

Spacemaker® by Watts Outside Water Heater Enclosures

- Allows water heater to be installed outdoors
- Galvanized steel enclosures

Specifications/Models

- Enclosures available for water heaters 20 to 100 gallons in size
- Three sided, back sections are also available
- No screws, nuts or bolts required

R-24 BL – for 20 – 50 gallon tank size, 24" Square x 72½" Tall

WPE-24 (1) – for 20 – 50 gallon tank size, 24" Cabinet w/o Venting or Louvers

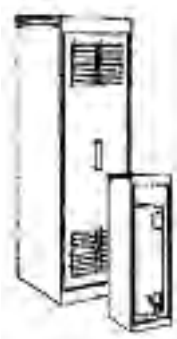
R-26 – for 20 – 65 gallon tank size, 26" Wide x 24" Deep x 72½" Tall

R-30 BL – for 50 – 80 gallon tank size, 30" Square x 72½" Tall

C-36 Com – for 80 – 100 gallon tank size, 36" Square x 82" Tall

B-24 – 24" Back Section for R-24BL Enclosures

B-24 WPE – Back Section for WPE-24



B-26 – 26" Back Section for R-26 Enclosures

B-30 – 30" Back Section for R-30BL Enclosures

B-36 – 36" Back Section for C-36 Enclosures

For additional information, request literature F-Spcmkr.

Spacemaker® by Watts Water Heater Stands Series AS – Preassembled

- Raises water heater flame element 18" above the floor per safety code requirements
- Reduces risk of fire, explosion, and property damage
- Galvanized steel construction

Specifications/Models

- Stands available for water heaters 40 to 100 gallons in size.

AS-20 – for up to 52 gallon tank, Size 20" x 20" x 16"

AS-22 – for up to 65 gallon tank, Size 22" x 22" x 16"

AS-26 – for up to 75 gallon tank, Size 26" x 26" x 16"

AS-30 – for up to 100 gallon tank, Size 30" x 30" x 16"

For additional information, request literature F-Spcmkr.



Model DPS Drip Pan Stand

- Round Stand includes built-in drip pan

Specifications/Models

- Holds up to 52 gallon water heater
- PVC drain connector
- All clip together design

DPS-20 – for up to 52 gallon tank, Size 22" x 16"

For additional information, request literature F-Spcmkr.



Model ENS Enclosed Stand

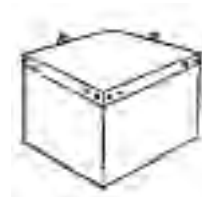
- For use in food processing areas
- Fully enclosed to prevent the base from being used as a storage area

Specifications/Models

- Floating seismic clips for easy bolting to the wall

ENS-20 – for up to 40 gallon tank, Size 20" x 20" x 16"

For additional information, request literature F-Spcmkr.



Spacemaker® by Watts Heavy-duty Water Heater Restraints Series E-50, E-100 – Double Straps for Tight Spacing

- Use for optimal security
- Specially designed for cabinets and space limited installations

Specifications/Models

- Accommodates up to 100 gallon water heater
- Double strapping system
- Cradles the tank with gussets for added security
- Fast convenient front tensioning of the restraint

E-50 – for up to 52 gallon tank. Double strapping system for tight spaces and/or cabinets where hardware needs to locate behind the water heater

E-100 – for up to 100 gallon tank. Double strapping system for tight spaces and/or cabinets where hardware needs to locate behind the water heater

For additional information, request literature F-Spcmkr.



