

Code

Description

Size

## PRESSURE REDUCING VALVES

### 123 AUS

Series 123-AUS Water Pressure Reducing Valves are designed to reduce incoming water pressure to a sensible level to protect plumbing system components and reduce water consumption.

This series is suitable for water supply pressures up to 2000 kPa (290psig) and comes factory set at 500 kPa. All parts are quickly and easily serviceable without removing the valve from the line.

- High performance
- High flow capacity
- Integral stainless steel valve seat
- Integral stainless steel strainer
- Bronze body construction
- Serviceable in-line

123-020-AUS-FF

20MM F/F

123-020-AUS-RA

20MM R/A



### 25AUB

Designed to reduce incoming water pressure to a sensible level to protect plumbing system components and reduce water consumption.

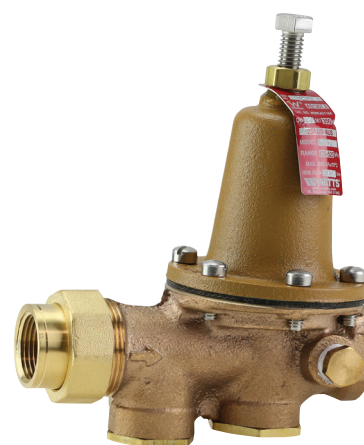
- Standard construction includes Z3 sealed spring cage and stainless steel corrosion resistant adjusting & cage screws for accessible outdoor or pit installations
- Union inlet connection
- Integral stainless steel strainer
- Replaceable seat module
- Lead Free\* cast copper silicon alloy construction
- Serviceable in line
- Bypass feature controls thermal expansion pressure\*\*\*
- High temperature resistant reinforced diaphragm for hot water
- Maximum inlet temperature 71°C

Maximum Adjustment to 517kPa

25AUB-015-G-AUS	15mm
25AUB-020-G-AUS	20mm
25AUB-025-G-AUS	25mm
25AUB-032-G-AUS	32mm
25AUB-040-G-AUS	40mm
25AUB-050-G-AUS	50mm

Maximum Adjustment to 875kPa

25AUB-020-G-AUS-HP	20mm
25AUB-025-G-AUS-HP	25mm
25AUB-032-G-AUS-HP	32mm
25AUB-040-G-AUS-HP	40mm
25AUB-050-G-AUS-HP	50mm



## SECTION 2

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#### P60 MINI WATER REGULATOR

Series P60-M1 Miniature Plastic Water Pressure Regulators are ideal for applications where a small economical package is required. This series is also suitable for deionized water. Series

P60-M1 features a balanced piston design for applications where a constant downstream and accurate flow performance is required.

- Corrosion resistant thermoplastic body
- Compact design and lightweight construction
- All external components are made of NSF approved thermoplastics
- All internal rubber components such as disc, diaphragm and seals are all FDA grade elastomers
- All internal metal components in contact with fluid are of 300 series stainless steel
- Straight through or 90° inlet to outlet option (suffix 4 option)
- High capacity
- Bottom "clean out plug" for service

P60-6-M1-4-0-60	6mm	0-60 psi
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P60-6-M1-4-0-125	6mm	0-125 psi
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#### LF263A SMALL PRESSURE REGULATOR

LF263A Small Pressure Regulators are general purpose pressure regulators for water service. The LF26A, LF263A features Lead Free\* construction to comply with Lead Free\* installation requirements. These regulators are ideal for use in beverage dispensers, ice cube machines and other similar applications. Lead Free\* small pressure regulators shall comply with state codes and standards, where applicable, requiring reduced lead content.

- Rugged forged Lead Free\* Brass body
- Tee handle adjustment
- Oversized orifice

NOTE: Pressure gauge not supplied with all models.

263AP-8-20/175R	6mm	20-175psi
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263AG-10	10mm	170 - 875kpa
263AP-15-0/30R	15mm	0-30psi
263AP-15-20/175R	15mm	20-175psi

263AP-RK	Rubber Repair Kit	
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#### LF263A STAINLESS STEEL SMALL PRESSURE REGULATOR

Series SS-263AP Compact Stainless Steel Water Regulators are designed for use with deionized water, chemical solutions, high purity water purification systems and low pressure steam,

- 15psi (1.0 bar), applications.
- Rugged investment cast stainless steel body and cage
- Stainless steel adjusting screw
- Oversized orifice
- 1/4" (8mm) gauge port
- Temperature Range: 33°F– 120°F (0.5°C – 49°C)
- Maximum Operating Pressure: 400psi (27.6 bar)

263APSS-15-20/175	15mm	20/175 psi
263APSS-15-3/50	15mm	M1 3-50 psi

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### PRESSURE RELIEF VALVES

#### 174A PRESSURE RELIEF

Bronze body safety relief valves for pressure protection only of all types of hot water heating boiler equipment. Pressure range 30 to 150psi (2 - 10 bar) with corresponding high ratings from 650,000 to 14,370,000 BTU/hr. Female inlet and outlet connections. Sizes 3/4" - 2" (20 - 50mm).

