

TOMSON
valves



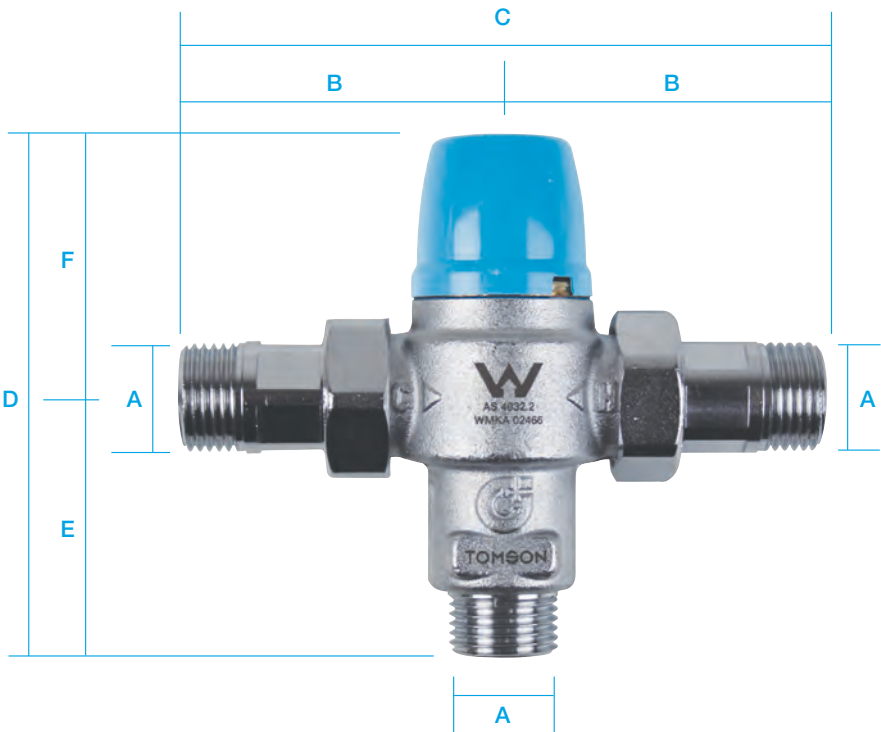
Total
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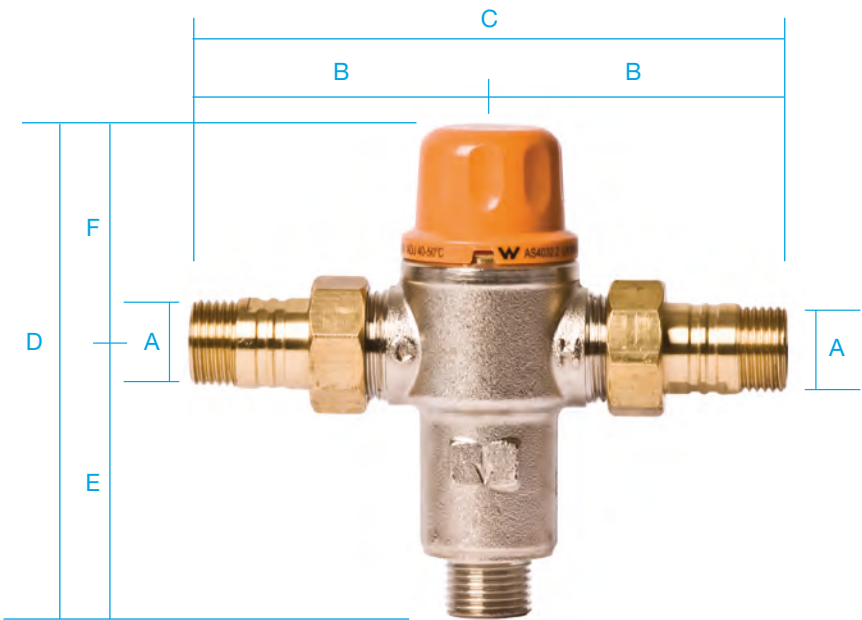


Tempering Valves



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



High Performance Solar

	15 MM	20 MM
A	15mm	20mm
B	142mm	164mm
C	166mm	194mm
D	44mm	113mm
E	74mm	75mm
F	63mm	62mm

Optional Copper Olive and Nuts also included for horizontal connections.

