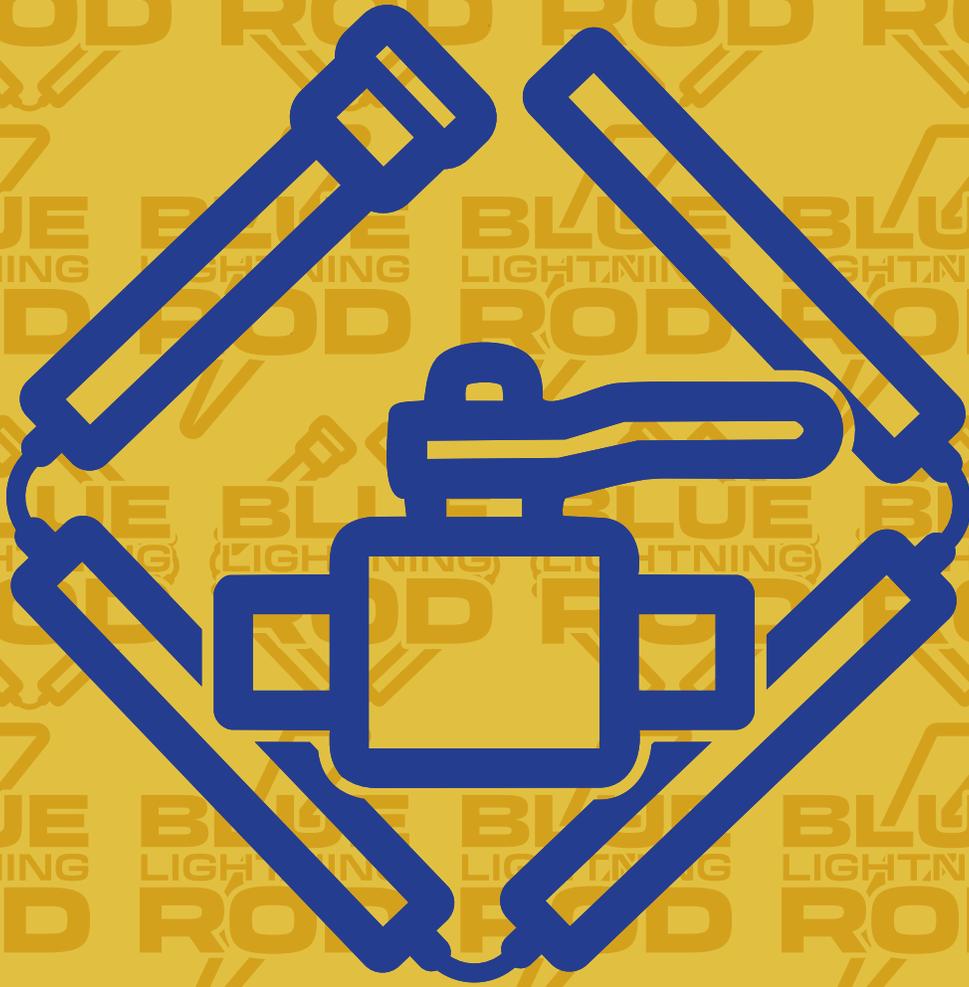


# Water Heater Smart

THE SMART CHOICE



# CATALOG

3655 East La Salle Street  
Phoenix, Arizona 85040

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[sales@waterheatersmart.com](mailto:sales@waterheatersmart.com)

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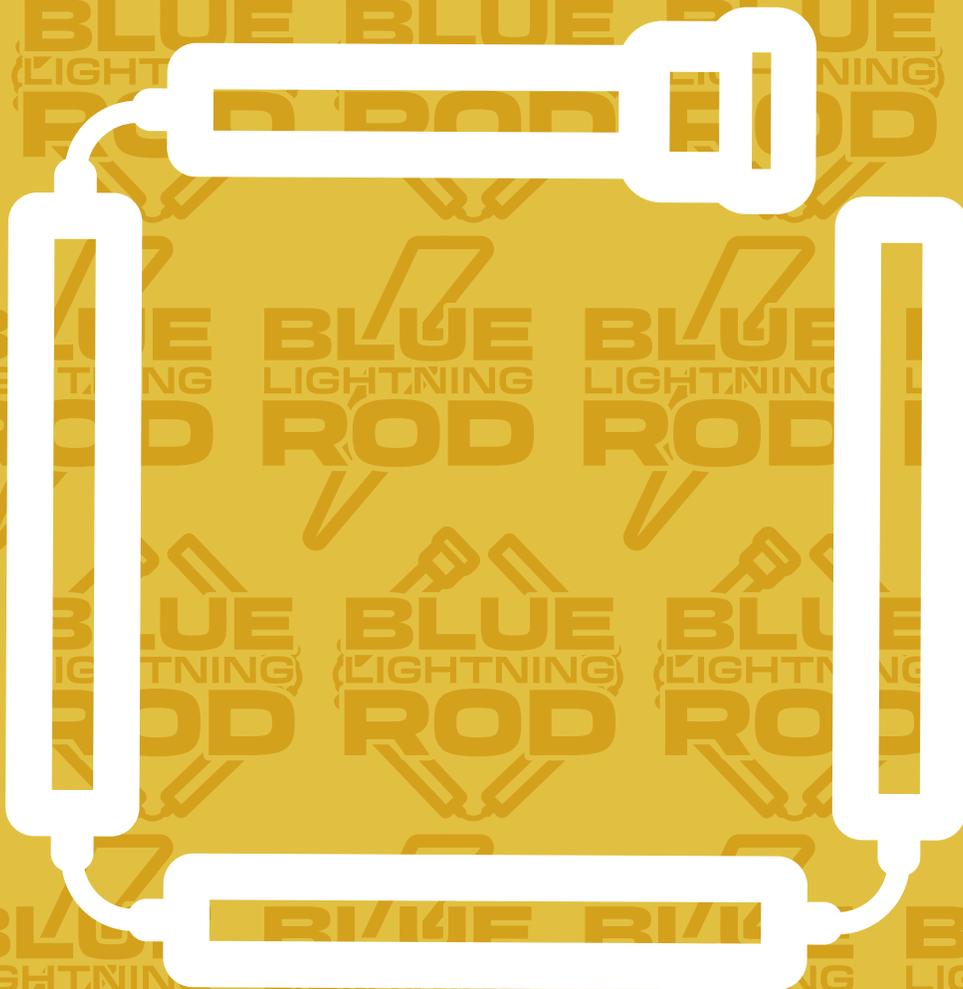
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## TERMS OF SALE & WARRANTY

# ANODE RODS



# ANODE RODS

## EVERY WATER HEATER HAS ONE

The lifespan of a water heater depends on the condition of the anode rod. It is a part of any new water heater and used by manufacturers to extend tank life. Plumbers do not generally consider anode rod maintenance important and most water heater owners do not know it is there.

## PROTECTS AGAINST CORROSION

Water corrodes the metal interior of every water heater. Anode rods attract the corrosive materials and corrode instead of the water heater.

