an additional wing style "T" or lever handle
- Allows virtually no air into the system upon pump replacement
- Fits most circulator pumps
- Adjustable packing gland for lifetime protection
- Available with slotted holes for high velocity pumps
- More high velocity models than any other program
- Threaded ends comply with ANSI B16.18
- Solder ends comply with ANSI B1.20.7
- Hose threads comply with ANSI B1.20.7

The Only Way to Isolate T Circulator Pumps

The full line of Webstone Isolator® Valves continues to grow with more choices, more solutions and more versatility than ever before. Webstone is the originator of the Isolator® Uni-Flange Ball Valve and we continue to have the largest and most complete line available anywhere. Whether your needs are basic and require a flanged ball valve for use with your circulator pumps or if your needs are more diverse and you require a rotating flange, built-in check valve, or purge, drain and fill features, Webstone is the only valve manufacturer that has a model for every need.

The full line of Webstone Isolator® valves are designed for residential and commercial use with water or oil. The forged brass body and flange

provide strength and versatility for any application where a pipe and flange meet. The entire line of Webstone Isolator® valves feature a solid hard chrome plated brass ball with reinforced Teflon® seats and a blowout proof stem sealed with Teflon® (PTFE), actuated by a vinyl coated stamped steel handle. The solid brass flange when seated with a rubber gasket eliminates the problem of electrolysis commonly incurred when connecting an iron flange to copper tubing. Mounting bolts, nuts and an additional wing style "T" or lever handle are included with each valve. Choose the original, choose the best, and choose the only flanged ball valve program backed by a lifetime warranty*.

*Contact Webstone for complete details on The Web Warranty.

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