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 :1400 kPa
Minimum flow rate for stable operation: 4 l/min

Warranty

1 year

Standards

AS4032.2
LN:WMKA2466

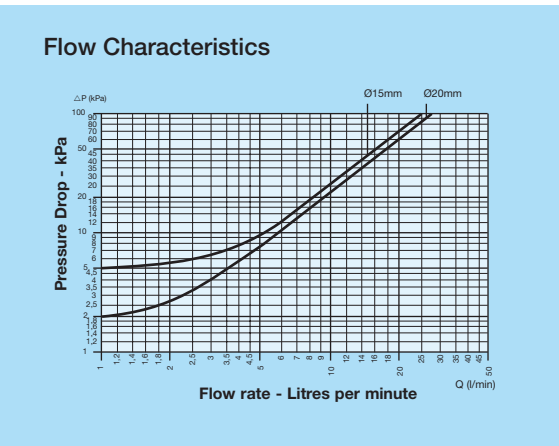
Installation

Temperature set: Must be commissioned on site to achieve desired temperature. Prior to the installation of the Tomson valve, 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	
109216	TOMSON HPS TEMPERING VALVE 15MM
109217	TOMSON HPS TEMPERING VALVE 20MM

Specifications

Hot Temperature Supply Range: $55^{\circ}\text{C} - 99^{\circ}\text{C}$
Cold Temperature Supply Range: $5^{\circ}\text{C} - 30^{\circ}\text{C}$
Adjustable Temperature Range: Full Cold – 55°C
Maximum Supply Pressure: 1600kPa
Maximum supply pressure variation: 2:1
Minimum Temperature differential (between hot supply and outlet temperature): 10°C
Flow rate, minimum: 4 L/min
Flow rate, maximum @ 300kPa: 36 L/min

Warranty

2 years

Standards

AS4032.2
LN:WMKA1593

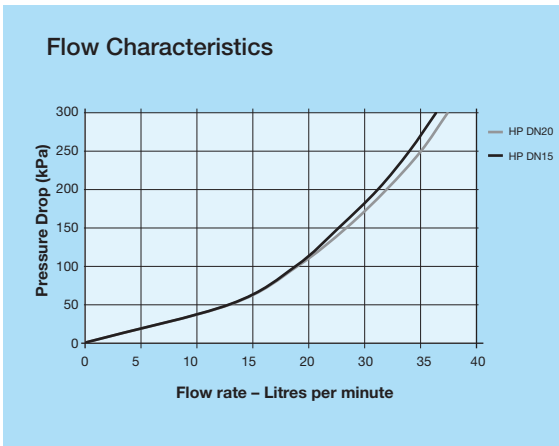
Installation

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.

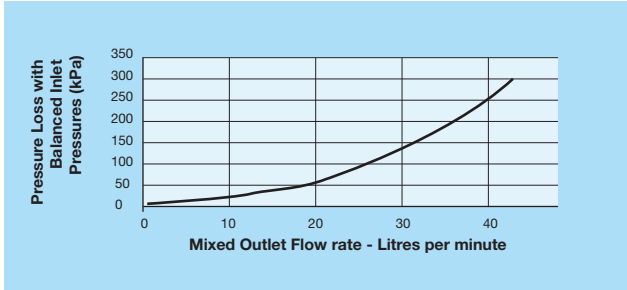
Materials

Surface Finish: Nickel plated body with un-plated fittings



Thermostatic Mixing Valves

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



Reece Code & Description	
109296	TOMSON TMV 15MM
109297	TOMSON TMV SERVICE KIT
109298	TOMSON TMV WALL BRACKET
109299	TOMSON TMV STAINLESS STEEL BOX

Installation Conditions
 Hot Temp Supply Range: 55°C - 90°C
 Cold Temp Supply Range: 5°C - 30°C
 Max. Supply Pressure: 1600kPa
 Pressure Loss Ratio: 10:1 (max)

Operating Specifications
 Accuracy: ±2°C
 Operating Temperature Range: 35°C - 50°C
 Factory Set Temperature Range: 43°C ±2°C
 Min. Temperature Differential (hot supply and outlet temp): 10°C
 Min. Flow rate: 4 L/min