## ANODE ATTRACTS THE CORROSIVE PROPERTIES

In normal operation, the water heater tank is subject to deterioration from a process called electrolysis. Exposed metal corrodes and deteriorates in this process, which will lead to water heater tank leakage. The water heater tank is steel. The anode rod, which is aluminum/zinc or magnesium, will attract the corrosive properties away from the steel tank.

## ENSURING THE ANODE IS APPROPRIATELY REPLACED

An Anode Rod's lifespan depends on a number of variables, including water quality, tank use, water temperature and tank quality.

## SHOULD BE CHECKED EVERY TWO YEARS.



# LIFE CYCLE

Knowing what an anode rod looks like through its life-cycle is very important to maintaining and prolonging the life of a water heater. Below are three examples of what an anode rod looks like brand new, during use, and when it's time for a replacement.

## NEW



## DOING ITS JOB



## <25% REMAINING (REPLACE SOON)



# SPECIFICATION SHEET



## MAGNESIUM

Magnesium on a steel rod. Sectional connections made with stainless steel couplers and 301 stainless steel braided wire.

- Most Common Application
- Stainless Steel Couplers
- Stainless Steel Braided Wire

## CHEMICAL COMPOSITION

Magnesium	95.4%
Aluminum	3.15%
Iron	0.3%
Manganese	0.44%
Silicon	0.01%
Zinc	0.70%

# MAGNESIUM FLEXIBLE

1017400

- 3/4" mip Plug
- 3/4" Diameter Rod
- 44" Length
- 4 Sections



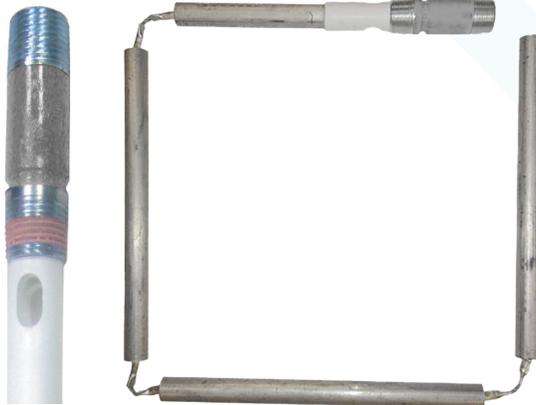
1017420  
(Kit)\*

**\*ADD TO MAKE KIT**



1017410

- 3/4" x 3" Nipple
- 3/4" Diameter Rod
- 44" Length
- 4 Sections



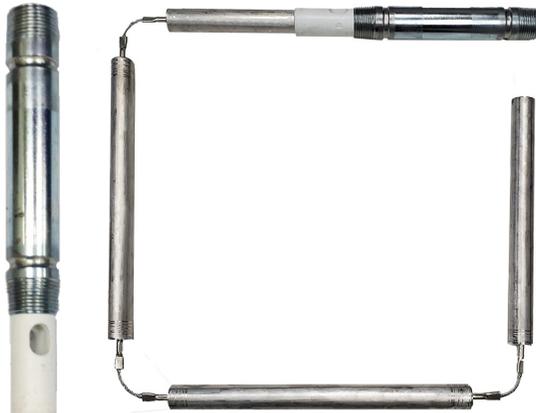
1017430  
(Kit)\*

**\*ADD TO MAKE KIT**



1017440

- 3/4" x 6" Nipple
- 3/4" Diameter Rod
- 47" Length
- 4 Sections



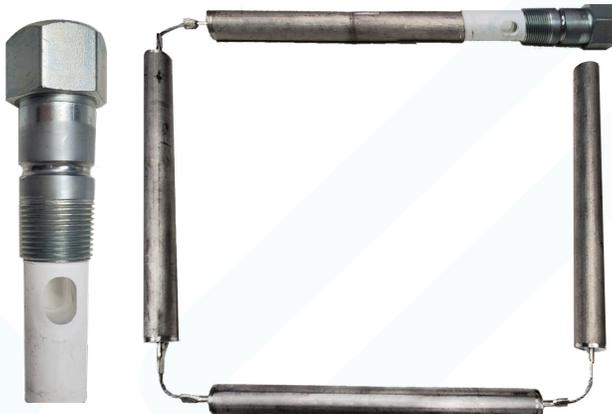
1017441  
(Kit)\*

**\*ADD TO MAKE KIT**



1017450

- 3/4" mip x 3/4" fip Nipple
- 3/4" Diameter Rod
- 44" Length
- 4 Sections



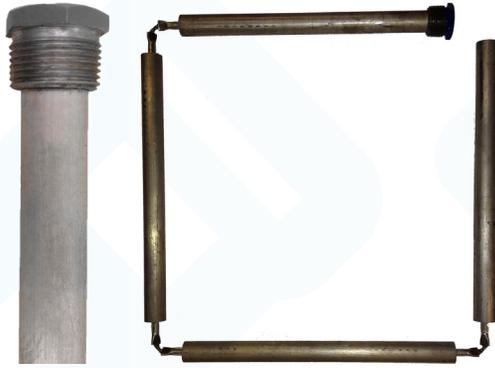
1017451  
(Kit)\*

**\*ADD TO MAKE KIT**



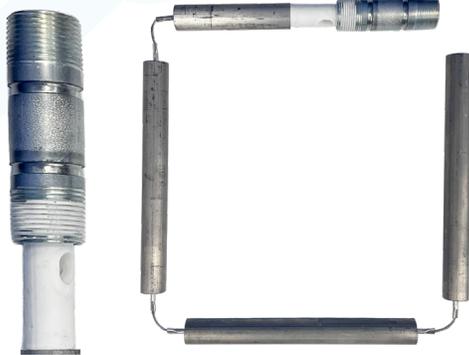
# MAGNESIUM COMMERCIAL

1017800



- 1" mip Plug
- 1" Diameter Rod
- 48" Length
- 4 Sections

1017810



- 1" x 3" Nipple
- 1" Diameter Rod
- 48" Length
- 4 Sections

1017820

- 36"



- 1 1/4" mip Plug
- 1 1/4" Diameter Rod
- 4 Sections

1017821

- 48"



## MAGNESIUM SOLID

1017320



- 3/4" mip Plug
- 3/4" Diameter Rod
- 40" Length

1017822



- 1 1/4" mip Plug
- 1 1/4" Diameter Rod
- 48" Length

# SPECIFICATION SHEET

## ALUMINUM/ZINC

Aluminum/Zinc on a steel rod. Sectional connections made with stainless steel couplers and 301 stainless steel braided wire.

