

The ISOLATOR[®]
E·X·P
TWH SERVICE VALVES

Webstone

VALVE INNOVATION

THE **ONLY** WAY TO INSTALL
ANY **TANKLESS**
WATER HEATER

PATENTED TECHNOLOGY





THE ORIGINAL TANKLESS WATER HEATER SERVICE VALVES

- Heavy duty full port forged brass with full port main flow channel & drain
- 304 Stainless steel wing handle for easy actuation of the main ball
- Color coded insulator rings for easy identification of hot & cold valves
- Aluminum handle for easy actuation of the drain ball
- Available in threaded, sweat, & push on connections
- Available with or without a pressure relief valve

PATENTED TECHNOLOGY

ISOLATOR® E-X-P™ TANKLESS WATER HEATER SERVICE VALVE KIT

Hot & Cold Set of Full Port Forged Brass Ball Valves
w/ Hi-Flow Hose Drains & Pressure Relief Valve Outlet

600 WOG*
ISO 9001

	ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
IPS UNION x IPS	40443	3/4"	1/8	3/4	4 15/16	1 1/2	1 13/16	2 7/8	3/4	3/4
IPS UNION x SWT	50443	3/4"	1/8	3/4	4 15/16	1 1/2	1 13/16	2 7/8	3/4	3/4
IPS UNION x PUSH	60443	3/4"	1/8	3/4	6 1/8	1 3/4	1 7/8	2 7/8	3/4	3/4

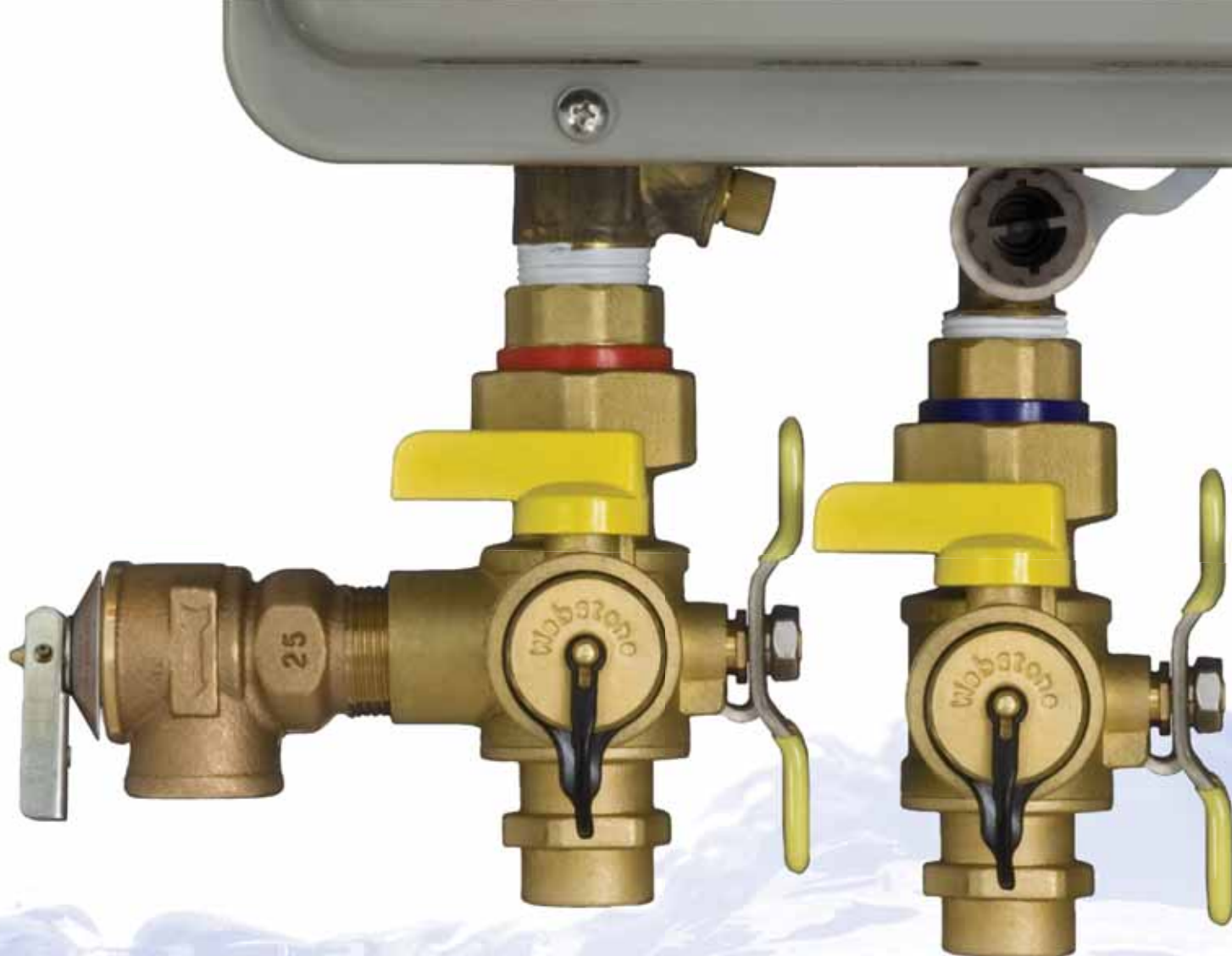
INCLUDES RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)

	ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
IPS UNION x IPS	40443PR	3/4"	1/8	3/4	4 15/16	1 1/2	1 13/16	2 7/8	3/4	3/4
IPS UNION x SWT	50443PR	3/4"	1/8	3/4	4 15/16	1 1/2	1 13/16	2 7/8	3/4	3/4
IPS UNION x PUSH	60443PR	3/4"	1/8	3/4	6 1/8	1 3/4	1 7/8	2 7/8	3/4	3/4

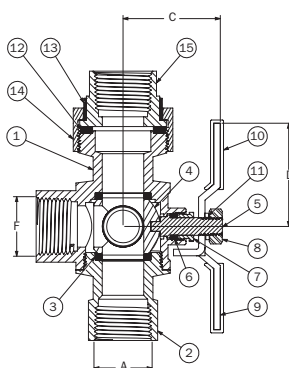
INCLUDES COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) & 3/4" CLOSE NIPPLE

	ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
IPS UNION x IPS	40443PR2	3/4"	1/6	3/4	4 15/16	1 1/2	1 13/16	2 7/8	3/4	3/4
IPS UNION x SWT	50443PR2	3/4"	1/6	3/4	4 15/16	1 1/2	1 13/16	2 7/8	3/4	3/4
IPS UNION x PUSH	60443PR2	3/4"	1/6	3/4	6 1/8	1 3/4	1 7/8	2 7/8	3/4	3/4

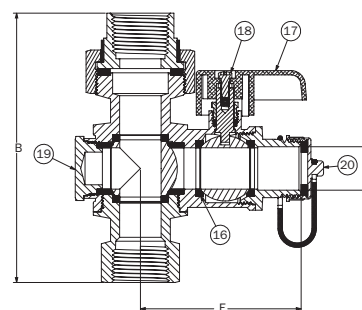
* IPS Union x Push rated 200 WOG @ 180°F Max Temp



NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEAT	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	HANDLE NUT	STAINLESS STEEL
9	WING STYLE "T" HANDLE	STAINLESS STEEL
10	HANDLE JACKET	VINYL
11	LOCK WASHER	STAINLESS STEEL
12	UNION WASHER	EPDM
13	COLOR INSULATOR RING	ABS
14	UNION NUT	BRASS
15	UNION FITTING	BRASS
16	RETAINING SEATS	PTFE
17	DRAIN VALVE HANDLE	ENAMEL COATED ALUMINUM
18	DRAIN VALVE HANDLE SCREW	BRASS
19	RETAINING NUT	BRASS
20	CAP & STRAP	BRASS W/ EPDM HOSE WASHER