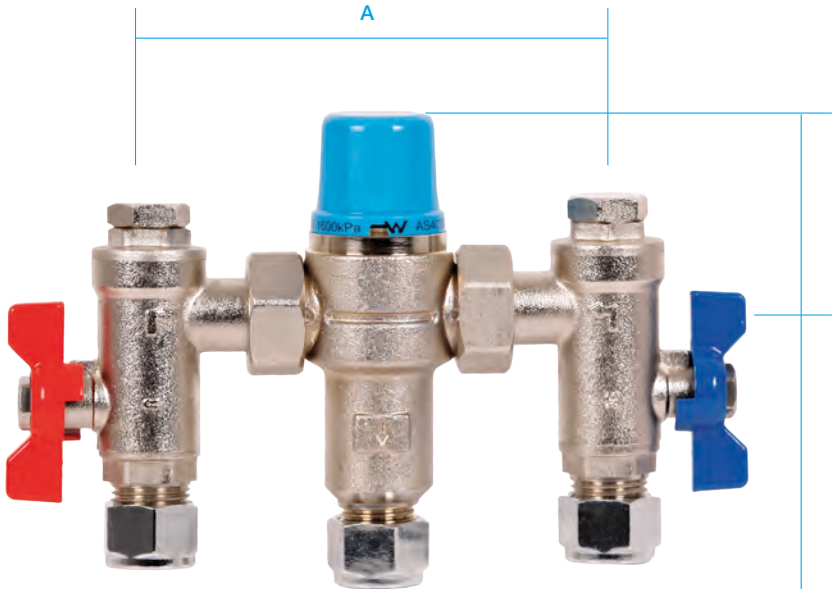
Warranty
 2 Year

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.

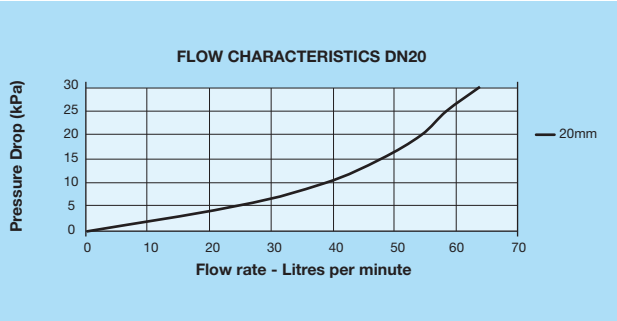
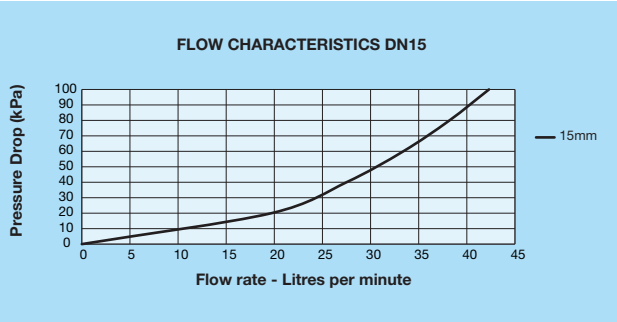
Materials
 Nickel plated body and fittings.
 Chrome plated ½" nuts



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 & 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

