

TOMSON
valves

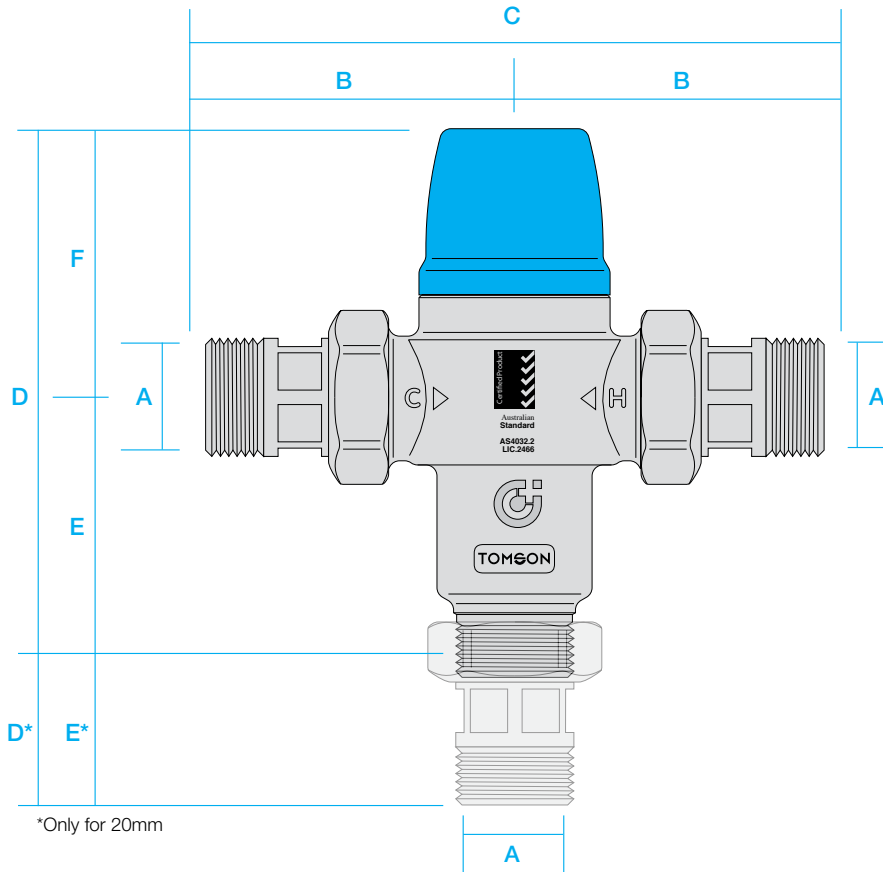


Total
Control.

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Tempering Valves

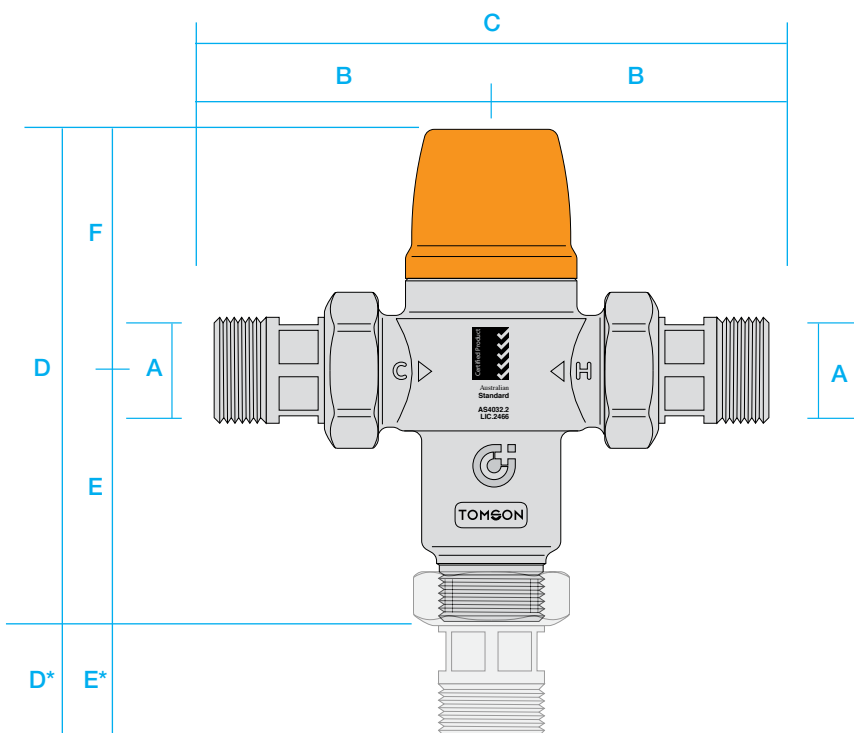


*Only for 20mm



Standard Tempering Valve

	15 MM	20 MM
A	15mm	20mm
B	62.5mm	69mm
C	125mm	138mm
D	97.5mm	133mm
E	48.5mm	84mm
F	49mm	49mm



*Only for 20mm



High Performance Solar

	15 MM	20 MM
A	15mm	20mm
B	62.5mm	69mm
C	125mm	138mm
D	97.5mm	133mm
E	48.5mm	84mm
F	49mm	49mm

STANDARD TEMPERING VALVE

Recommended Use The tempering valve is used to regulate the set temperature of mixed hot and cold water even when variations occur in the water supply conditions for storage gas and electric hot water units.