- For Smelly Water
- For Systems With Water Softeners
- Stainless Steel Couplers
- Stainless Steel Braided Wire

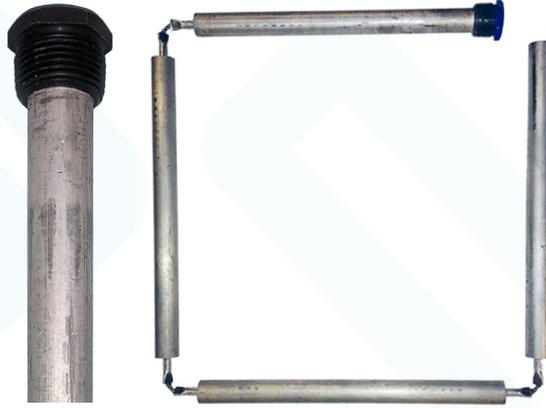
## CHEMICAL COMPOSITION

Aluminum	Balance
Zinc	5.0%
Iron	0.1-0.25% Max
Silicon	0.1-0.25% Max
Tin	0.25%
Cadmium	0.005% Max

# ALUMINUM/ZINC FLEXIBLE

1027400

- 3/4" mip Plug
- 3/4" Diameter Rod
- 42" Length
- 4 Sections



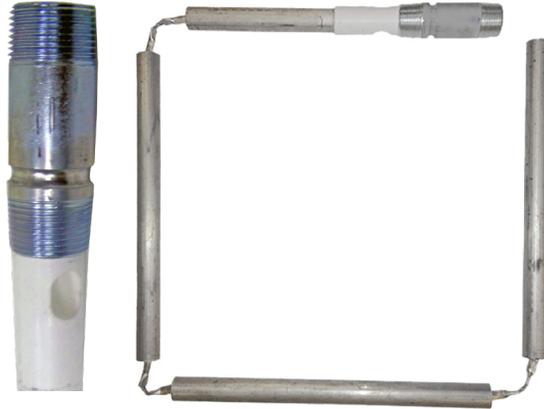
1027420  
(Kit)\*

**\*ADD TO MAKE KIT**



1027410

- 3/4" x 3" Nipple
- 3/4" Diameter Rod
- 42" Length
- 4 Sections



1027430  
(Kit)\*

**\*ADD TO MAKE KIT**



1027440

- 3/4" x 6" Nipple
- 3/4" Diameter Rod
- 47" Length
- 4 Sections



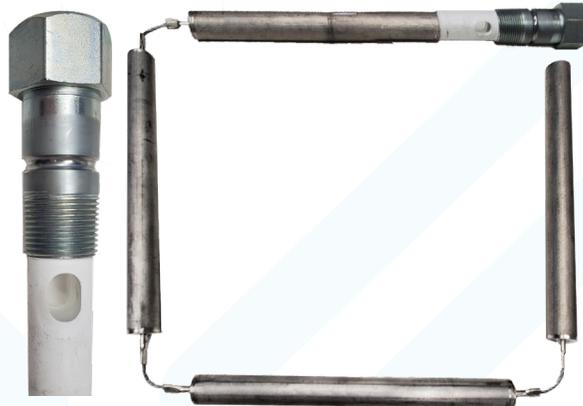
1027441  
(Kit)\*

**\*ADD TO MAKE KIT**



1027450

- 3/4" mip x 3/4" fip Nipple
- 3/4" Diameter Rod
- 42" Length
- 4 Sections



1027451  
(Kit)\*

**\*ADD TO MAKE KIT**



# ALUMINUM/ZINC RETAIL PACKAGING

1027500



- 3/4" mip Plug
- 3/4" Diameter Rod
- 42" Length
- 4 Sections

Contains:

- 1 per Clam Shell
- 3 per Box

1027510



- 3/4" x 3" Nipple
- 3/4" Diameter Rod
- 42" Length
- 4 Sections

Contains:

- 1 per Clam Shell
- 3 per Box

# WATER HEATER MANUFACTURERS RECOMENDATIONS

## AMERICAN

The anode rod should be removed from the water heater tank every 3 years for inspection. If the rod is more than 50% depleted, the anode rod should be replaced.

## RELIANCE

The anode rod should be removed from the water heater tank every 3 years for inspection. The following are typical (but not all) signs of a depleted anode Rod:

- The majority of the rods diameter is less than 3/8"
- Significant sections of the support wire (approximately 1/3 or more of the anode rod's length) are visible.

If the anode rod shows signs of either or both it should be replaced. NOTE: Whether re-installing or replacing the anode rod, check for any leaks and immediately correct if found.

## STATE

### Anode Rod Inspection

The anode rod is used to protect the tank from corrosion. Most hot water tanks are equipped with an anode rod. The submerged rod sacrifices itself to protect the tank. Instead of corroding the tank, water ions attack and eat away the anode rod. This does not affect the water's taste or color. The rod must be maintained to keep the tank in operating condition. NOTE: Artificially softened water is exceedingly corrosive because the process substitutes sodium ions for magnesium and calcium ions. The use of a water softener may decrease the life of the water heater tank.

Anode deterioration depends on water conductivity, not necessarily water condition. A corroded or pitted anode rod indicates high water conductivity and should be checked and/or replaced more often than an anode rod that appears to be intact. Replacement of a depleted anode rod can extend the life of your water heater. Inspection should be conducted by a qualified technician, and at a minimum should be checked annually after the warranty period.

## RHEEM

The Anode Rod should be removed from the water-heater's tank annually for inspection and replaced when more than 3' of core wire is exposed at either end of the rod.

## BRADFORD WHITE

6. A combination sacrificial anode rod/hot water outlet nipple has been installed to extend tank life. The anode rod should be inspected periodically (every 2 years) and replaced when necessary to prolong tank life. Water conditions in your area will influence the time interval for inspection and replacement of the anode rod. Contact the plumbing professional who installed the water heater or the manufacturer listed on the rating plate for anode replacement information. The use of a water softener may increase the speed of anode consumption. More frequent inspection of the anode is needed when using softened (or phosphate treated) water.

## A.O. SMITH

### Anode Rod Inspection

The anode rod is used to protect the tank from corrosion. Most hot water tanks are equipped with an anode rod. The submerged rod sacrifices itself to protect the tank. Instead of corroding the tank, water ions attack and eat away the anode rod. This does not affect the water's taste or color. The rod must be maintained to keep the tank in operating condition. NOTE: Artificially softened water is exceedingly corrosive because the process substitutes sodium ions for magnesium and calcium ions. The use of a water softener may decrease the life of the water heater tank. Anode deterioration depends on water conductivity, not necessarily water condition. A corroded or pitted anode rod indicates high water conductivity and should be checked and/or replaced more often than an anode rod that appears to be intact. Replacement of a depleted anode rod can extend the life of your water heater. Inspection should be conducted by a qualified technician, and at a minimum should be checked every three years. Typical (but not all) signs of a depleted anode rod are as follows:

- The majority of the rods diameter is less than 3/8"
- Significant sections of the support wire (approximately 1/3 or more of the anode rod's length) are visible.

If the anode rod shows signs of either or both it should be replaced.

NOTE: Whether re-installing or replacing the anode rod, check for any leaks and immediately correct if found.