- Seat located above drain; water can't be trapped and sediment can't foul seat.
- Non-mechanical seat-to-disc alignment will not stick or freeze.
- Water seal of high temperature resisting material isolates spring working parts from water during relief.



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174A-020-030	20mm	30 psi
174A-025-030	25mm	30 psi
174A-020-045	20mm	45 psi
174A-025-045	25mm	45 psi
174A-020-060	20mm	60 psi
174A-025-060	25mm	60 psi
174A-020-070	20mm	70 psi
174A-020-075	20mm	75 psi
174A-020-90	20mm	90 psi
174A-025-90	25mm	90 psi
174A-020-100	20mm	100 psi
174A-025-100	25mm	100 psi
174A-020-125	20mm	125 psi
174A-025-125	25mm	125 psi
174A-020-150	20mm	150 psi
174A-025-150	25mm	150 psi
174A-032-050	32mm	50 psi
174A-032-90	32mm	90 psi

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### SERIES 40XL TEMPERATURE AND PRESSURE

The combined 2-in-1 Temperature & Pressure Relief Valve provides the least expensive and proven means for protection against both excessive temperature and pressure emergency conditions.

Fully automatic temperature and pressure relief protection for domestic hot water supply tanks and heaters based on the latest ANSI Z21.22

Listing requirements for temperature discharge capacity

- Bronze body construction
- Non-mechanical seat-to-disc alignment
- Thermostat is accurate and proven. Exclusively designed and manufactured by Watts
- Tamper-resistant bonnet screws
- Series 40 and 140 feature a unique thermostat with a special thermo-bonded coating
- Series 140 sizes 1" (25mm) and above are standardly furnished with stainless steel thermostat tube

40XL-020-100210	20mm	100 psi
40XL-020-150210	20mm	50 psi
40XL-025-100210	25mm	100 psi
40XL-025-125210	25mm	125 psi
40XL-025-150210	25mm	150 psi



### 530C CALIBRATED PRESSURE RELIEF

LF530C Pressure Relief Valves are spring operated Lead Free\* brass relief valves designed to be used only as protection from the build up of excessive pressure in systems containing water, oil or air. These valves are not ASME approved safety relief valves and should not be used in system applications with this requirement. They feature a Lead Free\* brass construction with stainless steel springs. Ideally suited as a bypass thermal expansion relief valve, the Series LF530C valves incorporate a calibrated adjustment feature for setting the valve to the relief pressure required. Its adjustable pressure range is 50-175psi (3.4-12.1 bar). Series LF53 is factory preset to standard pressure settings of 75, 100 or 125 (5.2, 6.9 or 8.6 bar). The LF53, LF530C features Lead Free\* construction to comply with Lead Free\* installation requirements.

530C-15-50/175	15mm	50-175 psi
530C-20-100/300	20mm	100-300 psi
530C-20-50/175	20mm	50-175 psi



## SECTION 2

**HYDROFLOW**  
DISTRIBUTORS (AUST) PTY LTD

# PRESSURE, TEMPERATURE & EXPANSION CONTROL

**HYDROFLOW**  
DISTRIBUTORS (AUST) PTY LTD

Code Description Size

### 53L PRESSURE RELIEF VALVE

Poppet Type Pressure Relief Valves for Protection Against Excessive Pressure •Sizes:

LF3L: 20mm LF53L: 15mm

LF3L - Lead Free\* copper alloy body

LF53L - Lead Free\* cast copper silicon alloy body

Furnished with test levers

Relieves excessive pressure on storage tanks

Relieves excessive pressure on tankless water heaters

Pressure range: 75-150psi (5.2-10.3 bar)

Model LF3L

ASME construction/Tested, listed and certified by the National Board of Boiler and Pressure Vessel Inspectors