Reece Code and Description	
109210	TOMSON STD TEMPERING VALVE 15MM
109211	TOMSON STD TEMPERING VALVE 20MM

Specifications

Temperature Control: $\pm 3^{\circ}\text{C}$
 Minimum Cold Inlet Temperature: 5°C
 Maximum Cold Inlet Temperature: 30°C
 Minimum Hot Inlet Temperature: 55°C
 Maximum Hot Inlet Temperature: 85°C
 Maximum Working Pressure: 1400kPa
 Minimum Flow Rate For Stable Operation: 4 L/min

Warranty

2 years

Standards

AS4032.2
 LN:WMKA2466

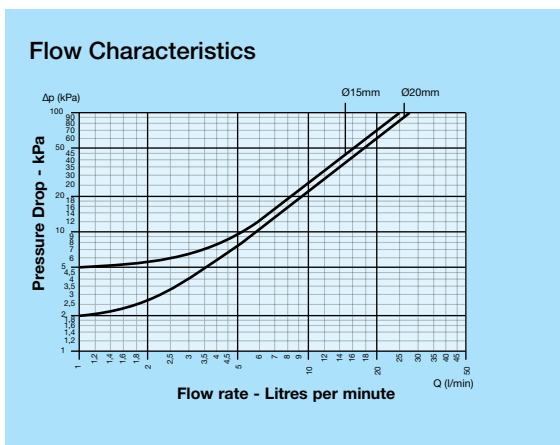
Installation

Valve must be commissioned on site to achieve desired temperature. Prior to the installation, the system must be checked to ensure that the system operating conditions fall within the recommended operating range of the valve, i.e. verify supply temperatures, supply pressures, risk assessments, etc.

Must be installed by a licensed plumber.

Materials

Valve Body: DZR alloy



HIGH PERFORMANCE SOLAR

Recommended Use The tempering valve is used to regulate the temperature of mixed hot and cold water even when variations occur in the water supply conditions for continuous flow, solar and heat pump hot water units.

Reece Code and Description	
109248	TOMSON HPS TEMPERING VALVE 15MM
109249	TOMSON HPS TEMPERING VALVE 20MM

Specifications

Temperature Control: $\pm 3^{\circ}\text{C}$
 Minimum Cold Inlet Temperature: 5°C
 Maximum Cold Inlet Temperature: 30°C
 Minimum Hot Inlet Temperature: 55°C
 Maximum Hot Inlet Temperature: 100°C
 Maximum Working Pressure: 1400kPa
 Minimum Flow Rate For Stable Operation: 4L/min

Warranty

2 years

Standards

AS4032.2
 LN:WMKA2466

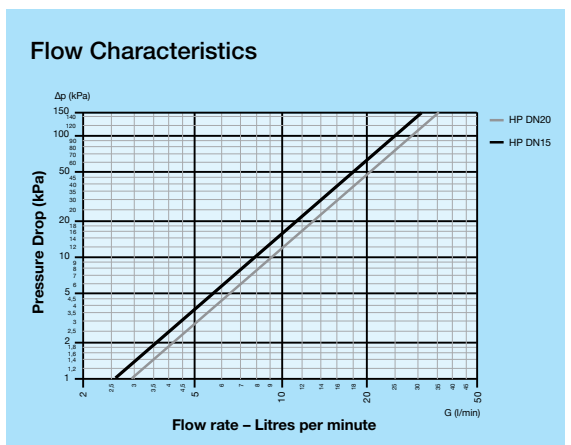
Installation

Valve must be commissioned on site to achieve desired temperature. Prior to the installation, the system must be checked to ensure that the system operating conditions fall within the recommended operating range of the valve, i.e. verify supply temperatures, supply pressures, risk assessments, etc.