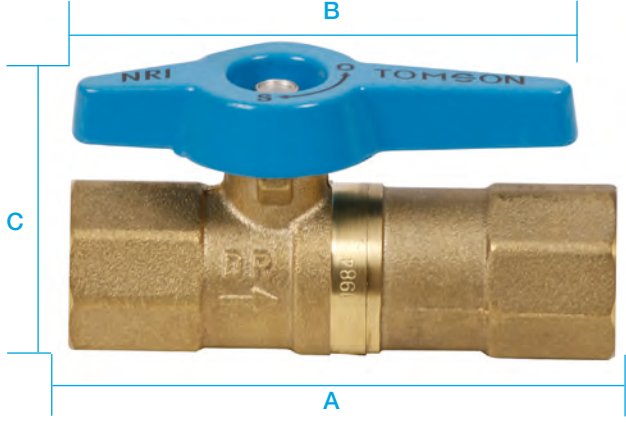
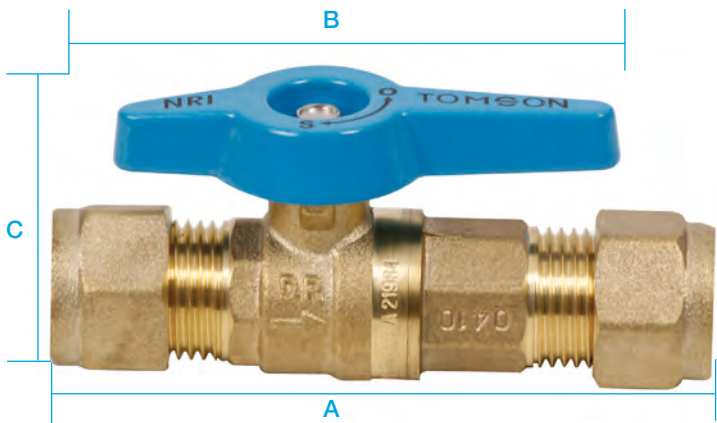
Installation Conditions
Maximum Inlet Pressure: 1400kPa
Maximum Inlet Temperature (Peak): 93°C
Maximum Inlet Temperature (Continuous): 65°C
Fluid Media: Water

Warranty
2 Year

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



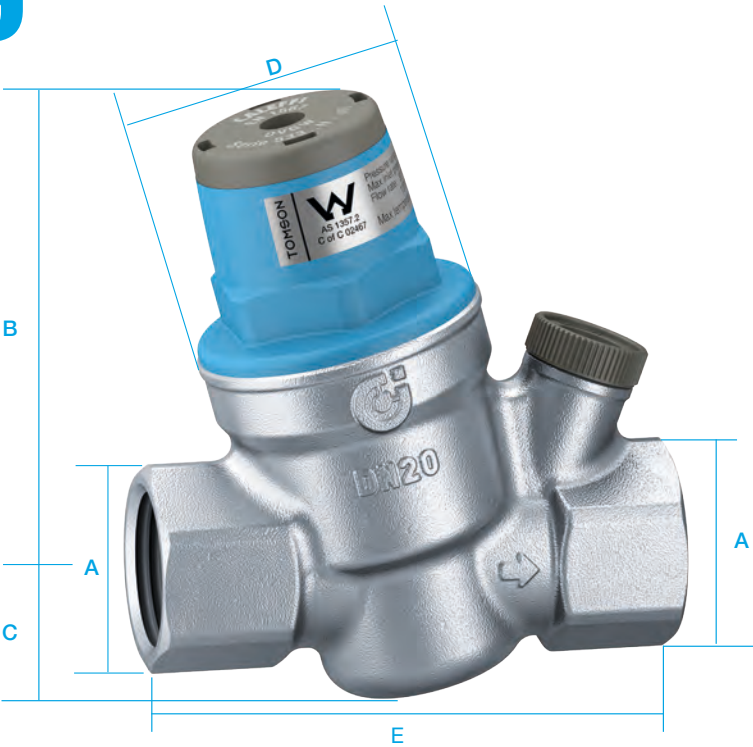
Tomson C&C

	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

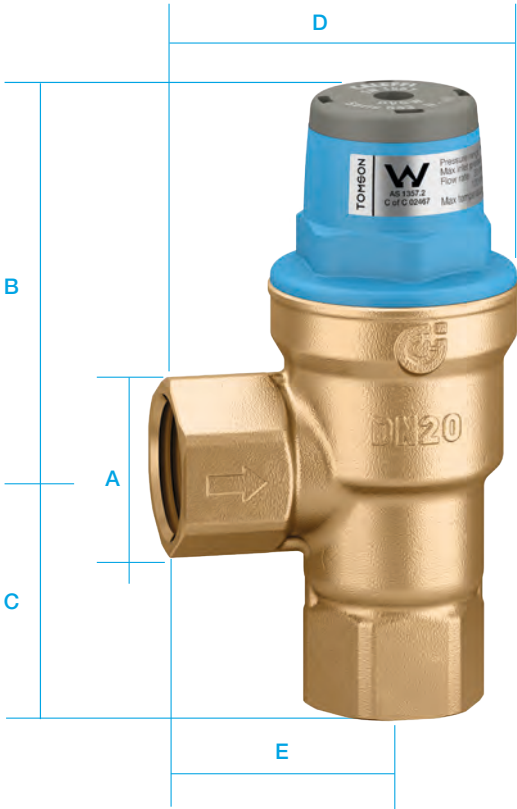
	15 MM	20 MM
A	81mm	95mm
B	75mm	75mm
C	45mm	53mm