# BALL VALVES



# CUSTOM BALL VALVES

## CUSTOM SLEEVE COLORS



## CUSTOM PRINT COLORS



- *Pick Your Sleeve Color*
- *Pick Your Print Color*
- *Send Us Your Logo*



### Heavy Duty Series

Lead Free, Full Port Brass Ball Valves, Female NPT x Female NPT

#### Feature:

- ✓ Dezincification Resistant (DZR) Lead Free Brass
- ✓ Thread conform to ANSI B1.20.1
- ✓ Forged Brass body
- ✓ Blow out proof stem design
- ✓ Packing nut, Oring & packing on the stem seal
- ✓ Stainless Steel Ball
- ✓ Handle with vinyl grip
- ✓ Compatible with Water, Oil, Gas, Steam and Air applications

#### Pressure Rating:

- 600 psi (WOG/CWP) 150 psi (WSP)
- Temperature range: 20°F to 300°F



#### Approvals:

ANSI Z21.15/ CSA 9.1 (1/4" 4")

#### CSA

ASME B16.44/ CR91 001 (1/4" 4")

ASME B16.33/ CGA3.16 (1/2" 2")

ASME B16.38/ CGA3.16 (2 1/2" 4")

#### UL

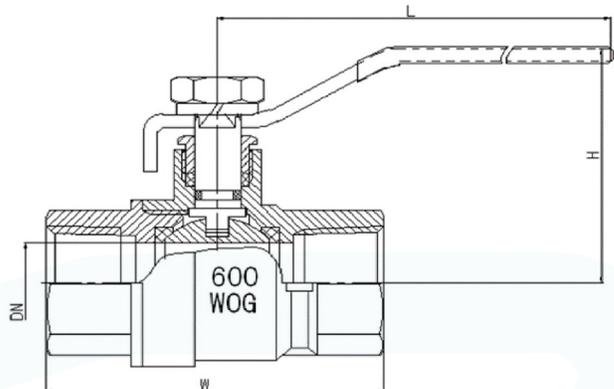
UL 842/ UL 125 (1/4" 2")

#### IAPMO

NSF/ANSI 61

NSFANSI 372

IGC 157



### ISO9001:2015

Part Name	Material
Body	Lead Free Brass
Seat	PTFE
Ball	Stainless Steel
Stem Oring	NBR
Packing Nut	Brass
Stem	Brass
Lock Nut	Ferromagnetic Zinc plated
Lock Washer	Ferromagnetic Zinc plated
Packing	PTFE
Handle	Ferromagnetic Chrome plated
Cap	Lead Free Brass

Part #	Size	DN	L	H	W
1011000	1/4"	0.394	3.46	1.68	1.73
1011001	3/8"	0.394	3.46	1.68	1.73
1011002	1/2"	0.591	3.46	1.81	2.24
1011003	3/4"	0.748	4.29	2.09	2.52
1011004	1"	0.984	4.29	2.25	2.97
1011005	1 1/4"	1.259	5.63	2.52	3.44
1011006	1 1/2"	1.574	5.63	2.74	3.88
1011007	2"	1.949	5.63	3.03	4.29

\*Units in Inches

### Heavy Duty Series

Lead Free, Full Port Brass Ball Valves, Female NPT x Female NPT

#### Feature:

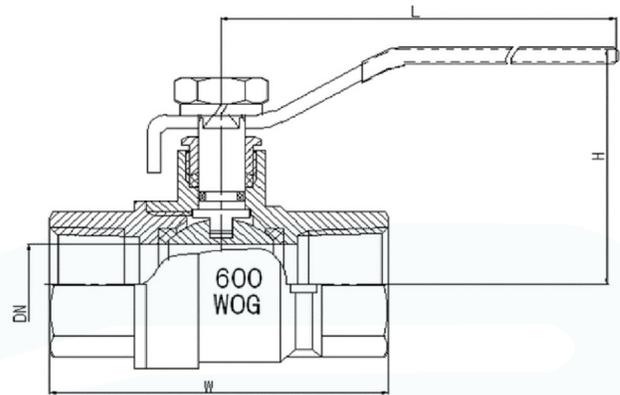
- ✓ Dezincification Resistant (DZR) Lead Free Brass
- ✓ Thread conform to ANSI B1.20.1
- ✓ Forged Brass body
- ✓ Blow out proof stem design
- ✓ Packing nut, Oring & packing on the stem seal
- ✓ Stainless Steel Ball
- ✓ Handle with vinyl grip

#### Pressure Rating:

- 600 psi (WOG/CWP) 150 psi (WSP)
- Temperature range: 20°F to 300°F



Part Name	Material
Body	Lead Free Brass
Seat	PTFE
Ball	Stainless Steel
Stem Oring	NBR
Packing Nut	Brass
Stem	Brass
Lock Nut	Ferromagnetic Zinc plated
Lock Washer	Ferromagnetic Zinc plated
Packing	PTFE
Handle	Ferromagnetic Chrome plated
Cap	Lead Free Brass



Part #	Size	DN	L	H	W
1011014	1/2"	0.591	3.46	1.81	2.24
1011015	3/4"	0.748	4.29	2.09	2.52
1011016	1"	0.984	4.29	2.25	2.97

\*Units in Inches

### Heavy Duty Series

Full Port Brass Ball Valve with Cap, Male Hose Thread x Female NPT

#### Feature:

- ✓ Thread conform to ANSI B1.20.1
- ✓ Forged Full Port C46500 Brass body
- ✓ Blow out proof stem design
- ✓ Packing nut, Oring & packing on the stem seal
- ✓ Stainless Steel Ball
- ✓ Handle with vinyl grip
- ✓ Compatible with Water, Oil, Steam applications
- ✓ Chained hex head brass cap included

#### Pressure Rating:

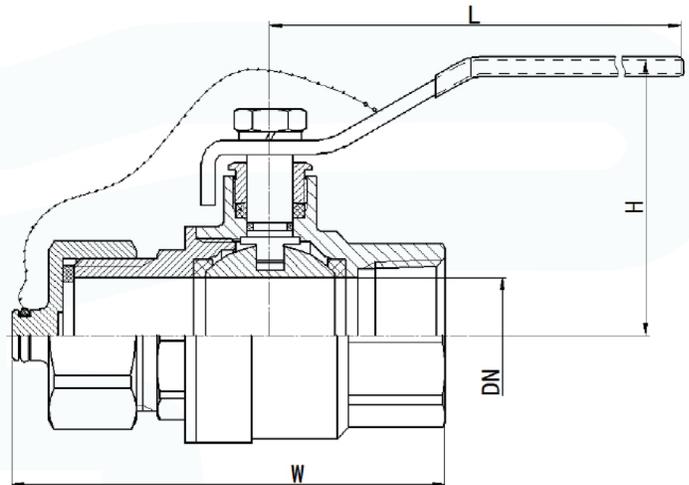
- 600 psi (CWP) 150 psi (WSP)
- Temperature range: 20°F to 300°F

#### Approvals:

IAPMO  
NSF/ANSI61

#### Materials List:

Part Name	Material
Body	Lead Free Brass
Seat	PTFE
Ball	Brass Chrome plated
Stem Oring	NBR
Packing Nut	Brass
Stem	Brass
Lock Nut	Ferromagnetic Zinc plated
Lock Washer	Ferromagnetic Zinc plated
Packing	PTFE
Handle	Ferromagnetic Chrome plated
Gasket	EPDM
Cap	Lead Free Brass
Chain	Plated Steel



