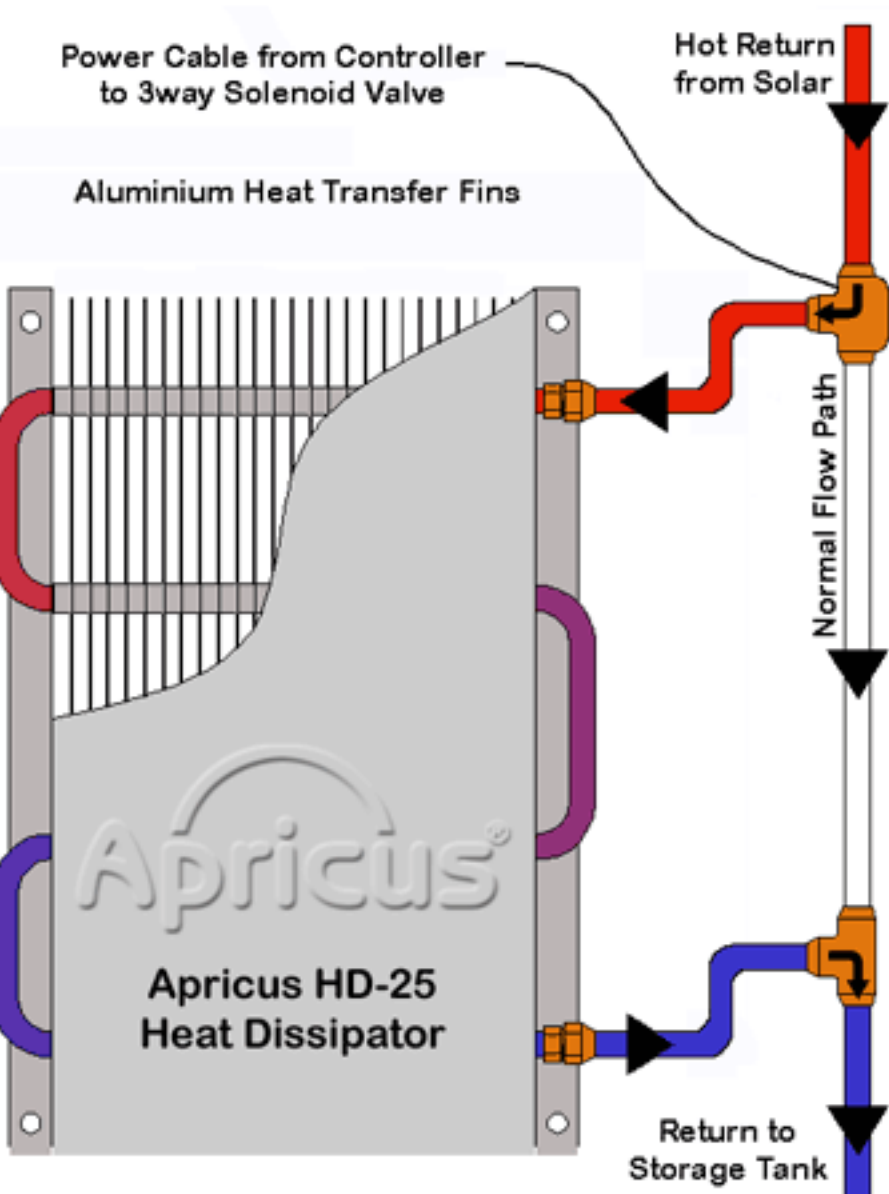


The Apricus heat dissipator (HD) is specifically designed for use with AP solar collector installations that are sized for optimal winter, spring and autumn output. The HD, when used in combination with the Excess Heat function of the Apricus Sentinel-Pro controller and a 3 way solenoid valve, can dissipate the excessive heat produced during summer periods. This protects systems from overheating and/or excessive hot water dumping.



The HD is installed on the return line from the solar collector(s). When the temperature in the storage tank exceeds the pre-set limit (~80oC / 176oF), the controller switches a solenoid which directs the solar return flow through the HD before returning it back into the standard flow line.

As the hot water passes through the HD, heat is dissipated via the aluminium fins to surrounding air, the vertical fin arrangement promoting a passive air current.

One HD-25 unit can dissipate 100% of the heat produced by an AP-30 collector in full sun, during very high ambient temperatures.

The copper pipe to and from the collector should be heavily insulated, as should the lengths of pipe to and from the HD. The solenoid valve prevents flow of collector return water through the HD during normal temperature operation, thus preventing unnecessary heat loss.

**Key Features**

1. >1.3kWh heat dissipation capacity\*
2. Suitable for fresh water or glycol/water systems.
3. Anodized aluminium fins and outer casing for excellent corrosion resistance
4. Silver brazed copper piping with 1/2" BSP inlet and outlet.
5. Easy mounting on exterior wall or in roof space.
6. Able to be connected in series for greater heat dissipation capacity.
7. Minimal pressure drop.
8. May be used as a simple hydronic space heating panel.
9. Neat, attractive design.

\* Based on 80oC / 176oF water temp, 40oC / 104oF ambient, no forced air flow.