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 100-600KPA 15MM
9504091	TOMSON PRV STRAIGHT ADJ 100-600KPA 20MM
9504092	TOMSON PRV STRAIGHT ADJ 100-600KPA 25MM

Installation Conditions

Maximum Supply Temperature: 80°C
Maximum Inlet Pressure: 2000kPa
Adjustable Outlet Pressure Range: 100 – 600kPa (Factory Set at 500kPa)
Fluid Media: Water

Operating Specifications

Factory Set Pressure: 500kPa ± 10%

Warranty

2 Years

Standards

AS1357.2 Standards
Lic. No. WMKA02467

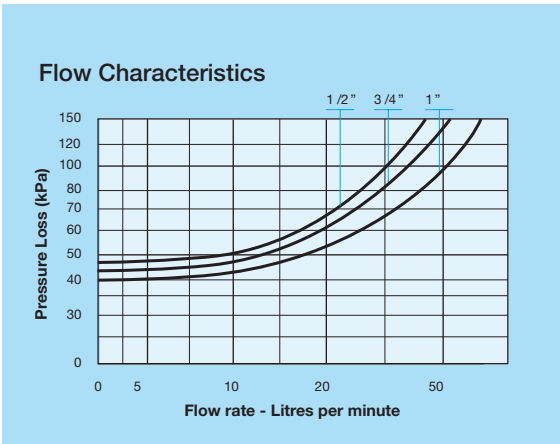
Installation

Do not install valve where it may become frozen.
Freezing will cause damage to the valve components
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 ¼” 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

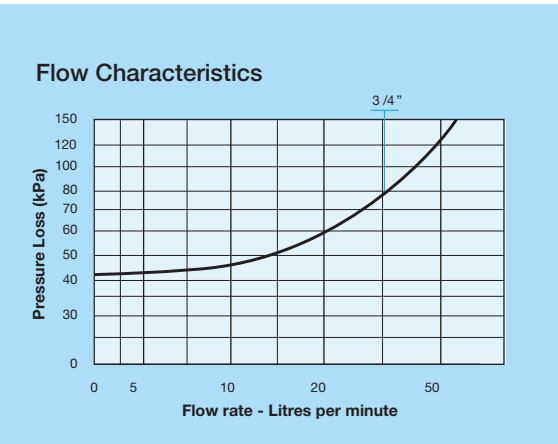
AS1357.2 Standards
Lic. No. WMKA02467

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	Product Description	Part Number
9504000	TOMSON PLV F&F 15MM 350KPA	P010132.GG
9504001	TOMSON PLV F&F 15MM 500KPA	P010132.NN
9504002	TOMSON PLV F&F 15MM 600KPA	P010132.RR
9504003	TOMSON PLV C&C 15MM 350KPA	P01T122G.GG
9504004	TOMSON PLV C&C 15MM 500KPA	P01T122G.NN



Specifications

Maximum inlet temperature: 80°C
Maximum inlet pressure: 2.000 kPa

Warranty

2 years

Standards

AS1357.2
Lic No. WMKA25646

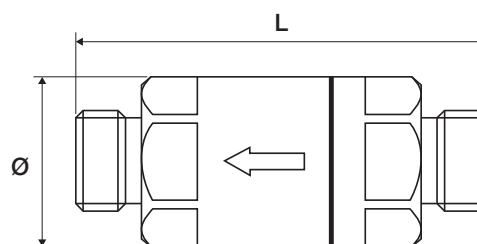
Installation

- 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.