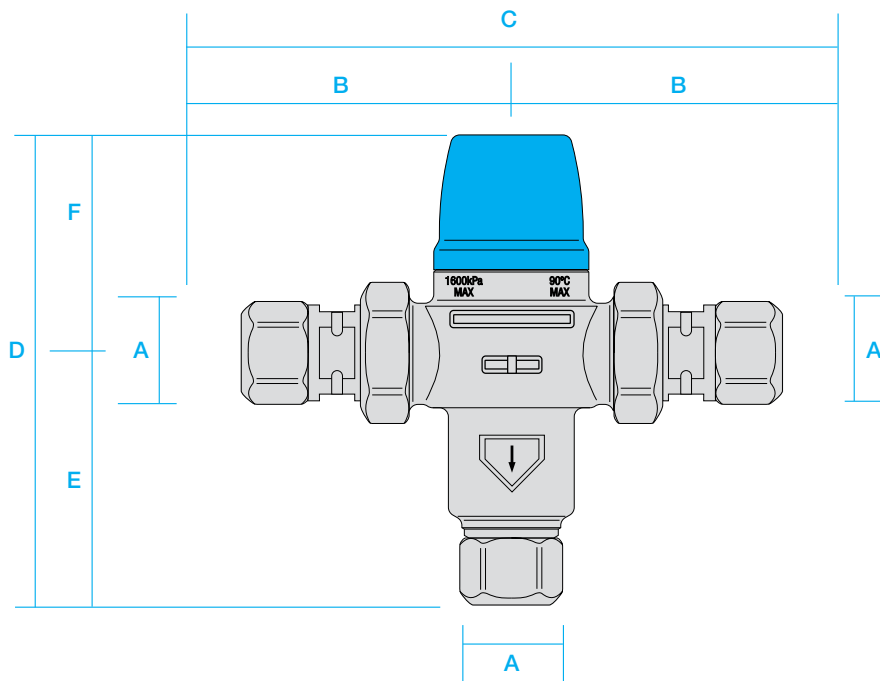
Must be installed by a licensed plumber.

Materials

Valve Body: DZR alloy

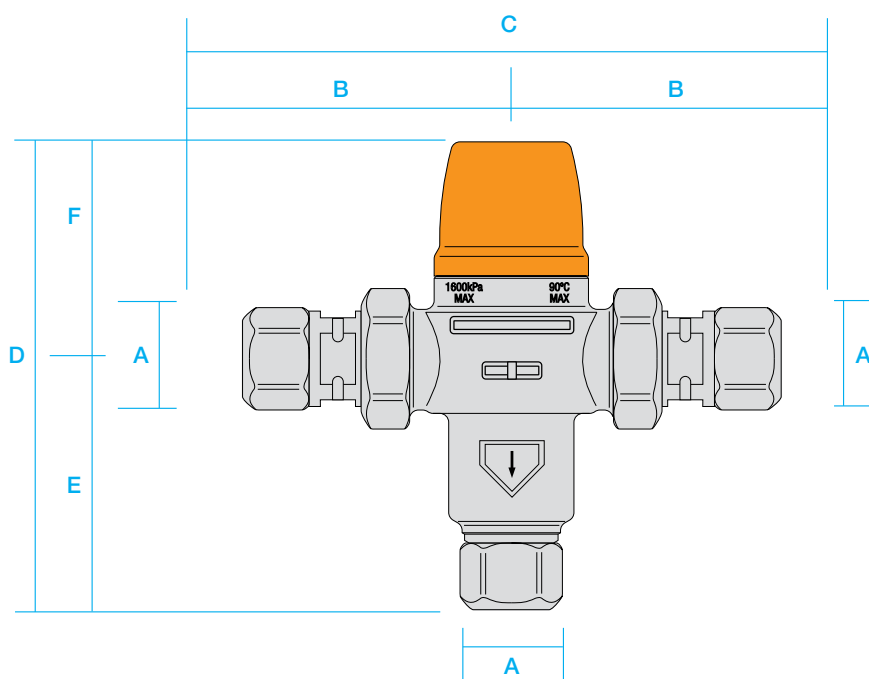


Tempering Valves



Standard Tempering Valve

	15 MM	20 MM
A	15mm	20mm
B	70mm	74mm
C	140mm	148mm
D	111mm	106mm
E	60.4mm	56mm
F	50.6mm	50mm



High Performance Solar

	15 MM	20 MM
A	15mm	22mm
B	70mm	74mm
C	140mm	148mm
D	111mm	106mm
E	60.4mm	56mm
F	50.6mm	50mm

Optional Copper Olive and Nuts also included for horizontal connections.

STANDARD TEMPERING VALVE WITH INSULATION

Recommended Use The tempering valve is used to regulate the set temperature of mixed hot and cold water even when variations occur in the water supply conditions for storage gas and electric hot water units.

Reece Code and Description	
109291	TOMSON STD TEMPERING VALVE WITH INSULATION 15MM
109292	TOMSON STD TEMPERING VALVE WITH INSULATION 20MM

Specifications

Hot Temperature Supply Range: 60°C - 90°C

Cold Temperature Supply Range: 5°C - 30°C

Maximum Supply Pressure: 1600kPa

Supply Pressure Imbalance: 2:1 (max)

Minimum Temperature Differential: 10°C

Flow Rate, Minimum: 4 L/min

Warranty

2 years

Standards

AS4032.2

LN:WMKA1593

Installation

Valve must be commissioned on site to achieve desired temperature. Prior to the installation, the system must be checked to ensure that the system operating conditions fall within the recommended operating range of the valve, i.e. verify supply temperatures, supply pressures, risk assessments, etc.

Must be installed by a licensed plumber.