Series FS – Free Standing

- Allows safe placement of the water heater anywhere on roof or floor
- Mounts to the roof or floor by bolting straight through or with the use of a floating clip

Specifications/Models

- Accommodates up to 100 gallon water heaters
- Heavy duty angle iron frame complete with a E-100 restraint

FS-26 – for up to 65 gallon tank; super heavy duty construction for installations where no wall is available for mounting, platform is 26" square

FS-36 – for up to 120 gallon tank; super heavy duty construction for installations where no wall is available for mounting, platform is 36" square



Series WM – Wall Mounted

- Allows safe placement of the water heater anywhere on the wall
- Perfect for industrial applications

Specifications/Models

- Accommodates up to 120 gallon water heaters
- Heavy duty wall mount system includes a E-100 restraint

WM-26 – for up to 65 gallon tank; super heavy duty construction for installations against the wall where the water heater needs to be elevated, platform is 26" square

WM-30 – for up to 120 gallon tank; super heavy duty construction for installations where the water heater needs to be elevated, platform is 30" square



Series TSE – Water Heater Straps for Zero Clearance

- For zero clearance water heaters
- Quick easy installation – Bolts directly into wall studs
- Adjusts easily to fit water heater

Specifications/Models

- Accommodates up to 75 gallon water heater
- Kit contains four straps for restraining top and bottom of water heater
- Lag bolts are pre-installed & held with paper keepers to prevent dropping behind the tank

TSE-75 – for up to 75 gallon tank; simple double straps for across-the-front installations

TSE-75P (Plastic wrap) – same as TSE-75 except straps are packed in heavy duty polyolefin plastic shrink wrap



Spacemaker® by Watts Water Heater Restraints Series E-75, E-120 – Easy Adjust Water Heater Straps



- Quick easy installation — Bolts directly into wall studs
- Adjusts easily to fit water heater

Specifications

- Accommodates up to 75 gallon water heater
- Kit contains four straps for restraining top and bottom of water heater
- Lag bolts are pre-installed & held with paper keepers to prevent dropping behind the tank

Models

E-75 – for up to 75 gallon tank. Provides great flexibility in strapping the water heater, either to wrap the water heater with a non-flammable back spacer or strap across-the-front like the TSE-75

E-120 – for up to 120 gallon tank, same as the E-75 except it comes with enough strap to encircle or go across the front of a 120 gal. water heater

For additional information, request literature F-Spcmkr.

Series WDS (3/4", 1")

FloodSafe® Water Detector Shutoff

- Series WDS Floodsafe® Water Detector Shutoff protects the home or business owner from catastrophic damage due to a water heater leak. The Series WDS detects the presence of water on the floor (or in a drain pan) beneath the water heater and automatically shuts off the water supply and power source to the water heater. Models available for gas, electric, and oil fired water heaters.

Specifications

- Testable and Resettable: The FloodSafe® Water Detector Shutoff can be easily reset by the contractor, home or business owner or plumbing inspector to assure proper operation.
- Easily installed on new or existing water heaters.
 - No special piping is required.
 - Supplied with a Water Dam for concrete, linoleum, tile or other hard surface flooring.
 - Sized for 3/4" or 1" (20 or 25mm) water supply lines.
 - Secure interlocking connector cables are unique to each connecting device.
 - Powered by a safe low-voltage power supply that plugs into a standard 120 VAC wall outlet and is wired using standard thermostat cable (supplied by installer).
- Employs state-of-the-art water detection technology (no terminals to corrode or to impair operation).
- Provides contacts for monitored alarm detection systems.

Mechanical

Maximum Pressure: 150psi (10.3 bar)

Maximum Temperature: 210°F (99°C)

Electrical

120 VAC, 70mA, 60Hz

Current draw: 50mA

Maximum Electric Water Heater current rating: 30A

Models

WDS-SP-L – Standing Pilot - left-hand thread

WDS-SP-R – Standing Pilot - right-hand thread

WDS-E220 – Electric - 220 VAC

WDS-SI – Spark Ignition/Oil Fired

WDS-BB – Battery backup

WDS-PV – Power vented

For additional information, request literature ES-WDS-BB Battery Backup or WDS-PV Power Pented.