Part #	Size	DN	L	H	W
1017700	3/4"	0.748	4.29	2.09	3.43

\*Units in Inches

**⚠ WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### Heavy Duty Series

Lead Free, Full Port Brass Ball Valves, Solder x Solder

#### Feature:

- ✓ Dezincification Resistant (DZR) Lead Free Brass
- ✓ Solder Joint conform to ANSI B16.22
- ✓ Forged Brass body
- ✓ Blow out proof stem design
- ✓ Packing nut, O ring & packing on the stem seal
- ✓ Stainless Steel Ball
- ✓ Handle with vinyl grip
- ✓ Compatible with Water, Oil, Gas, Steam and Air applications



#### Pressure Rating:

- 600 psi (WOG/CWP) 150 psi (WSP)
- Temperature range: 20°F to 300°F

#### Approvals:

##### CSA

- ANSI Z21.15/ CSA 9.1 (1/4" 4")
- ASME B16.44/ CR91 001 (1/4" 4")
- ASME B16.33/ CGA3.16 (1/2" 2")
- ASME B16.38/ CGA3.16 (2 1/2" 4")

##### IAPMO

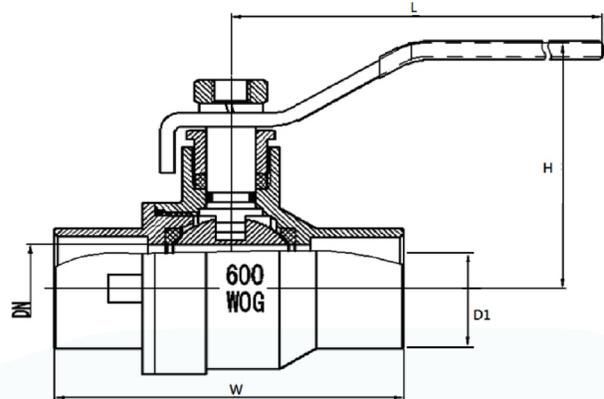
- NSF/ANSI 61
- NSFANSI 372
- IGC 157

##### UL

- UL 842/ UL 125 (1/4" 2")



ISO9001:2015



Part Name	Material
Body	Lead Free Brass
Seat	PTFE
Ball	Stainless Steel
Stem Oring	NBR
Packing Nut	Brass
Stem	Brass
Lock Nut	Ferromagnetic Zinc plated
Lock Washer	Ferromagnetic Zinc plated
Packing	PTFE
Handle	Ferromagnetic Chrome plated
Cap	Lead Free Brass

Part #	Size	D	L	H	D1	W
1011022	1/2"	0.591	3.46	1.81	0.63	2.17
1011023	3/4"	0.748	4.29	2.09	0.88	2.81
1011024	1"	0.984	4.29	2.25	1.13	3.34
1011025	1 1/4"	1.259	5.63	2.52	1.38	3.91
1011026	1 1/2"	1.574	5.63	2.74	1.63	4.46
1011027	2"	1.949	5.63	3.03	2.13	5.45

\*Units in Inches

### Heavy Duty Series

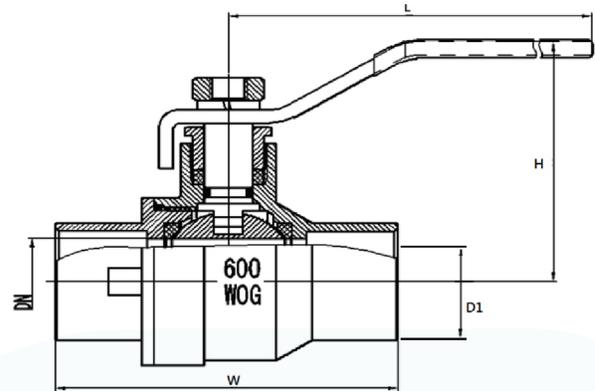
Lead Free, Full Port Brass Ball Valves, Solder x Solder

#### Feature:

- ✓ Dezincification Resistant (DZR) Lead Free Brass
- ✓ Solder Joint conform to ANSI B16.22
- ✓ Forged Brass body
- ✓ Blow out proof stem design
- ✓ Packing nut, Oring & packing on the stem seal
- ✓ Stainless Steel Ball
- ✓ Handle with vinyl grip
- ✓ Compatible with Water, Oil, Gas, Steam and Air applications

#### Pressure Rating:

- 600 psi (WOG/CWP) 150 psi (WSP)
- Temperature range: 20°F to 300°F



Part Name	Material
Body	Lead Free Brass
Seat	PTFE
Ball	Stainless Steel
Stem Oring	NBR
Packing Nut	Brass
Stem	Brass
Lock Nut	Ferromagnetic Zinc plated
Lock Washer	Ferromagnetic Zinc plated
Packing	PTFE
Handle	Ferromagnetic Chrome plated
Cap	Lead Free Brass

Part #	Size	D	L	H	D1	W
1011034	1/2"	0.591	3.46	1.81	0.63	2.17
1011035	3/4"	0.748	4.29	2.09	0.88	2.81
1011036	1"	0.984	4.29	2.25	1.13	3.34

\*Units in Inches

### Press Connection

Lead Free, Full Port Brass Ball Valves Press x Press

#### Feature:

- ✓ Dezincification Resistant (DZR) Lead Free Brass
- ✓ Conform to IAPMO PS 117
- ✓ Forged Full Port Brass body
- ✓ Blow out proof stem design
- ✓ Packing nut, Oring & packing on the stem seal
- ✓ Handle with vinyl grip
- ✓ Compatible with Water, Oil, Gas, Steam and Air applications



#### Pressure Rating:

- 250 psi (WOG/CWP) / 150 psi (WSP)
- Temperature range: 20°F to 300°F

#### Approvals:

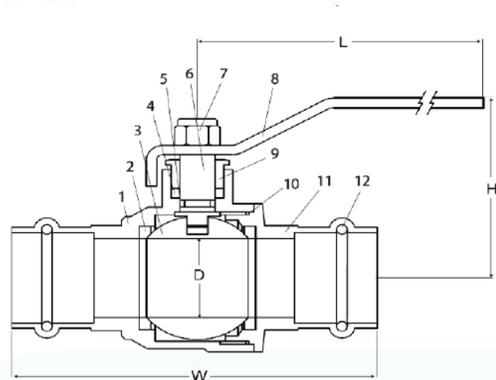
IAPMO

NSF/ANSI-61  
NSFANSI-372

NSFANSI14



ISO9001:2015



Part Name	Material
1. Body	Lead Free Brass
2. Seat	PTFE
3. Ball	Lead Free Brass
4. Packing	PTFE
5. Oring	NBR
6. Stem	Lead Free Brass
7. Handle nut	Ferromagnetic Chrome plated
8. Handle	Ferromagnetic Chrome plated
9. Packing Nut	Brass
10. Oring	NBR
11. Cap	Lead Free Brass
12. Oring	EPDM

Part #	Size	D	W	H	L
1010140	1/2"	0.59	3.19	1.81	3.46
1010141	3/4"	0.75	3.6	2.09	4.29
1010142	1"	0.98	3.92	2.25	4.29
1010143	1 1/4"	1.26	4.41	2.52	5.63
1010144	1 1/2"	1.57	5.35	2.74	5.63
1010145	2"	1.94	6.49	3.03	5.63