Materials

Brass (body and fittings)

SOLAR TEMPERING VALVE WITH INSULATION

Recommended Use The tempering valve is used to regulate the temperature of mixed hot and cold water even when variations occur in the water supply conditions for continuous flow, solar and heat pump hot water units.

Reece Code and Description	
109293	TOMSON HPS TEMPERING VALVE WITH INSULATION 15MM
109294	TOMSON HPS TEMPERING VALVE WITH INSULATION 20MM

Specifications

Hot Temperature Supply Range: 60°C - 99°C

Cold Temperature Supply Range: 5°C - 30°C

Maximum Supply Pressure: 1600kPa

Supply Pressure Imbalance: 2:1 (max)

Minimum Temperature Differential: 10°C

Flow Rate, Minimum: 4 L/min

Warranty

2 years

Standards

AS4032.2

LN:WMKA1593

Installation

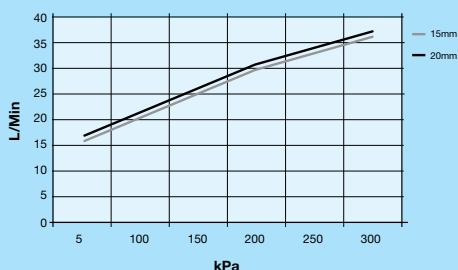
Valve must be commissioned on site to achieve desired temperature. Prior to the installation, the system must be checked to ensure that the system operating conditions fall within the recommended operating range of the valve, i.e. verify supply temperatures, supply pressures, risk assessments, etc.

Must be installed by a licensed plumber.

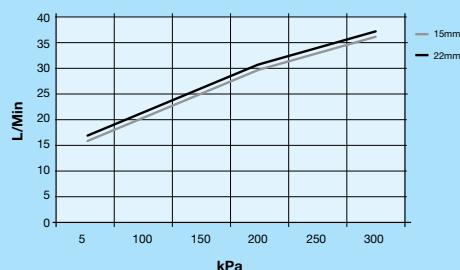
Materials

Brass (body and fittings)

Flow Characteristics

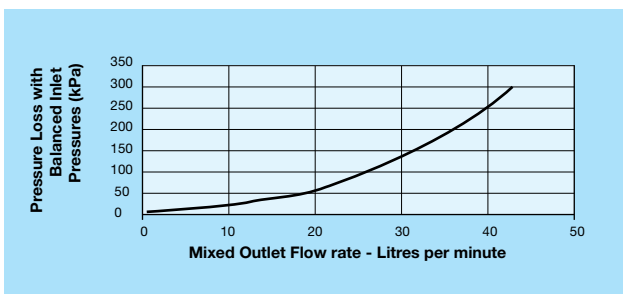


Flow Characteristics



Thermostatic Mixing Valves

Recommended Use The thermostatic mixing valves are a safe and reliable way to control water temperature.



Reece Code and Description

109296	TOMSON TMV 15MM
109297	TOMSON TMV SERVICE KIT
109298	TOMSON TMV WALL BRACKET
109299	TOMSON TMV STAINLESS STEEL BOX

Installation Conditions

Hot Temperature Supply Range: 55°C - 90°C

Cold Temperature Supply Range: 5°C - 30°C

Maximum Supply Pressure: 1600kPa

Pressure Loss Ratio: 10:1 (max)

Operating Specifications

Accuracy: $\pm 2^\circ\text{C}$

Operating Temperature Range: 35°C - 50°C

Factory Set Temperature Range: 43°C $\pm 2^\circ\text{C}$

Minimum Temperature Differential (hot supply and outlet temp): 10°C

Minimum Flow Rate: 4 L/min

Warranty

2 years

Standards

AS4032.1-2005 Lic. No. WMKA1593

NSW Health Approved

Installation

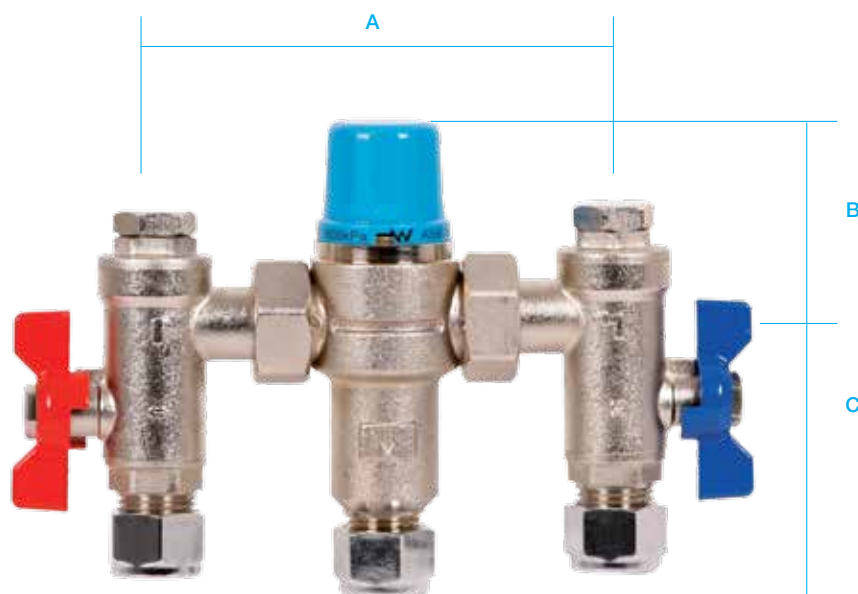
Must be fitted and installed in accordance with AS/NZS 3500.1.