WDS

Series TWH (3/4" and 1")

Tankless Water Heater Valves

Series TWH tankless water heater valves are designed to simplify the installation, maintenance and operation of tankless water heaters. For fast and trouble-free installation use a Series TWH to replace for unions, three tees, seven nipples, two ball valves two boiler drains, and two hose bib covers that are used in a typical tankless water heater installation.

Specifications

- FPT unions for connection to water heater (all models)
- FPT unions for connection to water lines (UT models)
- Quick-Connect end connections to water lines (QT models)
- FPT and sweat connections to water lines (UTS models)
- Full-port, quarter-turn ball valve with color-coded tee handle and union
- Quarter-turn purge and drain valve with hose connection and tethered brass cap
- Optional 3/4" pressure relief valve 150psi (10.3 bar)
- Optional integral spring check valve in cold water valves
- Hot and cold valves certified to NSF/ANSI 61
- Staggered connection points for ease of installation and access
- Valves are suitable for most tankless installations
- No additional adapters required
- 600 WOG rated

Models

Valve Sets

(One Hot Water and One Cold Water valve per set)

TWH-UT-HC – hot and cold water valve set, union connections

TWH-UT-HC-RV – hot and cold water valve set, union connections with relief valve

TWH-QC-HC – hot and cold water valve set, quick-connect x union end connections

TWH-QC-HC-RV – hot and cold water valve set, quick-connect x union end connections, with relief valve

TWH-UT-HCN – hot and cold water valve set, union connections, no check valve, no relief valve

TWH-UT-HCN-RV – hot and cold water valve set, union connections, no check valve, with relief valve

TWH-QC-HCN – hot and cold water valve set, quick-connect x union end connections, no check valve, no relief valve

TWH-QC-HCN-RV – hot and cold water valve set, quick-connect x union end connections, no check valve, with relief valve

TWH-UTS-HCN 1 Inch – hot and cold water valve set, union connections, no check valve

TWH-UTS-HCN-RV 1 Inch – hot and cold water valve set, union connections, no check valve, relief valve

TWH-FT-HCN – hot and cold water valve set, 3/4" FPT x union end connections, no check valve

TWH-FT-HCN-RV – hot and cold water valve set, 3/4" FPT x union end connections, no check valve, with relief valve

Single Valves

(Hot or Cold)

TWH-UT-H – hot water shutoff valve, dual union connections

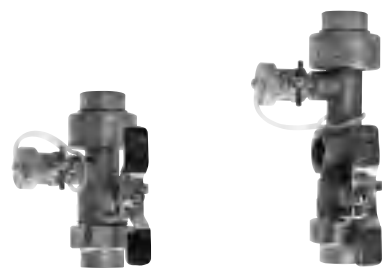
TWH-UT-C – cold water shutoff valve, integral check valve, dual union connections

TWH-UT-CN – cold water shutoff valve, dual union connections, no check valve

TWH-QC-H – hot water shutoff valve, union x quick-connect end connections

TWH-QC-C – cold water shutoff valve, integral check valve, quick-connect x union end connections

TWH-QC-CN – cold water shutoff valve, quick-connect x union end connections, no check valve



TWH-UT-C

TWH-UT-H



TWH-QC-C



TWH-QC-H



TWH-FT-H – hot water shutoff valve, 3/4" FPT x union end connections

TWH-FT-CN – cold water shutoff valve, 3/4" FPT x union end connections, no check valve

TWH-UT-H 1 Inch – hot water shutoff valve, dual union connections

TWH-UT-CN 1 Inch – hot water shutoff valve, dual unions, no check valve

For additional information, request literature ES-TWH.

