

High Temperature Solar Automatic Air Eliminator

AEHT-10

HIGH TEMPERATURE SOLAR AUTOMATIC AIR ELIMINATOR

AVG in consultation with the solar industry has developed a high temperature air eliminator valve to handle the extreme conditions of the Australian summer.

Air eliminators are usually fitted at the highest point of the flow and return plumbing installation to remove any air from the circulating system.

With solar manufacturers in Australia and around the world developing more efficient solar collectors it has become necessary to come up with an air eliminator able to cope with extremely high stagnation temperatures within the solar collector.

When a ground mounted storage hot water cylinder reaches the pre-set thermostat temperature setting the circulating pump is turned off and the water within the solar collector can get extremely hot. This condition is called stagnation and solar collectors can reach temperatures up to 200°C.

NOTE: The AEHT-10 is not a steam relief valve.

These high temperatures have made it difficult to use the standard air eliminators currently on the market because they contain polymer internal components which can melt in this high temperature environment.

AVG has developed the AEHT-10 air eliminator to cope with these high stagnation temperatures. The AEHT-10 has no internal polymer components and is designed to handle temperatures in excess of 200°C.

The AEHT-10 has a stainless steel float and DR brass components to comply with the Australian standards. All the "O" rings and seals used within the AEHT-10 are suitable for high temperatures.

The AEHT-10 is suitable for all plumbing installations where an air eliminator is required to expel air from the piping system.

NOTE: To prevent any water leakage the air vent screw must be closed after the air is expelled.



SPECIFICATIONS

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|-------------------------|------------------------|
| BODY : | CHROME PLATED DR BRASS |
| FLOAT : | STAINLESS STEEL |
| SEALS and " O " RINGS : | HIGH TEMPERATURE VITON |
| INLET : | R 3/8" (BSP tapered) |
| MAX TEMPERATURE : | 230°C |
| MAX PRESSURE : | 1000 kPa |

