The diagrams illustrate the air flow dynamics in ascending and descending UAVs.

(a) Ascending UAV
- Air flow with respect to the inlet
- Inlet flow

(b) Descending UAV
- Air flow with respect to the inlet
- Inlet flow

(c) Ascending UAV with horizontal wind
- Air flow with respect to the inlet
- Inlet flow
- Horizontal wind
- Vertical air flow from UAV ascent speed