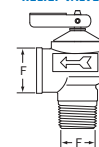


HOT

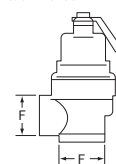


COLD

RESIDENTIAL PRESSURE RELIEF VALVE



COMMERCIAL PRESSURE RELIEF VALVE & 3/4" CLOSE NIPPLE



AVAILABLE AS:

The ISOLATOR®
E·X·P
 TWH SERVICE VALVES
 COMPLETE



- CHOICE OF IPS OR SWT EXP TWH SERVICE VALVES
- 200,000 BTU PRESSURE RELIEF VALVE
- 24" x 3/4" GAS FLEX LINE
- 3/4" CGA GAS BALL VALVE

PART #	DESCRIPTION
40443COM	IPS ISOLATOR® E-X-P™ Complete
50443COM	SWT ISOLATOR® E-X-P™ Complete

NEED A CUSTOM KIT? CALL OUR SALES PROFESSIONALS AT (800) 225-9529 TO DESIGN A KIT TO MEET YOUR SPECIFIC NEEDS.



COMPACT VERSION OF OUR ORIGINAL ISOLATOR E-X-P

- Heavy duty full port forged brass with full port main flow channel
- Uniquely designed lever/wing handle for easy actuation of the main ball
- Color coded aluminum handles for easy identification of hot & cold valves
- Large drain port
- Available in threaded & sweat connections
- Available with your choice of three different pressure relief valves

PATENTED TECHNOLOGY

ISOLATOR® E-X-P E2™ TANKLESS WATER HEATER SERVICE VALVE KITS

Hot & Cold Set of Full Port Forged Brass Ball Valves w/ Hi-Flow Hose Drains & Pressure Relief Valve Outlet

500 WOG

INCLUDES RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)

	ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
IPS UNION x IPS	44443PR	3/4	1/10	3/4	4 1/4	1 5/8	2 5/8	2 3/4	3/4	1/2
	44444PR	1	1/10	1	5	2 3/8	2 3/8	2 3/4	3/4	3/4
IPS UNION x SWT	54443PR	3/4	1/10	3/4	4 3/4	1 5/8	2 5/8	2 3/4	3/4	1/2
	54444PR	1	1/10	1	5 1/8	2 3/8	2 3/8	2 3/4	3/4	3/4

INCLUDES RESIDENTIAL PRESSURE RELIEF VALVE (30 PSI/200,000 BTU)

	ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
IPS UNION x IPS	44443PR3	3/4	1/10	3/4	4 1/4	1 5/8	2 5/8	2 3/4	3/4	1/2
	44444PR3	1	1/10	1	5	2 3/8	2 3/8	2 3/4	3/4	3/4
IPS UNION x SWT	54443PR3	3/4	1/10	3/4	4 3/4	1 5/8	2 5/8	2 3/4	3/4	1/2
	54444PR3	1	1/10	1	5 1/8	2 3/8	2 3/8	2 3/4	3/4	3/4

INCLUDES COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) & 3/4" CLOSE NIPPLE

	ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
IPS UNION x IPS	44443PR2	3/4	1/6	3/4	4 1/4	1 5/8	2 5/8	2 3/4	3/4	1/2
	44444PR2	1	1/6	1	5	2 3/8	2 3/8	2 3/4	3/4	3/4
IPS UNION x SWT	54443PR2	3/4	1/6	3/4	4 3/4	1 5/8	2 5/8	2 3/4	3/4	1/2
	54444PR2	1	1/6	1	5 1/8	2 3/8	2 3/8	2 3/4	3/4	3/4

ISOLATOR® E-X-P E2™ TANKLESS WATER HEATER SERVICE VALVE KITS WITH CLEANBRASS CONSTRUCTION

Hot & Cold Set of Full Port Forged Brass Ball Valves w/ Hi-Flow Hose Drains & Pressure Relief Valve Outlet

500 WOG

INCLUDES RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)