Must be installed by a licensed plumber.

Materials

Nickel plated body and fittings.

Chrome plated $\frac{1}{2}$ " nuts

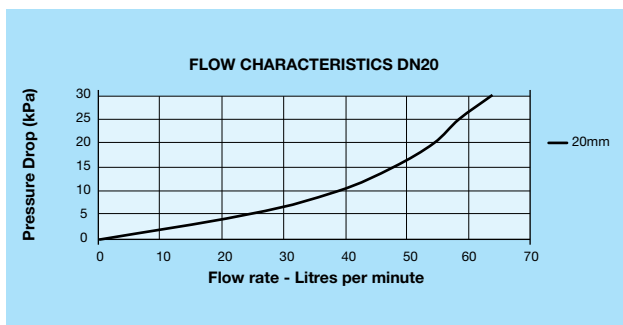
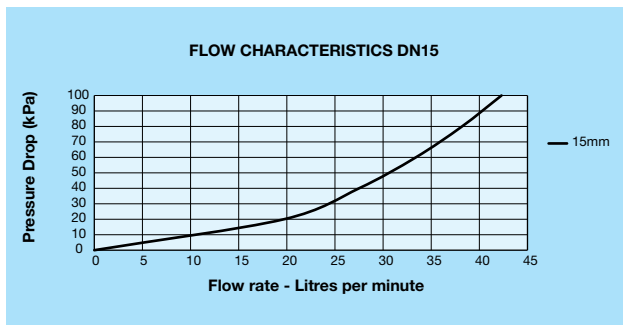


Thermostatic Mixing Valve

	15 MM
A	121mm
B	52mm
C	70mm

Non-Return Isolating Valves

Recommended Use To prevent contamination of mains supply and protection from isolation of water.



Reece Code and Description	
1003783	TOMSON NRI BALL VALVE 15MM C&C
1003784	TOMSON NRI BALL VALVE 20MM C&C
1003785	TOMSON NRI BALL VALVE 15MM C&C (INT FLARE)
1003788	TOMSON NRI BALL VALVE 15MM F&F
1003789	TOMSON NRI BALL VALVE 20MM F&F

Installation Conditions

Maximum Inlet Pressure: 1400kPa
 Maximum Inlet Temperature (Peak): 93°C
 Maximum Inlet Temperature (Continuous): 65°C
 Fluid Media: Water

Warranty

2 years

Standards

Standards: AS1357.1 and AS1357.2
 Standards Lic. No. WMKA21984

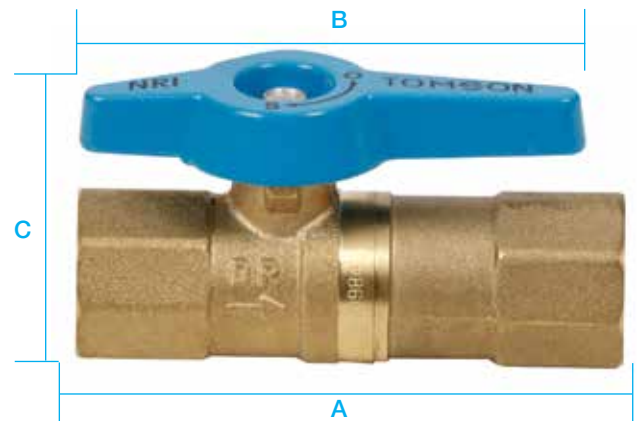
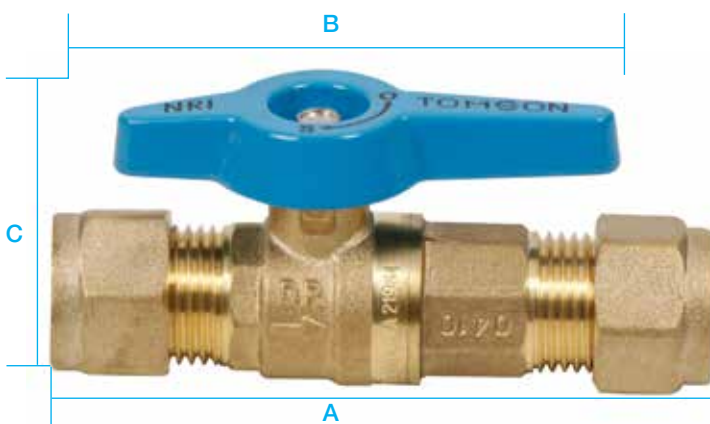
Installation

Must be fitted and installed in accordance with AS/NZS 3500.1 and by a licensed plumber. Install valve with direction of flow as indicated by arrow on valve body. Valve suitable for horizontal or vertical installations. Flush plumbing lines before connection. Ensure that the lever is easily accessible.

