Snorkel Exhaust Arm Best Practices

Snorkel Exhaust Arm Controls

Confirm that the exhaust flow is active by either:

- **Listening** for airflow into inlet when you open the lever.
- **Feeling** the air movement by placing your palm over the inlet.
- **Seeing** if a kimwipe flutters inside the snorkel hood attachment.

A. Push the lever fully up to open and maximize exhaust flow.

B. Pull the lever fully down to shut off exhaust flow.

C. Swivel the snorkel exhaust arms or hood attachment as needed.

The controls shown are for the Nederman FX-2 snorkel arms (75-mm or about three-inch diameter typically) and hood attachments. Controls differ for other snorkel manufacturers’ models.
Snorkel Hood Attachment Shapes

**Wedge/“Combi”**: Most versatile

**Straight/“Flange”**: When there is limited space on the benchtop near the source

**Dome (or Cone)**: More suited above heated or high dispersion sources

- Discuss if your work requires a different hood attachment or a snorkel in a different or new location with your [EH&S Lab Safety Advisor (LSA)](mailto:ehs@harvard.edu). EH&S will work with your building manager to implement any necessary changes.

- Transparent hood attachments are typical. Opaque (resistant to corrosive chemicals) hood attachments are shown for greater visibility.
Effective Placement

Effective placement is less than six inches from the emission source.

Resting on benchtop (angled)  Resting on benchtop (on side)  Above (best for heated sources)

Ineffective Placement

Too far away  Not directed towards the emission source