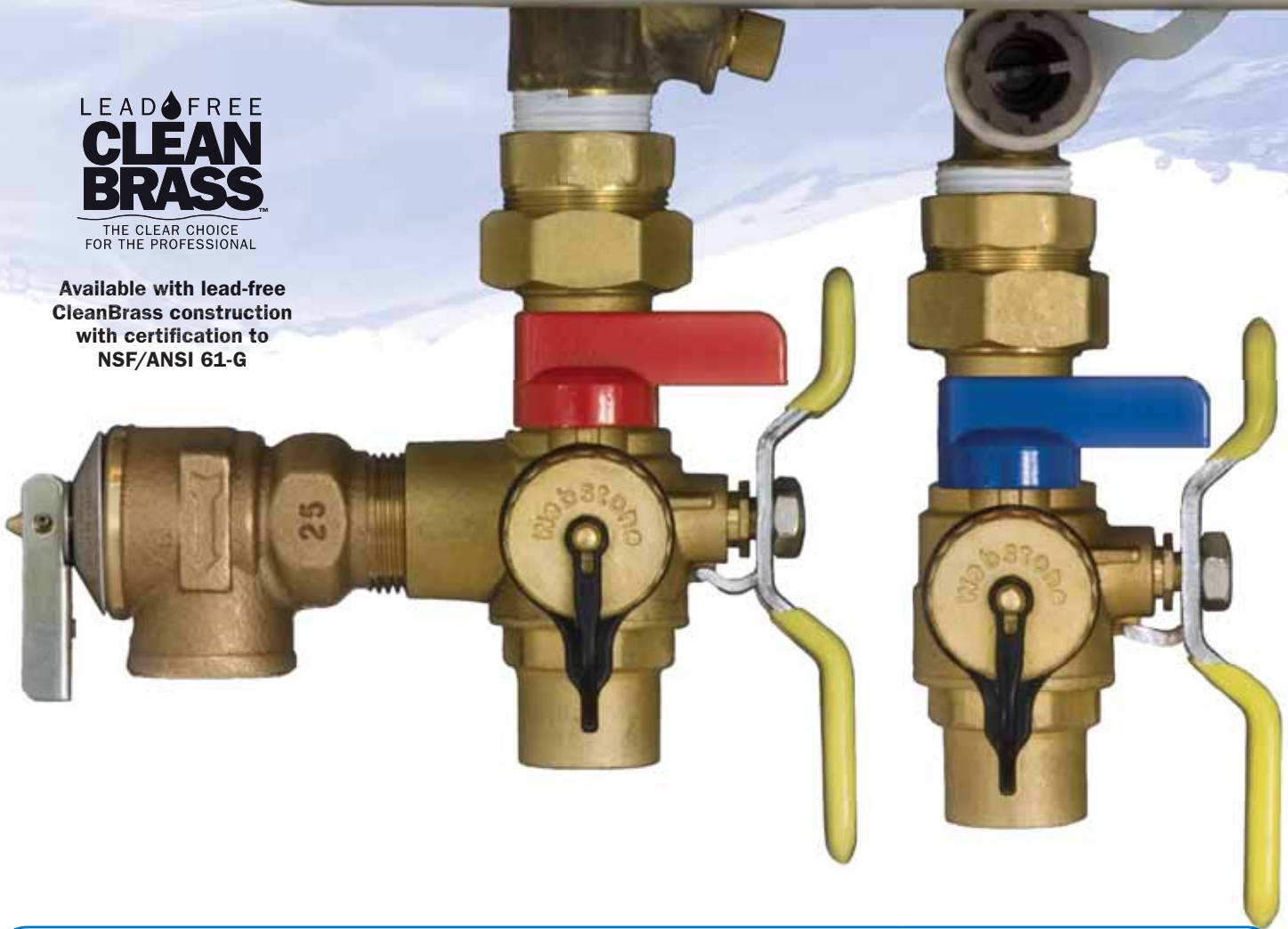
	ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
IPS UNION x IPS	44043PR	3/4	1/10	3/4	4 1/4	1 5/8	2 5/8	2 3/4	3/4	1/2
	44044PR	1	1/10	1	5	2 3/8	2 3/8	2 3/4	3/4	3/4
IPS UNION x SWT	54043PR	3/4	1/10	3/4	4 3/4	1 5/8	2 5/8	2 3/4	3/4	1/2
	54044PR	1	1/10	1	5 1/8	2 3/8	2 3/8	2 3/4	3/4	3/4