Must be installed by a licensed plumber.

Materials

Valve Body: DR brass
 Handle: Aluminium



Tomson C&C

	15 MM (OLIVE)	20 MM (OLIVE)	15 MM (INT FLARE)
A	103mm	110mm	94mm
B	75mm	75mm	74mm
C	45mm	53mm	45mm

Tomson F&F

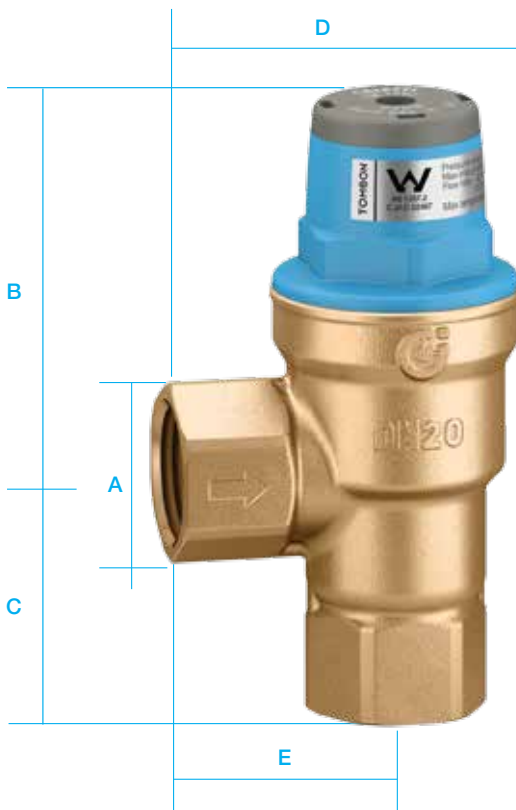
	15 MM	20 MM
A	81mm	95mm
B	75mm	75mm
C	45mm	53mm

Pressure Reducing Valves



Straight Adjustable

	15 MM	20 MM	25 MM
A	1/2"	3/4"	1"
B	74.5mm	74.5mm	74.5mm
C	22mm	22mm	23mm
D	Ø46mm	Ø46mm	Ø46mm
E	79mm	84.5mm	95mm



Right Angled Locked

	20 MM
A	3/4"
B	67mm
C	46mm
D	Ø46mm
E	43mm

STRAIGHT ADJUSTABLE

Recommended Use Reduce pressure from domestic mains water supply.

Reece Code and Description	
9504090	TOMSON PRV STRAIGHT ADJ SET @ 500KPA 15MM
9504091	TOMSON PRV STRAIGHT ADJ SET @ 500KPA 20MM
9504092	TOMSON PRV STRAIGHT ADJ SET @ 500KPA 25MM
9505198	TOMSON PRV STRAIGHT ADJ SET @ 350KPA 20MM

Installation Conditions

Maximum Supply Temperature: 80°C
 Maximum Inlet Pressure: 2000kPa
 Adjustable Outlet Pressure Range: 100 – 600kPa
 Fluid Media: Water

Operating Specifications

Factory Set Pressure: 350 or 500kPa ± 10%

Warranty

2 years

Standards

AS1357.2 Standards
 Lic. No. WMKA02467

Installation

Do not install valve where it may become frozen.
 Freezing will cause damage to the valve components.
 Pressure Adjustment: The valve is user adjustable.
 Use flat-bladed screw driver to increase or decrease outlet pressure as required.

Must be installed by a licensed plumber.

Materials

Surface Finish: Valve body is natural finish forged brass.
 Gauge Port: Valve body has a G 1/4" gauge port with removable gauge plug.
 Cap: ABS

RIGHT ANGLED LOCKED

Recommended Use Reduce pressure from domestic mains water supply.

Reece Code and Description	
9504093	TOMSON PRV R/ANG LOCKED 500KPA 20MM

Installation Conditions

Maximum Supply Temperature: 80°C
 Maximum Inlet Pressure: 2000kPa
 Adjustable Outlet Pressure Range: Locked @ 500kPa
 Fluid Media: Water