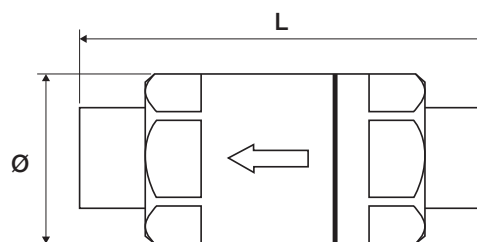
Materials

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



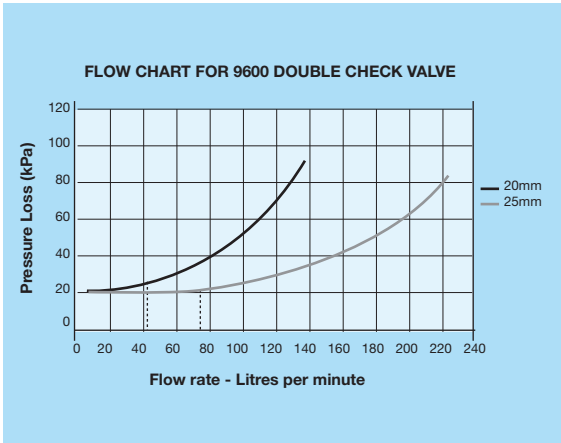
F&F

L	89mm
Ø	35.8mm

Backflow Prevention Valves

COMPACT DOUBLE CHECK VALVE

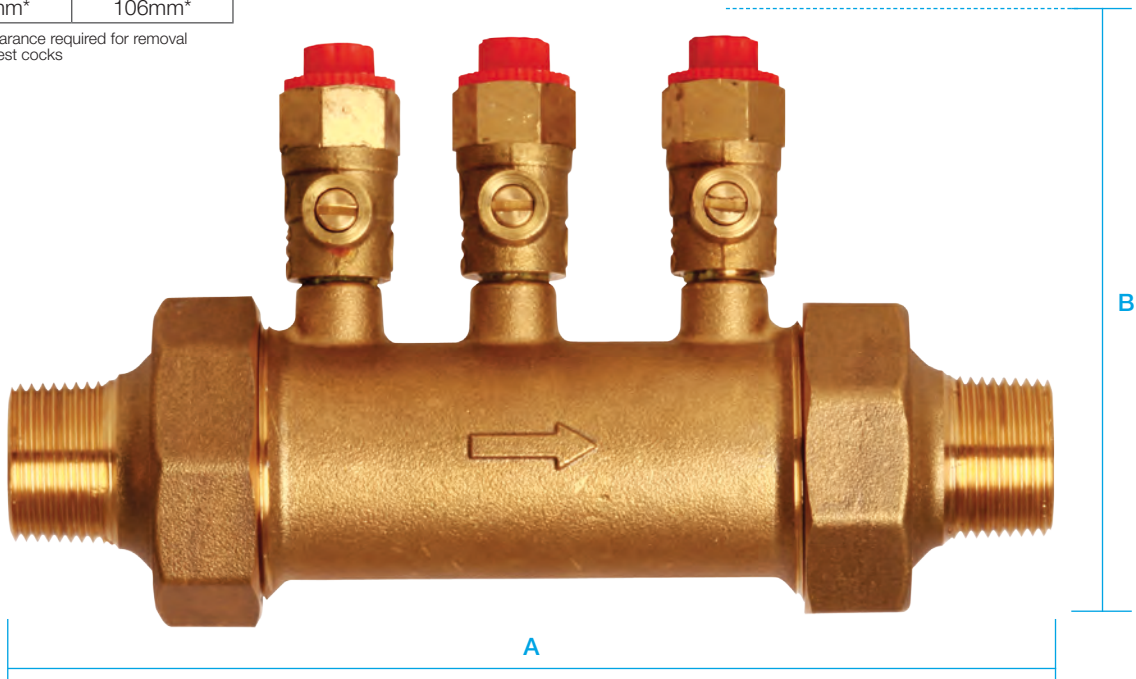
Recommended Use To prevent contamination of water supply in a medium hazard application.



Tomson DCV

	20 MM	25 MM
A	170mm	165mm
B	106mm*	106mm*

*106mm Minimum clearance required for removal and replacement of test cocks



Reece Code & Description	
9502346	TOMSON BACKFLOW COMPACT DCV 20MM
9502347	TOMSON BACKFLOW COMPACT DCV 25MM

Installation Conditions
Maximum Supply Temperature: 90°C
Maximum Inlet Pressure: 1200kPa