Model LF53L

Does not comply with ASME requirements Listed and certified by CSA

PRV-15-100 53L

15mm

100 psi

PRV-15-175 FP53L

15mm

175 psi



SECTION 2

### WATTS 740 PRESSURE RELIEF

- Iron body with expanded outlets for hot water space heating boilers.
- Pressure range 30 to 75psi (2 to 5 bar) with corresponding high ratings from 925,000 to 10,700,000 BTU/hr

740-020-30

20mm

30 psi

740-020-45

20mm

45 psi

740-020-60

20mm

60 psi

740-020-75

20mm

75 psi

740-020-90

20mm

90 psi

740-025-60

25mm

60 psi

740-025-75

25mm

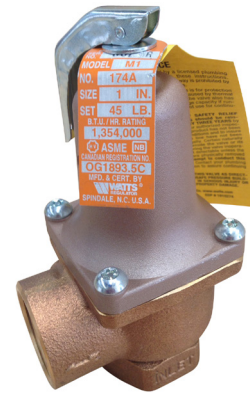
75 psi

740-032-060

32mm set at 60lbs

740-032-075

32mm set at 75lbs



## SECTION 2

# PRESSURE, TEMPERATURE & EXPANSION CONTROL

Code Description Size

### VACUUM RELIEF VALVE

Model LFN36-M1

Watts Model LFN36-M1 Vacuum Relief Valve shall be installed on domestic hot water supply tanks/ heaters/ unit heaters/ steam kettles as indicated on plans. The vacuum relief valve shall be ANSI Z21.22 rated and CSA certified. The vacuum relief valve shall have an all brass body and include a protective cap for automatic venting of a closed system to atmosphere when a vacuum is created. The Lead Free\* Vacuum Relief Valve shall comply with state codes and standards, where applicable, requiring reduced lead content. The Watts LFN36-M1 Vacuum Relief Valve permits air to enter and prevent vacuum conditions that could siphon the water from the system, resulting in collapse of a tank or water heater or equipment burn out. The valve shall be a Watts Model LFN36-M1.

N36-015	15mm
N36-020	20mm



### BP30 BYPASS CONTROL RELIEF VALVE

Series LFBP30 Lead Free\* 15mm Diaphragm Operated Bypass Relief Valves regulate liquid pressure as supplied by a positive pressure pump. These relief valves protect equipment by opening at desired setting and allowing excess volume to be bypassed back to source. They feature Lead Free cast copper silicon alloy body construction, sensitive rubber diaphragms, and Buna-N discs.

- Maximum temperature 180°F (82°C).
- Lead Free\* cast copper silicon alloy body
- Sensitive rubber diaphragm
- Tee handle
- Spring and adjustment handle separated from liquid

BP30-15/10-50	15mm	10-50 psi
BP30-15/45-100	15mm	45-100 psi





Code                      Description                      Size

**WATTS PRESSURE LIMITING VALVES**

Protection for mains pressure hot water systems and ring mains. Compact in-line solution for balancing domestic cold systems.

- Designed to protect systems running hot water up to 80°C
- Pressure compensated to give constant outlet pressure regardless of inlet pressure
- 100% hand tested
- DR Brass construction, precision machined
- Compact design
- Endurance type tested to Australian Standards (50,000 cycles and re tested)
- Field tested in high use commercial hot water application

Nominal Pressure PN20  
Working Temperature 1° - 80°C  
Complies with AS1357.2

LVH15500C	Compression	15mm	500kPa
LVH20500C	Compression	20mm	500kPa
LVH15350FM	Female	15mm	350kPa
LVH15500FM	Female	15mm	500kPa
LVH15600FM	Female	15mm	600kPa
LVH20350FM	Female	20mm	350kPa
LVH20500FM	Female	20mm	500kPa
LVH20600FM	Female	20mm	600kPa
LVH15500FL	Flare	15mm	500kPa
LVH20500FL	Flare	20mm	500kPa



AS1357.2  
LIC. WMKA25916



*Compression*



*Female*



*Flare*

**NUTS NOT INCLUDED**

Code Description Size

## WATTS NON RETURN ISOLATION VALVES

Non return valve with isolation for mains pressure water systems.