Operating Specifications

Factory Set Pressure: 500kPa ± 10%

Warranty

2 years

Standards

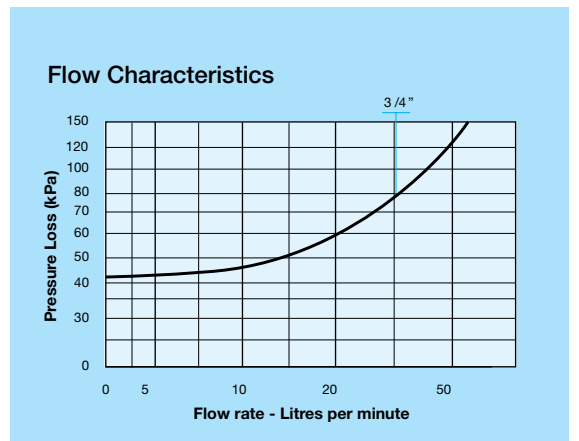
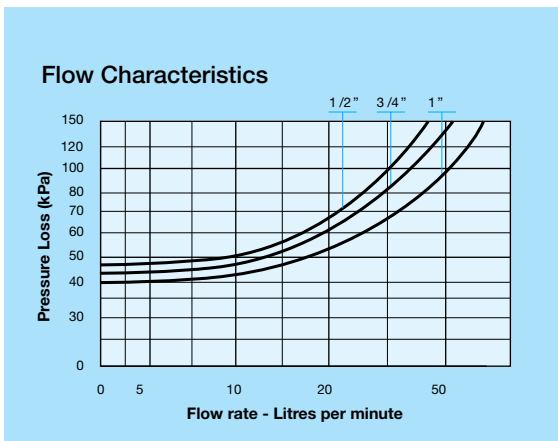
AS1357.2 Standards
 Lic. No. WMKA02467

Installation

Do not install valve where it may become frozen.
 Freezing will cause damage to the valve components.
Must be installed by a licensed plumber.

Materials

Surface Finish: Valve body is natural finish forged brass.
 Ports: The entry port is at a right-angle (90°) with the exit port.
 Cap: ABS



Pressure Limiting Valves

INLET PRESSURE CONTROL

The Tomson inline pressure limiting valve (PLV) limits supply pressure to a preset maximum to prevent damage to appliances and tapware down the line.

The valve remains open whilst the pressure in the supply line remains below that preset maximum pressure. An increase in the supply pressure above the preset limit will cause the valve to shut-off until pressure returns below the limit.

Reece Code and Description	
9504000	TOMSON PLV F&F 15MM 350KPA
9504001	TOMSON PLV F&F 15MM 500KPA
9504002	TOMSON PLV F&F 15MM 600KPA
9504003	TOMSON PLV C&C 15MM 350KPA
9504004	TOMSON PLV C&C 15MM 500KPA

Specifications

Maximum Inlet Temperature: 80°C
Maximum Inlet Pressure: 2000kPa

Warranty

2 years

Standards

AS1357.2
Lic No. WMKA25646

Installation

Flush all impurities from pipe before installing the Tomson PLV.
Install the valve in accordance with direction of flow, as indicated by an arrow on the valve body.

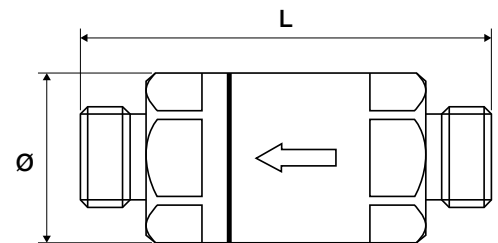
The valve is suitable for vertical or horizontal installation.

Install the Tomson PLV downstream of a Tomson NRI valve and line strainer.

Must be installed by a licensed plumber to AS/NZS 3500.

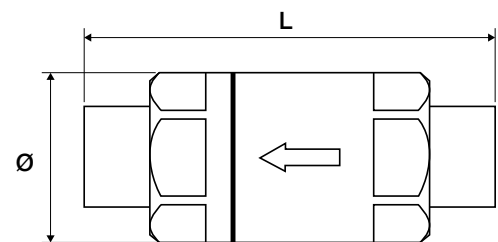
Materials

Body UNI EN 12164 CW602
Spring AISI 302 EN 10270-3NS
Seat disc UNI EN 12164 CW602 + EPDM
Piston AISI 304 EN 10270-3NS



C&C

L	78mm
Ø	35.8mm



F&F

L	89mm
Ø	35.8mm

Pressure & Temperature Relief Valves

Recommended Use The pressure and temperature relief valve is designed to relieve excess pressure and temperature, which may develop during the normal heating cycle.

Reece Code and Description	
9503905	TOMSON PTR VALVE 15MM 850KPA
9503906	TOMSON PTR VALVE 15MM 1000KPA
9503907	TOMSON PTR VALVE 15MM 1400KPA
9503908	TOMSON PTR VALVE W/EXT 15MM 1000KPA
9503909	TOMSON PTR VALVE W/EXT 15MM 1400KPA

Installation Conditions

Inlet ½" male

Drain ½" female

Standard Pressure Settings:

850, 1000, 1400kPa

Opening Temperature: Not exceeding 99°C

Valve Rated: 10kW

Warranty

2 years

Standards

Designed and Manufactured to AS1357.1

WMKA 0938

Installation

Should the temperature probe protruding from inside the inlet thread be damaged or bent, do not install, and obtain a replacement valve.

Clean out all deposits from the valve housing before fitting a replacement valve, otherwise the new valve risks contamination and premature failure.