\*Units in inches

### Press Connection

Lead Free, Full Port Brass Ball Valves Press x Press

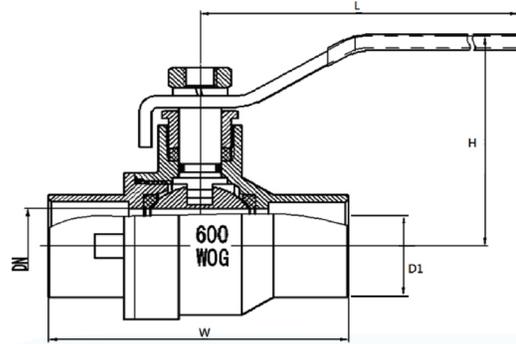
#### Feature:

- ✓ Dezincification Resistant (DZR) Lead Free Brass
- ✓ Conform to IAPMO PS 117
- ✓ Forged Full Port Brass body
- ✓ Blow out proof stem design
- ✓ Packing nut, Oring & packing on the stem seal
- ✓ Handle with vinyl grip



#### Pressure Rating:

- 250 psi (WOG/CWP) / 150 psi (WSP)
- Temperature range: 20°F to 300°F



Part Name	Material
1. Body	Lead Free Brass
2. Seat	PTFE
3. Ball	Lead Free Brass
4. Packing	PTFE
5. Oring	NBR
6. Stem	Lead Free Brass
7. Handle nut	Ferromagnetic Chrome plated
8. Handle	Ferromagnetic Chrome plated
9. Packing Nut	Brass
10. Oring	NBR
11. Cap	Lead Free Brass
12. Oring	EPDM

Part #	Size	D	W	H	L
1010160	1/2"	0.59	3.19	1.81	3.46
1010161	3/4"	0.75	3.6	2.09	4.29
1010162	1"	0.98	3.92	2.25	4.29

\*Units in inches

### Lead Free, Brass Ball Valves, PEX A x PEX A

#### Feature:

- ✓ Dezincification Resistant (DZR) Lead Free Brass
- ✓ ProPex end conform to ASTM F1960
- ✓ Forged Full Port Brass body
- ✓ Blow out proof stem design
- ✓ Packing nut, Oring & packing on the stem seal
- ✓ Stainless Steel Ball
- ✓ Handle with vinyl grip
- ✓ Compatible with Water, Oil, Gas, Steam and Air applications



#### Pressure Rating:

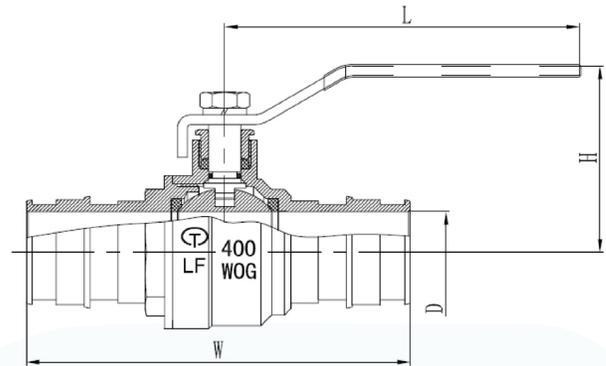
- 400 psi (WOG/CWP) / 150 psi (WSP)
- Temperature range: 20°F to 300°F

#### Approvals:

IAPMO  
NSF/ANSI 61, 372, 14



**ISO9001:2015**



Part Name	Material
<b>Body</b>	Lead Free Brass
<b>Seat</b>	PTFE
<b>Ball</b>	Stainless Steel
<b>Stem Oring</b>	NBR
<b>Packing Nut</b>	Brass
<b>Stem</b>	Brass
<b>Lock Nut</b>	Ferromagnetic Zinc plated
<b>Lock Washer</b>	Ferromagnetic Zinc plated
<b>Packing</b>	PTFE
<b>Handle</b>	Ferromagnetic Chrome plated
<b>Cap</b>	Lead Free Brass

Part #	Size	D	L	H	W
<b>1012202</b>	1/2"	0.394	3.46	1.69	2.58
<b>1012203</b>	3/4"	0.611	3.46	1.81	3.31
<b>1012204</b>	1"	0.812	4.29	2.09	3.98
<b>1012205</b>	1 1/4"	0.984	4.29	2.25	4.65
<b>1012206</b>	1 1/2"	1.103	5.63	2.45	5.52
<b>1012207</b>	2"	1.575	5.63	2.74	6.91

\*Units in Inches

### Lead Free, Brass Ball Valves, PEX A x PEX A

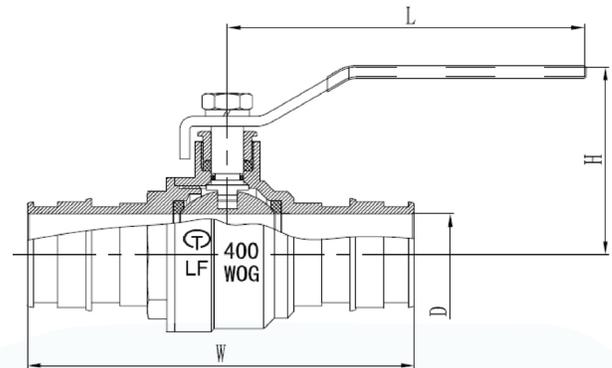
#### Feature:

- ✓ Dezincification Resistant (DZR) Lead Free Brass
- ✓ ProPex end conform to ASTM F1960
- ✓ Forged Full Port Brass body
- ✓ Blow out proof stem design
- ✓ Packing nut, Oring & packing on the stem seal
- ✓ Stainless Steel Ball
- ✓ Handle with vinyl grip



#### Pressure Rating:

- 400 psi (WOG/CWP) / 150 psi (WSP)
- Temperature range: 20°F to 300°F



Part Name	Material
Body	Lead Free Brass
Seat	PTFE
Ball	Stainless Steel
Stem Oring	NBR
Packing Nut	Brass
Stem	Brass
Lock Nut	Ferromagnetic Zinc plated
Lock Washer	Ferromagnetic Zinc plated
Packing	PTFE
Handle	Ferromagnetic Chrome plated
Cap	Lead Free Brass

Part #	Size	D	L	H	W
1012222	1/2"	0.394	3.46	1.69	2.58
1012223	3/4"	0.611	3.46	1.81	3.31
1012224	1"	0.812	4.29	2.09	3.98

\*Units in Inches

## Lead Free, Brass Ball Valves, Pex B x Pex B

### Feature:

- ✓ Dezincification Resistant (DZR) Lead Free Brass
- ✓ Pex end conform to ASTM F1807
- ✓ Forged Full Port Brass body
- ✓ Blow out proof stem design
- ✓ Packing nut, Oring & packing on the stem seal
- ✓ Stainless Steel Ball
- ✓ Handle with vinyl grip
- ✓ Compatible with Water, Oil, Gas, Steam and Air applications

