Cold Water Expansion Valves 20mm

APEX VALVES
A WATTS Brand

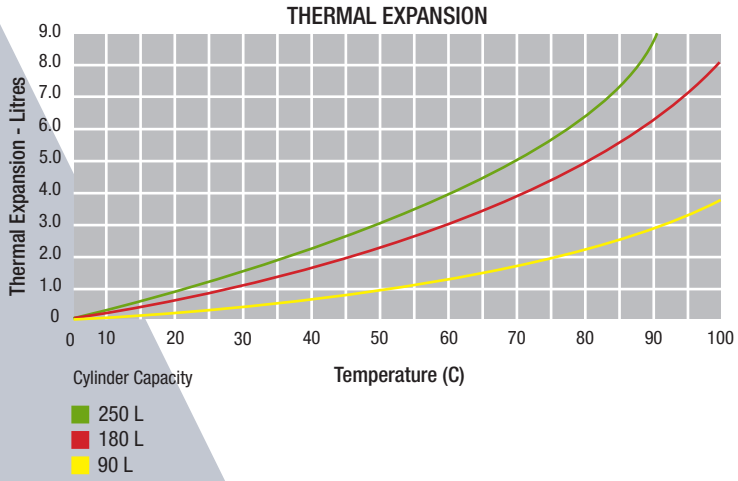
APPLICATION
Low, medium, and high (mains) pressure hot water systems

FEATURES/BENEFITS
- Energy saving valve - relieves cold water rather than hot, saving electricity
- Flushing lever/handle to clear foreign matter from valve seat, can also be used as cylinder drain
- High temperature diaphragm and non-corrosive valve seat materials mean long life - no heat loop required
- Failsafe against cylinder over pressure
- Special factory settings between 75 and 750 kPa available on request
- Forged, high quality, corrosion resistant DR brass body
- Machined, assembled, and 100% tested in NZ

SPECIFICATIONS
- Inlet/Outlet/Takeoff: 20mm, ¾" BSP (male)
- Drain: 15mm, ½" BSP (male)
- Lengths: EVT Low Pressure: 62mm
  EVT High Pressure: 70mm
- Pressure settings: 75, 120, 500 and 700 kPa
- Maximum temperature: 99°C
- Kilowatt rating: 20kW

INSTALLATION
- Refer page 31 for installation guide
- If 1.0 metre min head can't be achieved between EVT and RV use EVT underbench model
- May be installed in any orientation provided drain falls continuously to outlet
- Pressure Limiting or Pressure Reducing valve must be fitted
- The cartridge is NOT replaceable and should NOT be removed

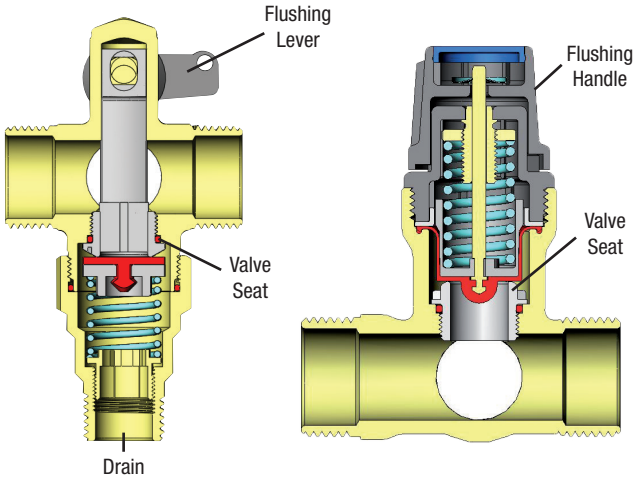
THERMAL EXPANSION
Under normal conditions, a 180 litre hot water cylinder when heated from cold to 65°C will expel 3.6 litres (12.6 metres of 20mm copper pipe) of water due to thermal expansion. The amount of expansion will vary depending on the volume of hot water used and cylinder capacity.



NOTE: All installations must comply with NZBC Clause G12

EVT
Low Pressure

EVT
High
Pressure



STANDARDS
- Complies with NZ Building Code G12 (2014)
- Complies with NZS 4607:1989
- Valve manufactured to NZS 4608:1992

INCLUDED
- Non-return (mains pressure only): To prevent cross-connection of hot water to cold water supply.
- Cap: Should second take off not be required.

PRODUCT CODES

Low Pressure

EVT7.6	75 kPa	(Use with FV 7.6)
EVT12.2	120 kPa	(Use with FV 12.2)

High Pressure

EVT500	500 kPa	(Use with 350 kPa Limiting Valve)
EVT700	700 kPa	(Use with 500 kPa Limiting Valve)