INCLUDES COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) & 3/4" CLOSE NIPPLE

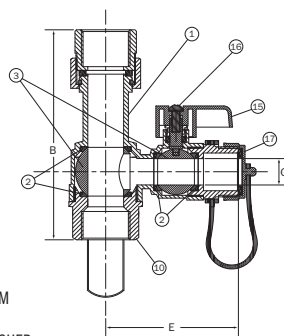
	ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
IPS UNION x IPS	44043PR2	3/4	1/6	3/4	4 1/4	1 5/8	2 5/8	2 3/4	3/4	1/2
	44044PR2	1	1/6	1	5	2 3/8	2 3/8	2 3/4	3/4	3/4
IPS UNION x SWT	54043PR2	3/4	1/6	3/4	4 3/4	1 5/8	2 5/8	2 3/4	3/4	1/2
	54044PR2	1	1/6	1	5 1/8	2 3/8	2 3/8	2 3/4	3/4	3/4

LEAD FREE
**CLEAN
 BRASS**
 THE CLEAR CHOICE
 FOR THE PROFESSIONAL

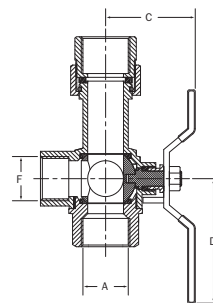
Available with lead-free
 CleanBrass construction
 with certification to
 NSF/ANSI 61-G



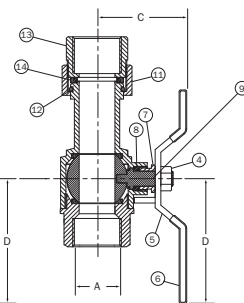
NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	SEATS	PTFE
3	BALL	BRASS HCP
4	HANDLE NUT	STAINLESS STEEL
5	WING STYLE "T" HANDLE	STEEL CP
6	HANDLE JACKET	VINYL
7	PACKING GLAND	BRASS
8	STEM SEAL	PTFE
9	STEM	BRASS
10	END CAP	BRASS
11	UNION NUT	BRASS
12	RETAINING RING	STAINLESS STEEL
13	UNION FITTING	BRASS
14	WASHER	EPDM
15	DRAIN VALVE HANDLE	ENAMEL COATED ALUMINUM
16	DRAIN VALVE HANDLE SCREW	BRASS
17	CAP & STRAP	BRASS W/ EPDM HOSE WASHER



DRAIN

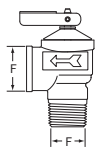


HOT

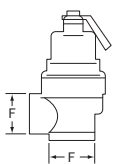


COLD

RESIDENTIAL PRESSURE
 RELIEF VALVE



COMMERCIAL PRESSURE
 RELIEF VALVE
 & 3/4" CLOSE NIPPLE



AVAILABLE AS:

The ISOLATOR[®]
E·X·P
 TWH SERVICE VALVES
COMPLETE



- CHOICE OF IPS OR SWT E2 TWH SERVICE VALVES
- 200,000 BTU PRESSURE RELIEF VALVE
- 24" x 3/4" GAS FLEX LINE
- 3/4" CGA GAS BALL VALVE

PART #	DESCRIPTION
44443COM	IPS ISOLATOR [®] E-X-P [™] E2 Complete
54443COM	SWT ISOLATOR [®] E-X-P [™] E2 Complete
44043COM	IPS ISOLATOR [®] E-X-P [™] E2 w/ CleanBrass Complete
54043COM	SWT ISOLATOR [®] E-X-P [™] E2 w/ CleanBrass Complete

NEED A CUSTOM KIT? CALL OUR SALES PROFESSIONALS AT (800) 225-9529 TO DESIGN A KIT TO MEET YOUR SPECIFIC NEEDS.