Apply PTFE thread tape to the male taper thread, making sure that the tape does not hang over the outer end of the thread, as this can lead to premature valve failure.

Screw the valve into the heater socket. Do not use a wrench on the valve body.

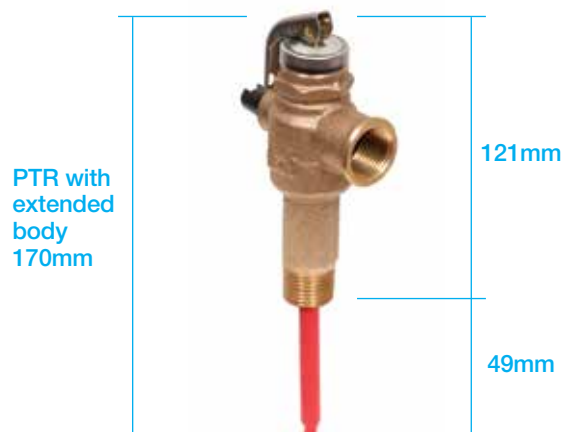
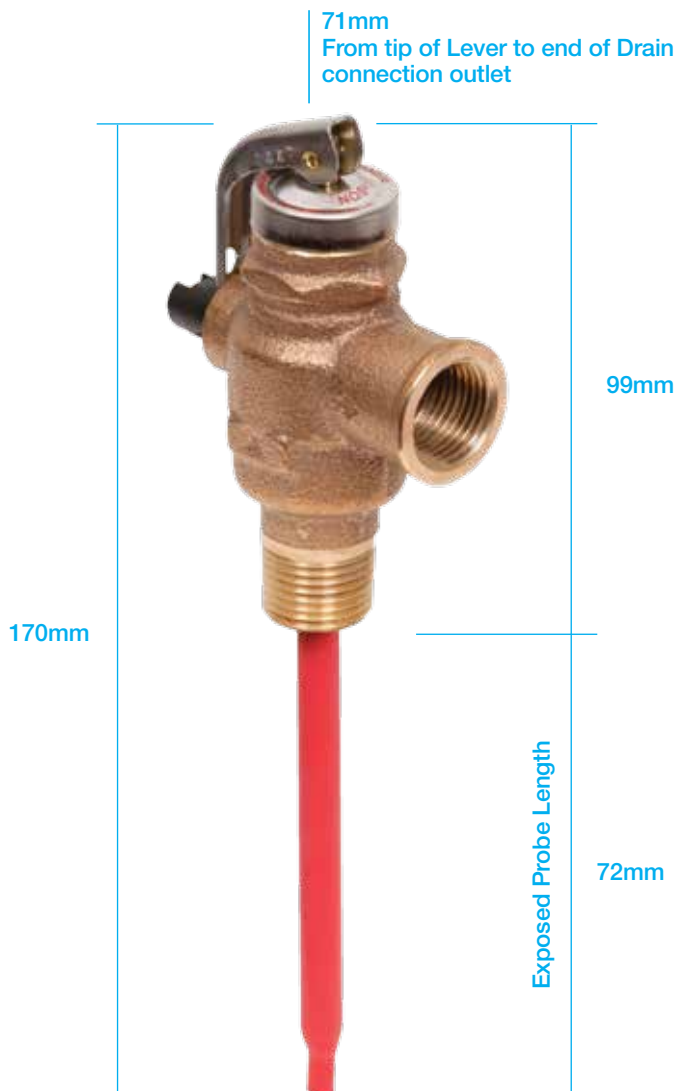
No valves, taps, or other isolating devices are to be fitted between the Temperature and Pressure Relief Valve and the water heater.

Install the drain line to match the nominal size of the valve.

Must be installed by a licensed plumber.

Materials

Valve Body: DR brass



Expansion Control Valves

Recommended Use Expansion control valves are fitted to allow cold water to be relieved during the heating expansion cycle.

Reece Code and Description	
9503910	TOMSON ECV 15MM 700KPA
9503911	TOMSON ECV 15MM 850KPA
9503912	TOMSON ECV 15MM 1200KPA

Installation Conditions

Inlet ½" BSPT male

Drain ½" BSP female

Standard Pressure Settings:
700, 850, 1200kPa

Opening Temperature: Not exceeding 99°C

Valve Rated: 20kW

Warranty

2 years

Standards

Designed and Manufactured to AS1357.1
WMKA 0938

Installation

Clean out all deposits from the valve housing before fitting a replacement valve, otherwise the new valve risks contamination and premature failure.

Apply PTFE thread tape to the male taper thread, making sure that the tape does not hang over the outer end of the thread, as this can lead to premature valve failure.

Screw the valve into a 'T' piece fitted between the non-return valve and the heater inlet. Do not use a wrench on the valve body.

Install the drain line to match the nominal size of the valve.

Must be installed by a licensed plumber.

Materials

Valve body: DR brass

71mm
From tip of lever to end of
drain connection outlet



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TOMSON™