For assistance, contact your local authorized Watts agent or visit our website at www.watts.com

Series N36 (1/2", 3/4")

Water Service Vacuum Relief Valves

- Automatically vents a closed system if vacuum occurs
- Allows air to enter the system
- Relieves vacuum conditions which could siphon the water from the system and burn out a water heater or collapse a tank

Specifications

- Maximum Working Pressure: 200psi (13.8 bar)
- Maximum Temperature: 250°F (121°C)
- Size: 1/2" or 3/4" (15 or 20mm), NPT male inlet connection. Venting capacity: 1/2" size (15mm) and 3/4" size (20mm) are 15 cfm (425 lpm)

Standards

- Design certified by CSA. Tested and rated under ANSI Z21.22 Relief Valves for Hot Water Supply Systems" CSA certified
- Also suitable for steam service, max. pressure 15psi (103.4 kPa)

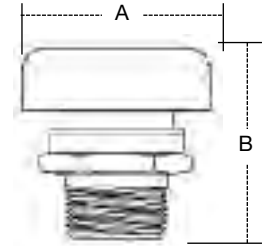


N36

Features

- Opens at less than 1/2" (15mm) vacuum

For additional information, request literature ES-N36.



MODEL	SIZE (DN)		DIMENSIONS				WEIGHT	
	in.	mm	A		B		oz.	gr.
N36 M1	1/2	15	2	50	2	50	4	113
N360 M1	3/4	20	2	50	2	50	4	113

Series N360, N360I (1/2", 3/4")

Water Service Vacuum Relief Valves

- Automatically vents a closed system if vacuum occurs
- Allows air to enter the system
- Relieves vacuum conditions which could siphon the water from the system and burn out a water heater or collapse a tank
- Can be mounted in a vertical or horizontal position

Specifications

- Maximum Working Pressure: 200psi (13.8 bar)
- Maximum Temperature: 250°F (121°C)

Standards

- Design certified by CSA. Tested and rated under ANSI Z21.22 "Relief Valves for Hot Water Supply Systems." CSA certified
- Also suitable for steam service, max. pressure 15psi (103.4 kPa)

Features

- Opens at less than 1/2" (15mm) vacuum

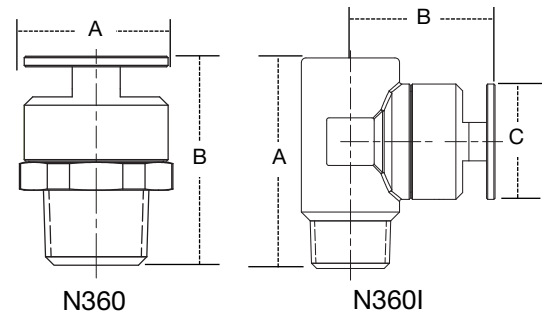
For additional information, request literature ES-N360/N360I.



N360

N360I

MODEL	SIZE (DN)		DIMENSIONS						WEIGHT	
	in.	mm	A		B		C		oz.	gm.
N360	1/2	15	1 1/2	38	2 5/16	58	-	-	9	255
N360	3/4	20	1 1/2	38	2 3/16	55	-	-	9	255
N360I	3/4 FNPT x 3/4 MNPT	20 x 20	2 3/4	70	1 7/8	48	1 1/2	38	13	369



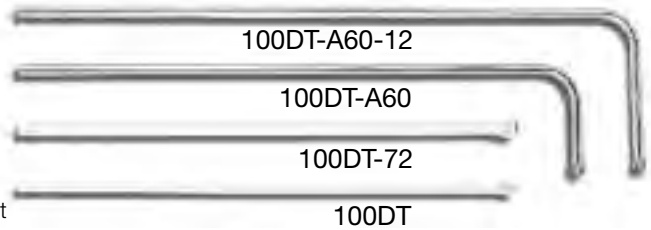
N360

N360I

Models 100DT, 100DT-A (3/4")

Drain Lines for T&P Relief Valves

- Connects to 3/4" (20mm) temperature and pressure relief valve drain connections
- For use on T&P relief valves with up to 105,000 BTU/hr. rating
- Requires no special tools or fittings; hand tightens to relief valve outlet



Models

- 100DT** – for use with side mounted relief valves. Drop length is 48" (1219mm)
- 100DT-72** – same as above except drop length is 72" (1829mm)
- 100DT-A60** – for use with top mounted relief valves. Drop length is 60" (1524mm)
- 100DT-A60-12** – for use with center top mounted relief valve. Drop length is 60" (1524mm)

Standards

Drain line: Fully approved ASME A112.4.1UPC, IAPMO
Meets Dept. of Housing and Urban Development requirements

For additional information, request literature ES-100DT.