The ISOLATOR[®] E·X·P E3 TWH SERVICE VALVES

COMPACT VERSION OF OUR ORIGINAL ISOLATOR E-X-P WITH AN ADJUSTABLE PRESSURE RELIEF VALVE OUTLET

- Adjustable pressure relief valve fitting for use with pipe covers & recessed boxes
- Heavy duty full port forged brass with full port main flow channel
- Uniquely designed lever/wing handle for easy actuation of the main ball
- Color coded aluminum handles for actuation of the drain ball
- Large drain port outlets
- Available in threaded & sweat connections
- Available with your choice of three different pressure relief valves

PATENTED TECHNOLOGY

ISOLATOR[®] E-X-P E3™ TANKLESS WATER HEATER SERVICE VALVE KITS

Hot & Cold Set of Full Port Forged Brass Ball Valves w/ Hi-Flow Hose Drains & Adjustable Pressure Relief Valve Outlet

500 WOG

INCLUDES RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)

	ITEM #	SIZE	CTN/CASE	A	B (COLD)	B (HOT)	C	D	E	F	G
IPS UNION x IPS	45443PR	3/4	1/10	3/4	4 1/4	5 7/8	1 5/8	2 5/8	2 3/4	3/4	1/2
IPS UNION x SWT	55443PR	3/4	1/10	3/4	4 3/4	6 3/8	1 5/8	2 5/8	2 3/4	3/4	1/2

INCLUDES RESIDENTIAL PRESSURE RELIEF VALVE (30 PSI/200,000 BTU)

	ITEM #	SIZE	CTN/CASE	A	B (COLD)	B (HOT)	C	D	E	F	G
IPS UNION x IPS	45443PR3	3/4	1/10	3/4	4 1/4	5 7/8	1 5/8	2 5/8	2 3/4	3/4	1/2
IPS UNION x SWT	55443PR3	3/4	1/10	3/4	4 3/4	6 3/8	1 5/8	2 5/8	2 3/4	3/4	1/2

INCLUDES COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) & 3/4" CLOSE NIPPLE

	ITEM #	SIZE	CTN/CASE	A	B (COLD)	B (HOT)	C	D	E	F	G
IPS UNION x IPS	45443PR2	3/4	1/6	3/4	4 1/4	5 7/8	1 5/8	2 5/8	2 3/4	3/4	1/2
IPS UNION x SWT	55443PR2	3/4	1/6	3/4	4 3/4	6 3/8	1 5/8	2 5/8	2 3/4	3/4	1/2

ISOLATOR[®] E-X-P E3™ TANKLESS WATER HEATER SERVICE VALVE KITS WITH CLEANBRASS CONSTRUCTION

Hot & Cold Set of Full Port Forged Brass Ball Valves w/ Hi-Flow Hose Drains & Adjustable Pressure Relief Valve Outlet

500 WOG

INCLUDES RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)

	ITEM #	SIZE	CTN/CASE	A	B (COLD)	B (HOT)	C	D	E	F	G
IPS UNION x IPS	45043PR	3/4	1/10	3/4	4 1/4	5 7/8	1 5/8	2 5/8	2 3/4	3/4	1/2
IPS UNION x SWT	55043PR	3/4	1/10	3/4	4 3/4	6 3/8	1 5/8	2 5/8	2 3/4	3/4	1/2

INCLUDES COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) & 3/4" CLOSE NIPPLE

	ITEM #	SIZE	CTN/CASE	A	B (COLD)	B (HOT)	C	D	E	F	G
IPS UNION x IPS	45043PR2	3/4	1/6	3/4	4 1/4	5 7/8	1 5/8	2 5/8	2 3/4	3/4	1/2
IPS UNION x SWT	55043PR2	3/4	1/6	3/4	4 3/4	6 3/8	1 5/8	2 5/8	2 3/4	3/4	1/2

AVAILABLE AS:

