

# Air Distribution Hose Configuration



All Opticlimates come with different size blue flanges.

- 3500pro3 > 250mm
- 6000pro3 > 250mm
- 10000pro3 > 315mm
- 15000pro3 > 355mm/315mm

Air distribution hoses also come in different sizes.

- 160mm
- 200mm
- 250mm
- 315mm

To determine the correct size air distribution hose for each model Opticclimate there are a few things to take into consideration.

When the hose diameter is too small, the Opticclimates airflow is restricted, resulting in bad cooling and the evaporator inside the Opticclimate freezing up (error 10)

When the length of the hose is too short, the airflow is also restricted due to the lag of hoses. This also gives you poor cooling capacity and a frozen evaporator.

To avoid this, always use the correct diameter and length of hose. Never use reducers at the cold air outlet.

To determine the correct size, you need to know what the rated airflow of the hose and the airflow of the Opticclimate.

Airflow Opticclimate;

- 3500pro3 > 700m<sup>3</sup>/hour
- 6000pro3 > 1300m<sup>3</sup>/hour
- 10000pro3 > 1700m<sup>3</sup>/hour
- 15000pro3 > 2500m<sup>3</sup>/hour

Max Airflow Air distribution hose;

- 160mm > 120m<sup>3</sup>/hour/meter
- 200mm > 160m<sup>3</sup>/hour/meter
- 250mm > 200m<sup>3</sup>/hour/meter
- 315mm > 250m<sup>3</sup>/hour/meter

Example;

A 15000pro3 has an airflow of 2500m<sup>3</sup>/hour > it needs 10 meters of 315mm air distribution because 2500 : 250 = 10 meter

Do not reduce the size of the blue flange except for 15000pro (355mm > 315mm)