Warranty
2 Year

Standards
Standards: AS/NZS 2845.1:1998
Standards Lic. No. WMKA1325

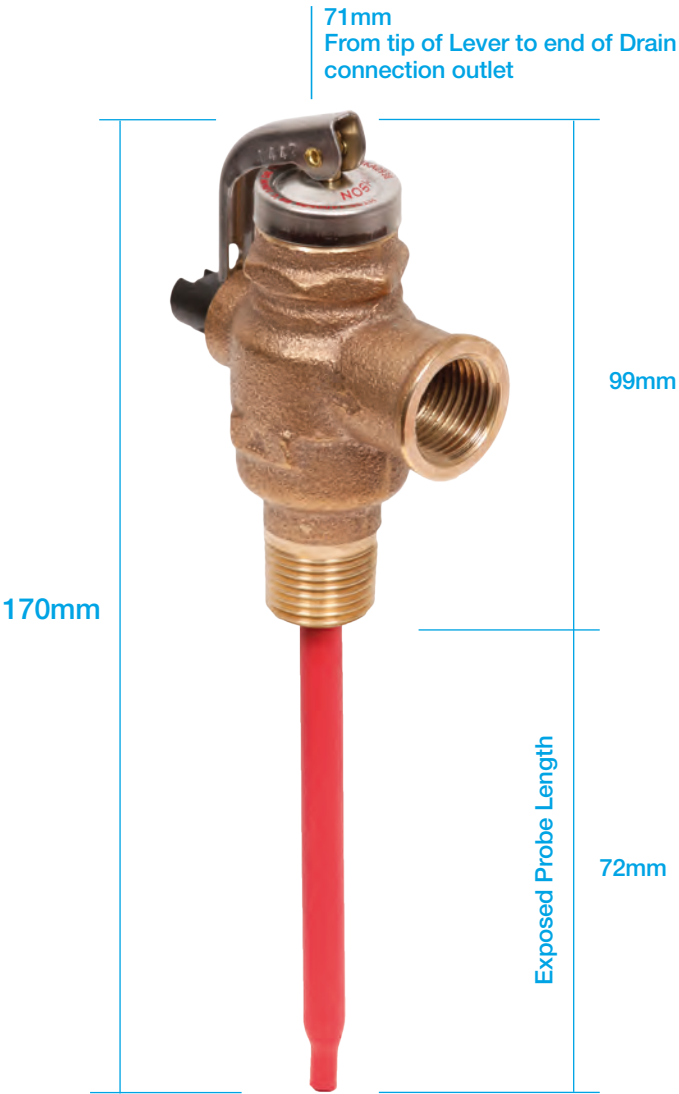
Operating Specifications
Operating Temperature Range 1°C – 90°C
Minimum Pressure Differental 7kPa
(between valve inlet and outlet)

Installation
Must be fitted and installed in accordance with AS/NZS 3500.1.2
Must be installed by a licensed plumber.

Materials
Surface Finish: Unplated
Body and End Connections: Forged DR Brass
Check Valves: Neoperl® Thermoplastic (High Temperature) – (AS 4020 Approved)
Testcocks: (AS 4020/AS2345 Approved)
Internal Spacers: Wrought DR Brass
Seals: Tesnit (AS 4020 Approved)
Retainer: 304 Stainless Steel

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 & 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

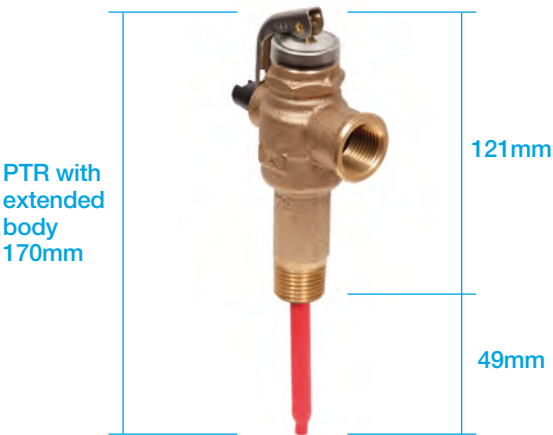
Inlet ½” male
Drain ½” female
Standard pressure settings:
850, 1000, 1400 kPa
Opening temperature not exceeding 99°C
Valve rated:10 kW

Warranty
2 Year

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 & 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, 1200 kPa
Opening temperature not exceeding 99°C
Valve rated: 20 kW

Warranty
2 Year

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



Notes:

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TOMSON™