The ISOLATOR[®]
E·X·P
TWH SERVICE VALVES
COMPLETE



- CHOICE OF IPS OR SWT E3 TWH SERVICE VALVES
- 200,000 BTU PRESSURE RELIEF VALVE
- 24" x 3/4" GAS FLEX LINE
- 3/4" CGA GAS BALL VALVE

PART #	DESCRIPTION
45443COM	IPS ISOLATOR [®] E-X-P™ E3 Complete
55443COM	SWT ISOLATOR [®] E-X-P™ E3 Complete
45043COM	IPS ISOLATOR [®] E-X-P™ E3 w/ CleanBrass Complete
55043COM	SWT ISOLATOR [®] E-X-P™ E3 w/ CleanBrass Complete

NEED A CUSTOM KIT? CALL OUR SALES PROFESSIONALS AT (800) 225-9529 TO DESIGN A KIT TO MEET YOUR SPECIFIC NEEDS.

**A PERFECT FIT FOR INSTALLATION
IN RECESSED BOXES
OR OTHER TIGHT QUARTERS**

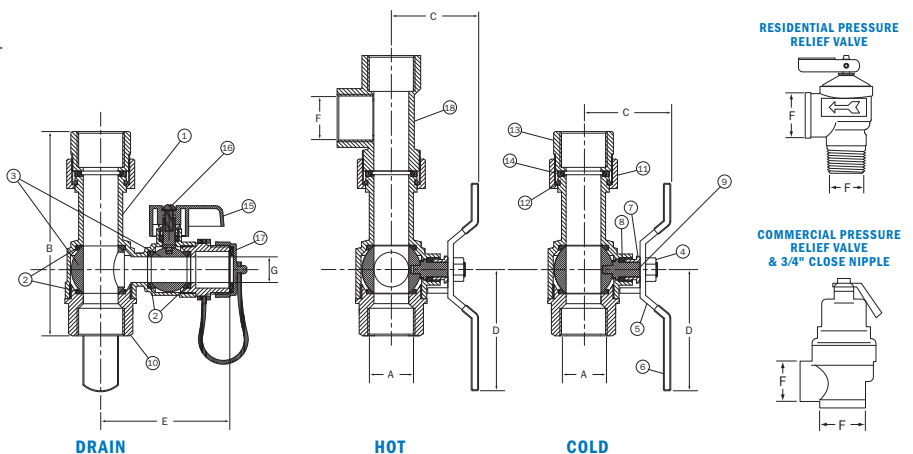
ADJUSTABLE 180°



**LEAD FREE
CLEAN
BRASS™**
THE CLEAR CHOICE
FOR THE PROFESSIONAL

Available with lead-free
CleanBrass construction
with certification to
NSF/ANSI 61-G

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	SEATS	PTFE
3	BALL	BRASS HCP
4	HANDLE NUT	STAINLESS STEEL
5	WING STYLE "T" HANDLE	STEEL CP
6	HANDLE JACKET	VINYL
7	PACKING GLAND	BRASS
8	STEM SEAL	PTFE
9	STEM	BRASS
10	END CAP	BRASS
11	UNION NUT	BRASS
12	RETAINING RING	STAINLESS STEEL
13	UNION FITTING	BRASS
14	WASHER	EPDM
15	DRAIN VALVE HANDLE	ENAMEL COATED ALUMINUM
16	DRAIN VALVE HANDLE SCREW	BRASS
17	CAP & STRAP	BRASS W/ EPDM HOSE WASHER
18	RELOCATION ADAPTER (HOT)	BRASS