Series BRV (3/4", 1")

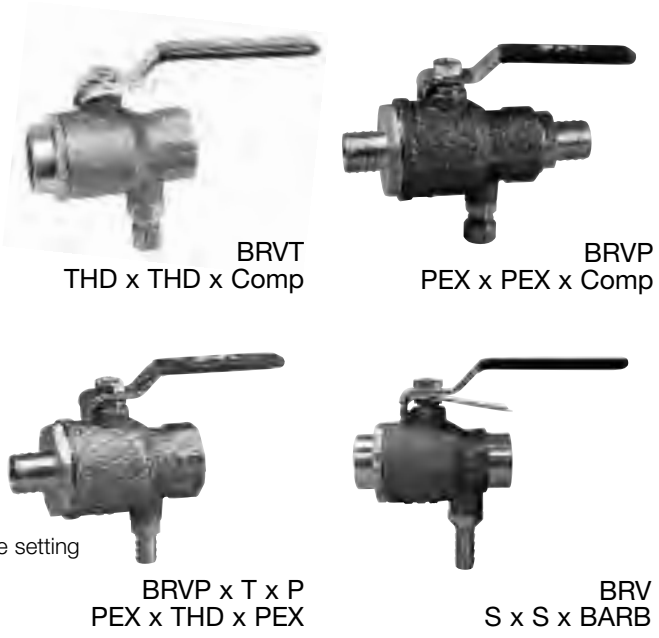
Combination Ball Valve and Relief Valve

Specifications

- Maximum Working Temperature: 210°F (99°C)
- Maximum Working Pressure: Valve body rated to 400psi (27.6 bar)

Features

- Easy Installation – Installs in any position
- Low profile design
- Full port ball valve with virgin PTFE seats
- Blowout proof stem
- Stainless steel spring/Viton® ball relief valve components
- Secure compression or PEX end fitting drain tube connection
- Full line of pex connections
- Available in a 75, 80, 100 or 125psi (5.2, 5.5, 6.9, or 8.6 bar) pressure setting
- Available with threaded, solder or PEX end connections



For additional information, request literature ES-BRV.

Available Models

INLET	OUTLET	RELIEF OUTLET
Sweat	Sweat	PEX
Sweat	Sweat	Compression
Thread	Thread	Compression
PEX	PEX	Compression
PEX	Thread	Compression
PEX	Thread	PEX
PEX	Sweat	Compression
PEX	Sweat	PEX
Thread	PEX	Compression

INLET	OUTLET	RELIEF OUTLET
Sweat	PEX	Compression
PEX	PEX	PEX
Sweat	Sweat	Barb
Thread	Thread	Barb
PEX	PEX	Barb
PEX	Sweat	Barb
PEX	Thread	Barb
Sweat	PEX	Barb
Thread	PEX	Barb

Series DET-M1

Potable Water Expansion Tanks for Domestic Hot Water Systems

- Controls thermal expansion of water in open domestic hot water supply systems
- Absorbs the increased volume of water generated by the hot water heating source keeping system pressure below the pressure relief setting of the T&P relief valve
- May be used with all types of direct-fired water heaters (gas, oil or electric) and all types of hot water storage tanks
- Its pre-pressurized steel tank uses an expansion membrane to prevent air/water contact for long system life

For additional information, request literature ES-DET-M1.

For information on ASME rated tanks, request literature ES-DETA.