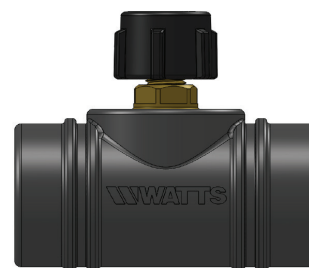
- 100% hand tested
- DR Brass construction, precision machined
- Compact design
- Endurance Tested to Australian Standards
- Two year guarantee against faulty materials and manufacturing. Refer website for terms and conditions.
- Nuts and olives included with Compression variant, nuts included with Flare variant

Nominal Pressure PN14

Working Temperature 1°-40°C

Complies with AS1357.1, AS1357.2

NRI15C	Compression	15mm
NRI20C	Compression	20mm
NRI15FM	Female	15mm
NRI20FM	Female	20mm
NRI15FL	Flare	15mm
NRI20FL	Flare	20mm



*Non Return Isolation shown with  
Insulation*



*Compression*



*Flare*



*Female*



AS1357.1  
LIC. WMKA26120



## SECTION 2

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### WATTS TEMPERING VALVES - STANDARD

Used in hot water supply systems to mix hot and cold water to a controlled outlet temperature, reducing the risk of exposure to excessively hot water.

- Mains pressure installations
- Can be installed in any orientation
- Failsafe shutdown –in the event of failure of hot and cold supplies
- High quality corrosion resistant DR Brass body
- 100% Tested
- Two year guarantee against faulty materials and manufacturing. Refer website for terms and conditions.
- Nuts, olives and insulation included with valve



- Nominal Pressure PN14
- Hot Water Temperature 65° - 99°C
- Cold Water Temperature 1° -20°C
- Factory set to 50°C . Can be adjusted from 40°C to 50°C Stored water must be at least 10°C above the tempering valve setting and over 60°C
- Complies with AS4032.2

TVA15C	Compression	15mm	500kPa
TVA20C	Compression	20mm	500kPa



AS4032.2  
LIC. WMKA26118

### WATTS TEMPERING VALVES - SOLAR

Used in hot water supply systems to mix hot and cold water to a controlled outlet temperature, reducing the risk of exposure to excessively hot water. Higher hot water supply temperature rating so as to be suitable for solar hot water applications.

- Mains pressure installations
- Can be installed in any orientation
- Failsafe shutdown –in the event of failure of hot and cold supplies
- High quality corrosion resistant DR Brass body
- 100% Tested
- Two year guarantee against faulty materials and manufacturing. Refer website for terms and conditions.
- Nuts, olives and insulation included with valve



Nominal Pressure PN14  
Hot Water Temperature 65° - 110°C  
Cold Water Temperature 1° -20°C  
Factory set to 50°C . Can be adjusted from 40°C to 50°C Stored water must be at least 10°C above the tempering valve setting and over 60°C  
Complies with AS4032.2

TVAS15C	Compression	15mm	500kPa
TVAS20C	Compression	20mm	500kPa



AS4032.2  
LIC. WMKA26118

Code

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## EXPANSION CONTROL VALVES

Energy saving valve. Relieves cold water rather than hot, saving electricity. protection against excessive hot water cylinder pressure.

- All bronze body
- Auxiliary pressure relief device
- Precision machined
- Compact design
- Endurance Tested to Australian Standards (25000 cycles pressure relief and re tested)
- Two year guarantee against faulty materials and manufacturing. Refer website for terms and conditions.

Maximum temperature 99°C  
Complies with AS/NZS 3500.4.



ECVI5550	15mm	550kPa
ECV20550	20mm	550kPa
ECVI5700	15mm	700kPa
ECV20700	20mm	700kPa
ECVI5850	15mm	850kPa
ECV20850	20mm	850kPa
ECVI51200	15mm	1200kPa
ECV201200	20mm	1200kPa



AS1357.1  
LIC. WMKA26120

## TEMPERING AND PRESSURE RELIEF

The Pressure and Temperature Relief valve will relieve increased pressure caused by hot water expansion during the normal heating cycle. Providing fully automatic temperature and pressure relief protection for water heaters and hot water storage tanks

- Unique thermostat with special thermo-bonded coating
- All bronze body
- Stainless steel spring
- Thermostat is accurate and proven. Exclusively designed and manufactured by Watts
- Temperature relief at 93 -99 ° C
- Pressure relief at 1000kpa or 1400kpa depending on model
- Auxiliary pressure relief device
- Precision machined
- Compact design
- Endurance Tested to Australian Standards (10000 cycles temperature relief and re tested, 25000 cycles pressure relief and re tested)
- Field Tested in high use commercial hot water applications
- Two year guarantee against faulty materials and manufacturing. Refer website for terms and conditions.

Maximum Temperature 99°C  
Complies with AS1357.1



1/2C100XL-1000	15mm	1000kPa
3/4C100XL-1000	20mm	1000kPa
1/2C100XL-1400	15mm	1400kPa
3/4C100XL-1400	20mm	1400kPa



AS1357.1  
LIC. WMKA26120