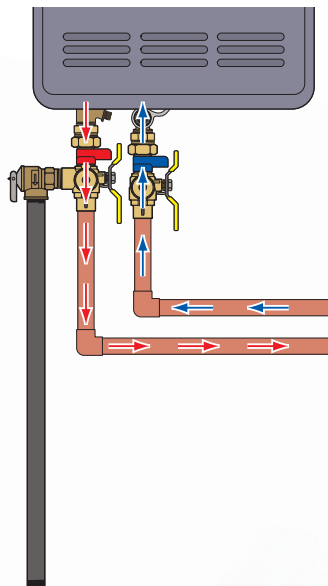


The ISOLATOR[®] E·X·P[™] TWH SERVICE VALVES

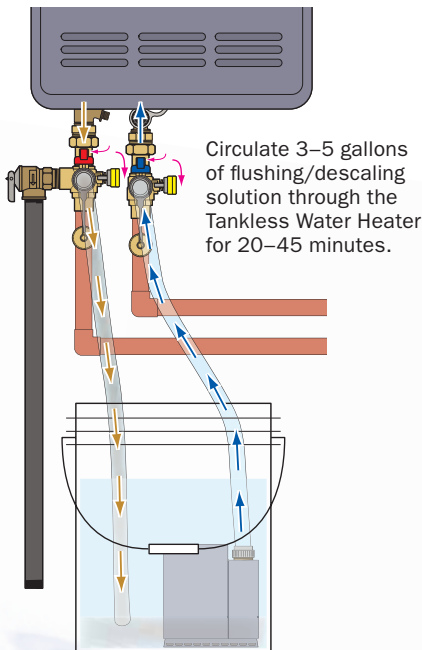
ADVANTAGES

- Quicker, consistent quality installation
- Fewer leak paths
- Allows for easy cleaning or flushing of system
- Allows for one person diagnostic testing of water heater unit

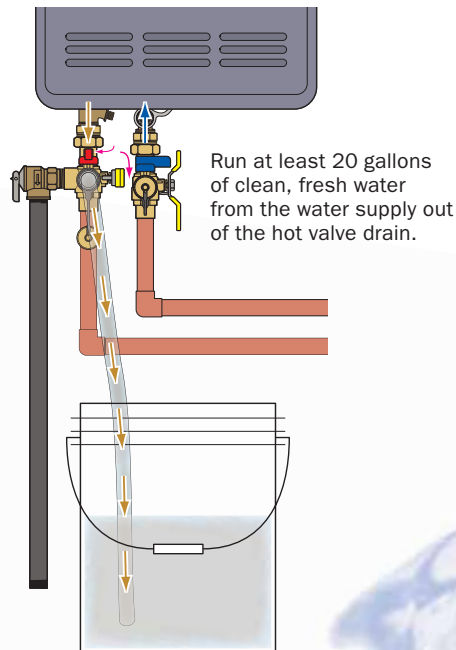
NORMAL OPERATION



CLEANING



FLUSHING



ISOLATOR[®] E·X·P[™] ACCESSORIES AVAILABLE TO MAKE YOUR JOB EASIER



RELOCATION ADAPTER KITS

Use this kit to relocate the direction of the pressure relief valve in recessed boxes, tight or unique installations

FITS	ITEM #	SIZE	CTN/CASE	WT/CASE
EXP	28003	3/4"	1/100	85
E2	28023	3/4"	1/100	55
E2 w/ CleanBrass	28023-LF	3/4"	10/40	22



1/2" UNION ADAPTER KITS

Use these kits to change the inlet connection of your service valves from 3/4" to 1/2"

FITS	ITEM #	SIZE	CTN/CASE	WT/CASE
EXP	40463	3/4" x 1/2"	1/50	23
E2 OR E3	29032	3/4" x 1/2"	BULK	BULK



PRESSURE RELIEF VALVES

RESIDENTIAL PRESSURE RELIEF VALVES

	ITEM #	SIZE	CTN/CASE	WT/CASE
150 PSI/200,000 BTU	20713	3/4"	1/100	49
150 PSI/200,000 BTU w/ CleanBrass	20013	3/4"	1/100	49
30 PSI/200,000 BTU	20733	3/4"	1/100	49

COMMERCIAL PRESSURE RELIEF VALVES (Requires close nipple # 29003)

	ITEM #	SIZE	CTN/CASE	WT/CASE
150 PSI/2.7 MILLION BTU	20723	3/4"	1/24	31
CLOSE NIPPLE	29003	3/4"	BULK	BULK

Webstone
VALVE INNOVATION

ONE APPIAN WAY WORCESTER, MA 01610
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www.webstonevalves.com