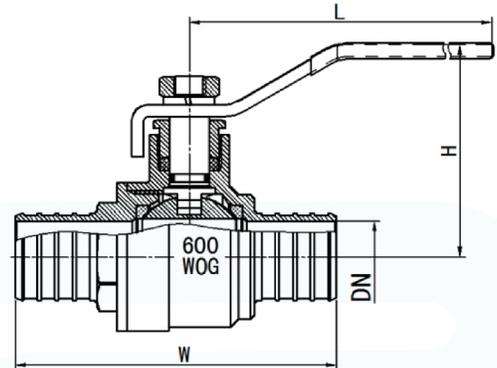
### Pressure Rating:

- 600 psi (WOG/CWP) 150 psi (WSP)
- Temperature range: 20°F to 300°F

### Approvals:

IAPMO CAS

NSF/ANSI 61, 372, 14 NSF/ANSI 61, 372, IGC 157



## ISO9001:2015

Part Name	Material
Body	Lead Free Brass
Seat	PTFE
Ball	Stainless Steel
Stem Oring	NBR
Packing Nut	Brass
Stem	Brass
Lock Nut	Ferromagnetic Zinc plated
Lock Washer	Ferromagnetic Zinc plated
Packing	PTFE
Handle	Ferromagnetic Chrome plated
Cap	Lead Free Brass

Part #	Size	DN	L	H	W
1011097	1/2"	0.354	3.46	1.64	2.44
1011098	3/4"	0.531	3.46	1.81	2.58
1011099	1"	0.713	4.29	2.09	3.17

\*Units in Inches

### Lead Free, Brass Ball Valves, Pex B x Pex B

#### Feature:

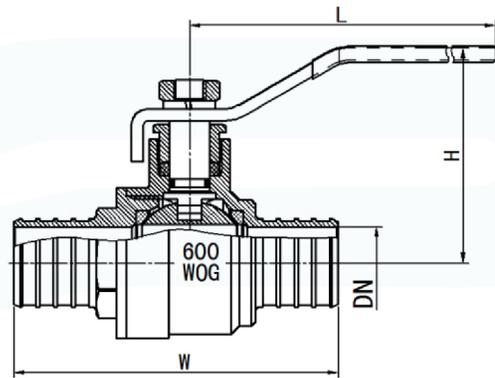
- ✓ Dezincification Resistant (DZR) Lead Free Brass
- ✓ Pex end conform to ASTM F1807
- ✓ Forged Full Port Brass body
- ✓ Blow out proof stem design
- ✓ Packing nut, Oring & packing on the stem seal
- ✓ Stainless Steel Ball
- ✓ Handle with vinyl grip

#### Pressure Rating:

- 600 psi (WOG/CWP) 150 psi (WSP)
- Temperature range: 20°F to 300°F



Part Name	Material
Body	Lead Free Brass
Seat	PTFE
Ball	Stainless Steel
Stem Oring	NBR
Packing Nut	Brass
Stem	Brass
Lock Nut	Ferromagnetic Zinc plated
Lock Washer	Ferromagnetic Zinc plated
Packing	PTFE
Handle	Ferromagnetic Chrome plated
Cap	Lead Free Brass



Part #	Size	DN	L	H	W
1011090	1/2"	0.354	3.46	1.64	2.44
1011091	3/4"	0.531	3.46	1.81	2.58
1011092	1"	0.713	4.29	2.09	3.17

\*Units in Inches

### TANKLESS WATER HEATER VALVES (Sweat/IPS)

#### Feature:

- ✓ Dezincification Resistant (DZR) Lead Free Brass
- ✓ Press Conform ANSI Z1157
- ✓ Thread Conform ANSI B1.20.1
- ✓ Set of 2 Heavy Duty Forged Brass Body
- ✓ Double "O"ring Stem Seal
- ✓ Stainless Steel Ball
- ✓ Large Drain Port Outlets(Full Port)
- ✓ Pressure Rating: 125 PSI Maximum
- ✓ Temperature Range : 40° F to 180° F

#### Advantage:

- Compact Size
- Easy System Cleaning & Flushing
- Individually Controlled Drain Outlets
- Fewer Leak Paths

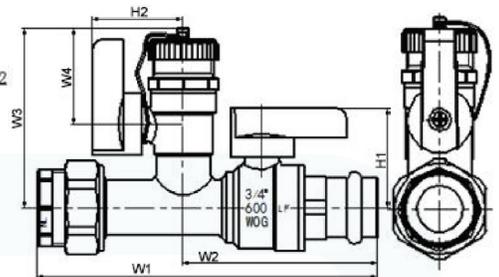
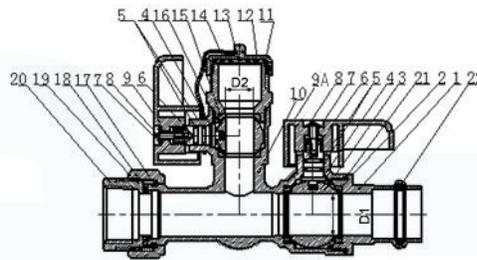
#### Approvals:

NSF/ANSI61 NSF/ANSI372

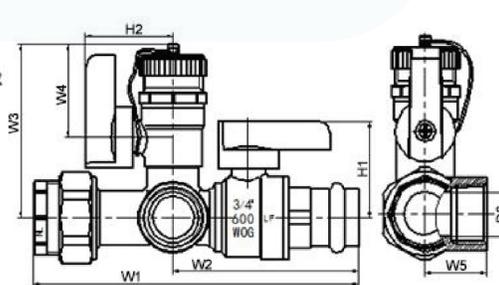
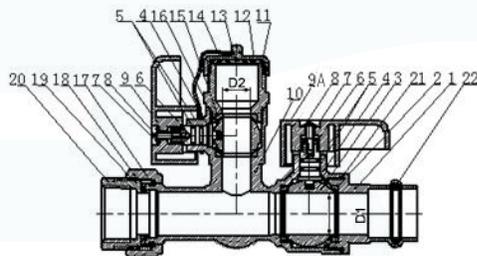
ISO9001:2015



Part Name	Material
1 Cap	Lead Free Brass
2 Seat	PTFE
3 Ball	SS304
4 Gasket	PTFE
5 Oring	EPDM
6 Stem	Brass
7 Spring Washer	Plated
8 Screw	Plated
9 Handle	Alalloy
9a Handle	Ferromagnetic Chrome Plated
10 Body	Lead Free Brass
11 Cap	Lead Free Brass
12 Rubber Washer	EPDM
13 Cap Nut	Brass
14 Chain	PVC
15 Seat	PTFE
16 Ball	SS304
17 Snap Spring	SS304
18 Cap Nut	Brass
19 Rubber Washer	EPDM
20 Cap	Lead Free Brass
21 O-Ring	VITON



Cold Water Valve



Hot Water Valve

Part #	Size	D1	D2	D3	H1	H2	W1	W2	W3	W4	W5
1079115	3/4" SWT	0.75	0.52	0.75	1.69	1.54	5.19	2.75	3.03	1.61	1.06
1079100	3/4" IPS	0.75	0.52	0.75	1.69	1.54	5.02	2.75	3.03	1.61	1.06

