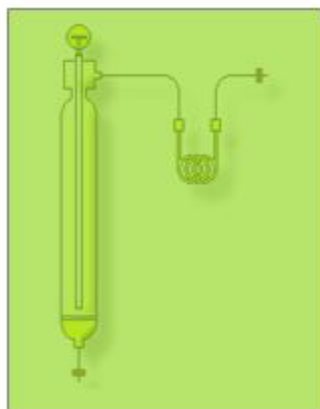


Eclipse 4760 Purge & Trap Sample Concentrator TruColour™ System Status at a Glance

STATE	COLOR
{FW Default}	{off}
Standby	White
Purge Ready	Green
Transfer	Green
Pre Heat	Violet
Pre Purge	Orange
Purge	Orange
Dry Purge	Orange
Purge End (Wait WMF)	Blue
Desorb Ready	Yellow
Desorb PreHeat	Purple
Desorb	Purple
Bake	Red
Depressurize	Blue/Green
Cool Down	Blue/Green

Eclipse 4760 Purge & Trap Sample Concentrator TruColour™ System Status at a Glance

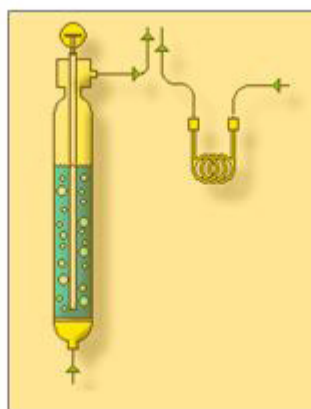
PURGE READY



PURGE READY

(Green): The Eclipse enters this state when all conditions are met to start the next analysis. The instrument sits at **Purge Ready** until a run initiates either by the operator or by an external device. The Eclipse can be configured to stop at **Purge Ready** after each sample run, waiting for the next sample and start command to be received.

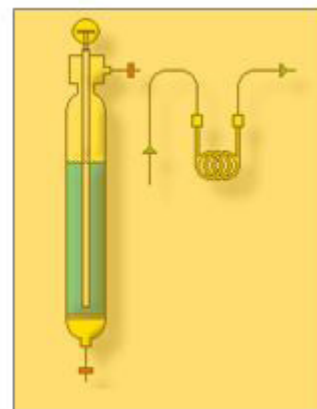
PRE-PURGE



PRE-PURGE

(Orange): The Eclipse normally uses this optional state only for air analysis. Pre-purging an air tube removes oxygen and excess moisture accumulated in the tube during sample collection. Pre-purging a hydrophobic substrate (e.g., Tenax®) reduces the moisture transferred to the trap.

DRY PURGE

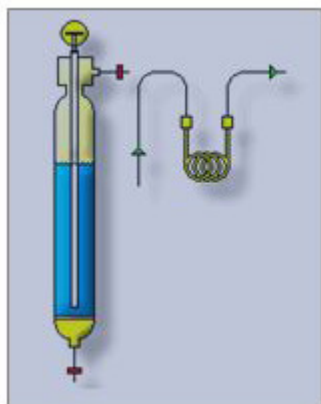


DRY PURGE

(Orange): This optional state removes moisture from the hydrophobic substrates in the trap. During **Dry Purge**, the sample is by-passed and the trap purges with dry purge gas directly. **Dry Purge** is usually not necessary with the Eclipse, which has an effective water management system.

Eclipse 4760 Purge & Trap Sample Concentrator TruColour™ System Status at a Glance

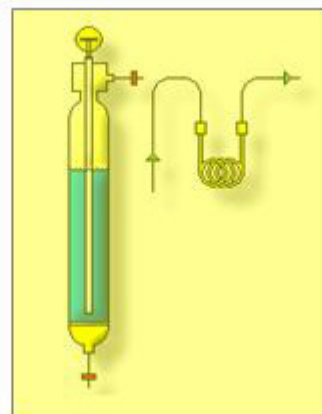
PURGE END



PURGE END

(Blue): This pass-through state indicates the purge state is complete. If the water management system is not ready, the Eclipse remains in **Purge End** until the **Cyclone Water Management™** system reaches the required set point for desorption.

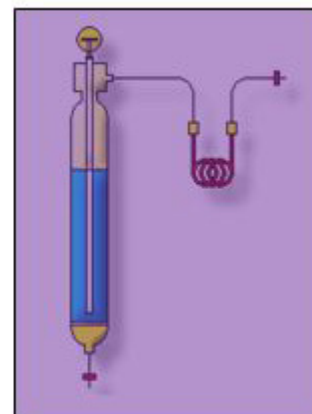
DESORB READY



DESORB READY

(Yellow): After completing all purging and the water management reaches its set point, the Eclipse advances to **Desorb Ready**. While in **Desorb Ready**, the Eclipse checks for ready signals from other components of the system (e.g., GC) before advancing to desorb.

DESORB PREHEAT

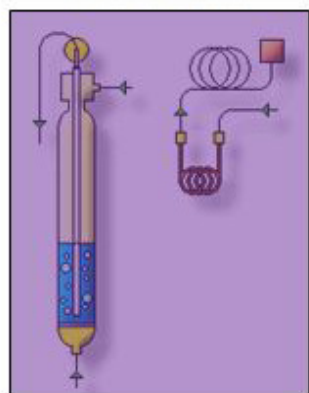


DESORB PREHEAT

(Purple): When **Desorb Preheat** is enabled, the Eclipse heats the trap to a **Desorb Preheat** set point without carrier gas flow (e.g., prior to valve rotation). Use this technique to achieve narrow desorption bandwidth when analyte release from the trap is slow.

Eclipse 4760 Purge & Trap Sample Concentrator TruColour™ System Status at a Glance

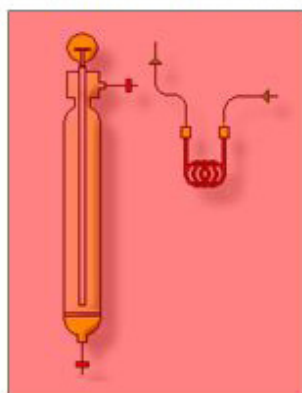
DESORB



DESORB (Purple):

During **Desorb**, the Eclipse's trap heats rapidly to the set temperature, transferring volatile compounds through the Eclipse heated transfer line to the GC injector port. If using a needle sparger (draining is not possible), disable **Drain at Desorb**. Otherwise, an aqueous sample automatically drains during **Desorb** (enable **Drain at Desorb**).

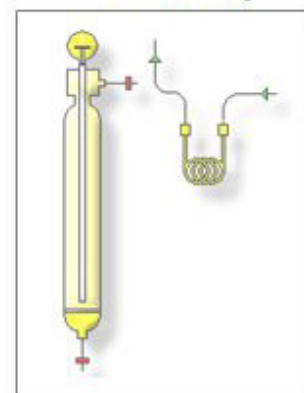
BACKFLUSH BAKE



BACKFLUSH BAKE

(Red): This cleanup state backflushes the trap under heat and reverse flow to remove and vent any components not transferred to the GC column. The water management also heats to remove and vent any compounds. Choose whether to purge or not purge the sample during bake.

STANDBY



STANDBY (White):

The Eclipse remains in this pass-through state until attaining all temperature set points. When all heated zones are ready and the trap cools to the purge temperature set point, the Eclipse advances to purge ready.

STANDBY is one of a few states not indicated on the cycle state indicator on the Status screen and is only seen on the status bar since no parameter entry is possible.