

## ECD sweep gas

The instrument need to supply sweep gas flowing at 5 to 10 mL/min to ECD even while the instrument is turned off or the GC is not energized to stabilize the detector and shorten the time for stabilization after restart.

APC for ECD comes equipped with bypass unit as standard equipment, which can supply sweep gas even while the GC is turned off.

Change or adjust sweep gas flow according to the following procedures.

### 1 Stop GC when the GC operates.

[GC Stop Sequence] Screen

### 2 Press (HOME) - [Detector] - [Submenu] - [Detector Gas Control].

[Detector Gas Control] screen appears.

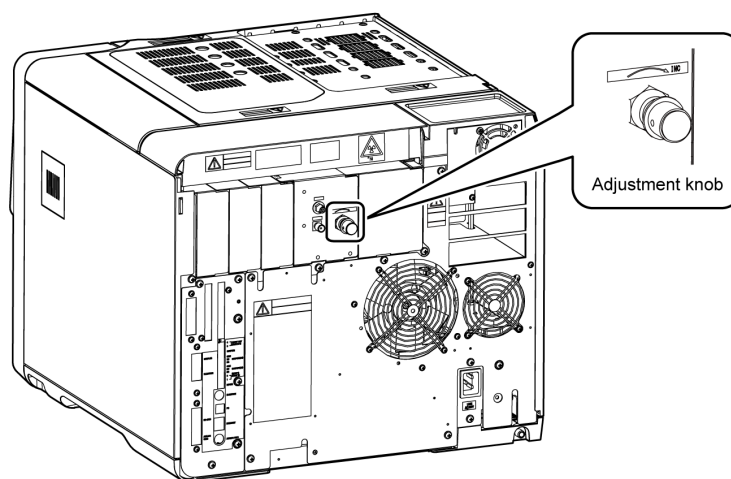
### 3 Set [ECD Gas] at [Off].

### 4 Remove the column connected to ECD and cap the fitting.

### 5 Open main valve of ECD gas cylinder to supply gas.

### 6 Adjust flow by turning the knob of the bypass unit while checking ECD gas flow on [Detector Gas Control] screen.

Set flow at a value sufficiently smaller than ECD gas flow during analysis (5 to 10 mL/min).



## Note

- APC error will occur if you set flow at a value larger than ECD gas flow controlled by APC.
- Stop sweep gas supply before APC calibration. Remove the column, shut off the main valve of the cylinder or turn the knob of the bypass unit to stop sweep gas, and then, perform calibration.
- To stop sweep gas supply, shut off the main valve of the cylinder or attach a stop valve to the supply line from the cylinder and close the valve. To restart sweep gas supply after shutoff, flow sweep gas or ECD gas to replace the air (oxygen) in the detector adequately before using the detector.

**7** Set [ECD Gas] at [On] on [Detector Gas Control] screen.

**Note**

If [ECD Gas] is not set at [On], ECD gas flow does not reach the set flow on the next startup.