MODEL	DET-5-M1	DET-12-M1	DET-20-M1	DET-35-M1
Max. Pressure – psi	150	150	150	150
Max. Temperature – °F	200	200	200	200
Tank Volume – Gal.	2.1	4.5	8.5	14.00
Tank Acceptance – Gal.	.85	1.8	3.2	5.6
Air Precharge – psi	20	20	20	20
Connection Size – inches†	¾ Male	¾ Male	¾ Male	1 Female
Diameter – inches	8.5	10.0	12.5	16.0
Length – inches	11.5	115.0	19.2	21.7
Weight – lbs.	7	10	15	32

† – Connection size: **(M)**=Male, **(F)**=Female.



DET-5-M1

Standards

Listed by IAPMO, Certified to ANSI/NSF61

Features

- Rugged butyl diaphragm
- In-line and free-standing models

Series DETA 5 – DETA 210

ASME Pressurized Expansion Tanks for Potable Hot Water

- Designed to accept the expanded volume of hot water keeping the system pressure below the relief valve setting
- For commercial and industrial potable hot water applications
- ASME fixed bladder type precharged expansion tank

Specifications

- Maximum Working Pressure: 150psi (10.3 bar) Precharged to 40psi (275 kPa)
- Maximum Temperature: 240°F (115°C)

For additional information, request literature ES-DETA.

Features

- ASME Section VIII Construction
- Fixed Butyl Bladder (FDA approved)
- Stainless Steel System Connection
- Precharged to 40psi (275 kPa) (Field Adjustable)

Construction

Shell: Carbon steel

System Connection: Stainless steel

Bladder: Butyl (FDA approved)

Exterior: Primer coated



DETA

Series PLT

Potable water expansion tanks

- Designed to take in water displaced by thermal expansion and to maintain balanced pressure throughout the potable water supply
- Expansion tanks for all types of Direct Fired Hot Water Heater (gas, oil or electric) and hot water storage tanks



PLT-5

Specifications

- Maximum Working Pressure: 150psi (10.3 bar)
- Maximum temperature 200°F (93°C)

For additional information, request literature ES-PLT.

MODEL	PLT-5	PLT-12
Max. Pressure – psi	150	150
Max. Temperature °F	200	200
Tank Volume – Gal	2.1	4.5
Tank Acceptance – Gal.	1.26	2.8
Air Precharge – psi	20	20
Connection Size – in. †	¾ Male	¾ Male
Diameter – inches	8	10.5
Length – inches	11	13.5
Weight – lbs.	5.5	10

† – Connection size: **(M)** = Male, **(F)** = Female.

Features

- Polypropylene liner
- Rugged flexible butyl diaphragm
- Field adjustable pre-charge
- IAPMO and NSF listed
- Can be used with most standard water heater and storage tanks

Series CWH-S (5/8" – 7/8")

Flexible, Braided Stainless Steel Water Heater Connectors

- For connecting water heaters to the water supply
- Protects against the destructive effects of system pressure surges
- PVC tubing jacketed with braided stainless steel

Models

CWH-S-FF-L – Size ¾" x ¾" (20 x 20mm), brass female iron pipe (FIP) threaded ends

CWH-S-AF-L – Size 5/8" (16mm) compression end fitting x ¾" (20mm) brass FIP threaded fitting

CWH-S-AL-L – Size 7/8" (22mm) compression end fitting x ¾" (20mm) brass FIP threaded fitting

CWH-S-AA-L – Size 7/8" x 7/8" (22 x 22mm) compression end fittings

CWH-S-FM-L – Size ¾" (20mm) brass FIP thread fitting x ¾" (20mm) brass male iron pipe threaded fitting

CWHS-AM-L – Size 7/8" (22mm) compression end fitting x ¾" (20mm) brass male iron pipe threaded fitting



CWH-S-FF-L

Specifications

Maximum Pressure: 150psi (10.3 bar)

Maximum Temperature: 180°F (82°C)

All hoses are NSF61 approved for safer drinking water

For additional information, request literature F-Flxcon.