\*Units in Inches

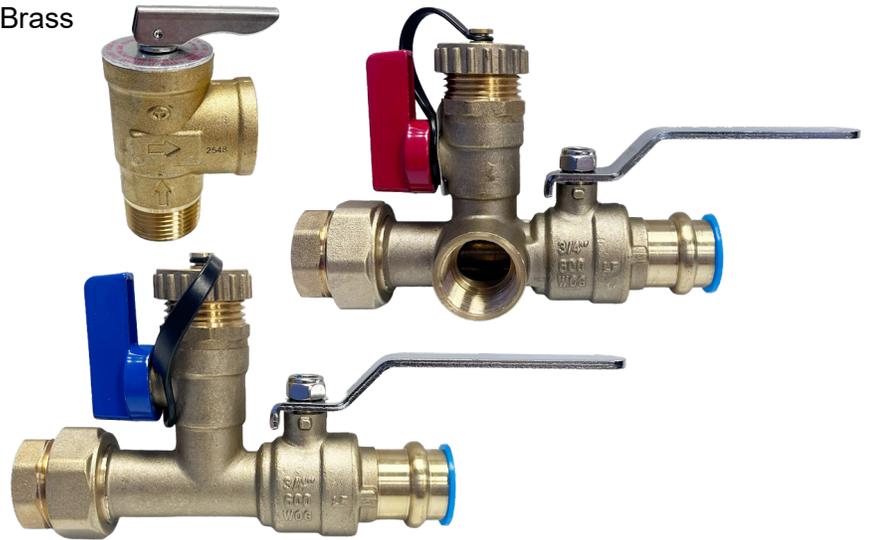
### TANKLESS WATER HEATER VALVES(Press)

#### Feature:

- ✓ Dezincification Resistant (DZR) Lead Free Brass
- ✓ Press Conform ANSI Z1157
- ✓ Thread Conform ANSI B1.20.1
- ✓ Set of 2 Heavy Duty Forged Brass Body
- ✓ Double "O"ring Stem Seal
- ✓ Stainless Steel Ball
- ✓ Large Drain Port Outlets(Full Port)
- ✓ Pressure Rating: 125 PSI Maximum
- ✓ Temperature Range : 40° F to 180° F

#### Advantage:

- Compact Size
- Easy System Cleaning & Flushing
- Individually Controlled Drain Outlets
- Fewer Leak Paths



#### Approvals:

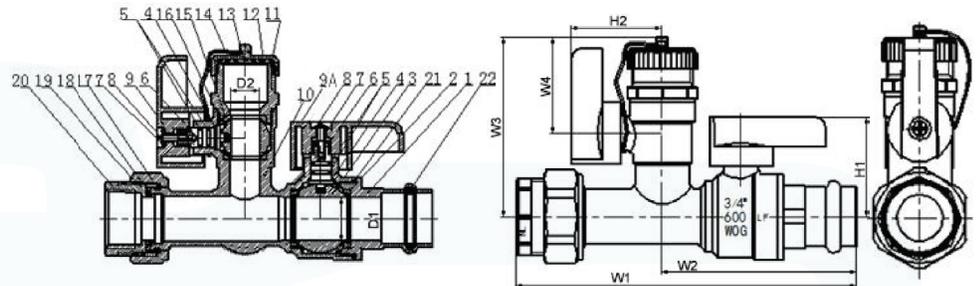
NSF/ANSI61

NSF/ANSI372

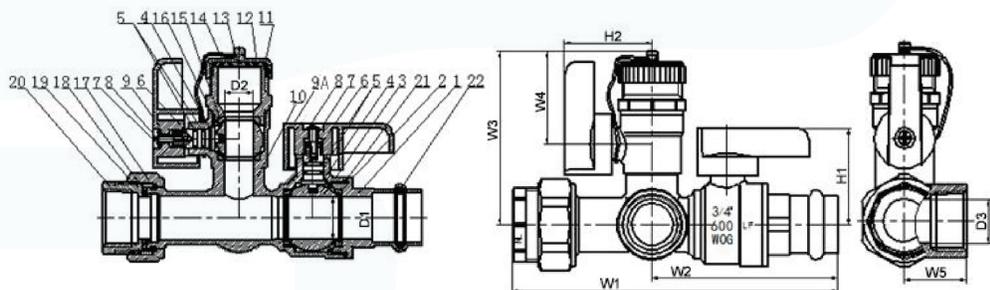
ISO9001:2015



Part Name	Material
1 Cap	Lead Free Brass
2 Seat	PTFE
3 Ball	SS304
4 Gasket	PTFE
5 Oring	EPDM
6 Stem	Brass
7 Spring Washer	Plated
8 Screw	Plated
9 Handle	Alalloy
9a Handle	Ferromagnetic Chrome Plated
10 Body	Lead Free Brass
11 Cap	Lead Free Brass
12 Rubber Washer	EPDM
13 Cap Nut	Brass
14 Chain	PVC
15 Seat	PTFE
16 Ball	SS304
17 Snap Spring	SS304
18 Cap Nut	Brass
19 Rubber Washer	EPDM
20 Cap	Lead Free Brass
21 O-Ring	VITON



Cold Water Valve



Hot Water Valve

Part #	Size	D1	D2	D3	H1	H2	W1	W2	W3	W4	W5
1079125	3/4"	0.75	0.52	0.75	1.69	1.54	5.73	3.28	3.03	1.61	1.06

\*Units in Inches

# TERMS OF SALE

## ORDERS

**Phone** - Call us toll free at our store at (855) 437-1145. To ensure order accuracy our Catalog lists each of our products with item specific pictures, descriptions, and product numbers.

**E-mail** - Send us your order via e-mail to [sales@waterheatersmart.com](mailto:sales@waterheatersmart.com). We will place your order and send you a confirmation of your order via e-mail.

## PAYMENT AND SHIPPING

All payments need to be made by the end of the month with a 2% discount on payments made before the 10th. Receive PrePaid freight on all orders of **\$2,000 or more**. The minimum order is \$100. Returns and credit are not accepted without written approval from Water Heater Smart.

## RETURNS

Returns are allowed only once a Return Material Authorization (RMA) has been issued by Water Heater Smart. Call toll free **(855) 437-1145** or email [sales@waterheatersmart.com](mailto:sales@waterheatersmart.com) to obtain an RMA. To obtain an RMA all returned goods must be in new or resellable condition as well as have been purchased within three months prior the RMA request date. Freight must be prepaid back to Water Heater Smart. A 25% restocking charge may be applied. Water Heater Smart retains the right to deny any portion of the value of the return material depending on the condition of the product as it is received. Unauthorized returns will be held for 30 days and then discarded. Special order material sales are final, and are not subject to be returned.

## WARRANTY- ANODE RODS

Anode Rods from Water Heater Smart are warrantied for one year from date of purchase against manufacturer's defects. These product are designed to be sacrificial parts that protect the water heater tank, thus the warranty is limited to manufacturer's defect.

## WARRANTY- BALL VALVES

Valves are warrantied to be free from defects in workmanship or material for one year from date of sale. Should a failure occur Water Heater Smart will need to verify that storage, installation and maintance were in accordance with standard industry practices. This warranty covers replacing the defective product. It does not cover damage or loss due to the use of the product or labor associated with its replacement.





**Spring 2026**

**WATER HEATER SMART**

THE SMART CHOICE

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