



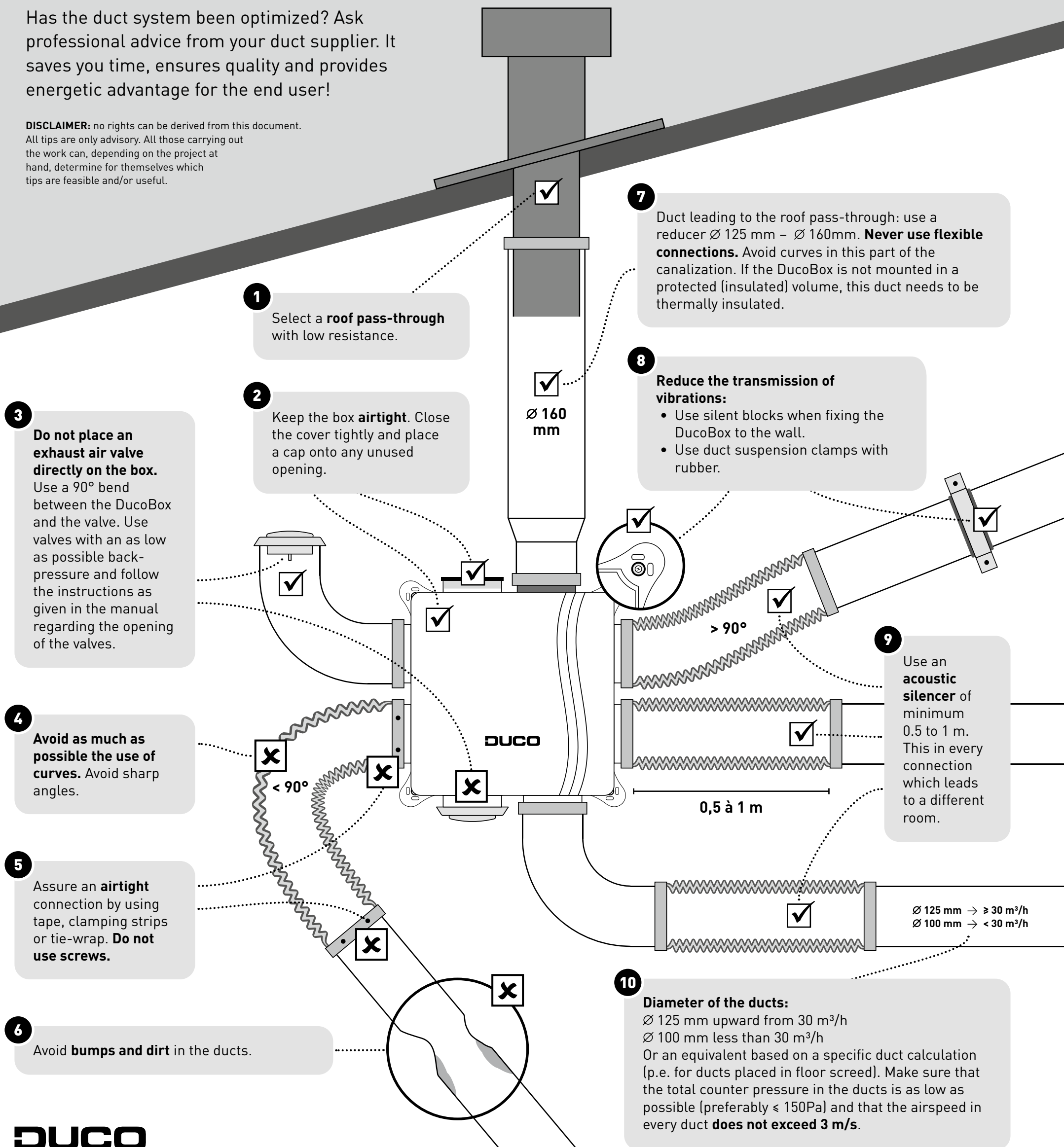
# 10 UNMISSABLE TIPS



The smooth running of your Duco ventilation system is totally dependent on the choice and the quality of implementation of the duct system!

Has the duct system been optimized? Ask professional advice from your duct supplier. It saves you time, ensures quality and provides energetic advantage for the end user!

**DISCLAIMER:** no rights can be derived from this document. All tips are only advisory. All those carrying out the work can, depending on the project at hand, determine for themselves which tips are feasible and/or useful.



**1** Select a **roof pass-through** with low resistance.

**2** Keep the box **airtight**. Close the cover tightly and place a cap onto any unused opening.

**3** **Do not place an exhaust air valve directly on the box.** Use a 90° bend between the DucoBox and the valve. Use valves with an as low as possible back-pressure and follow the instructions as given in the manual regarding the opening of the valves.

**4** **Avoid as much as possible the use of curves.** Avoid sharp angles.

**5** Assure an **airtight** connection by using tape, clamping strips or tie-wrap. **Do not use screws.**

**6** Avoid **bumps and dirt** in the ducts.

**7** Duct leading to the roof pass-through: use a reducer Ø 125 mm – Ø 160mm. **Never use flexible connections.** Avoid curves in this part of the canalization. If the DucoBox is not mounted in a protected (insulated) volume, this duct needs to be thermally insulated.

**8** **Reduce the transmission of vibrations:**

- Use silent blocks when fixing the DucoBox to the wall.
- Use duct suspension clamps with rubber.

**9** Use an **acoustic silencer** of minimum 0.5 to 1 m. This in every connection which leads to a different room.

**10** **Diameter of the ducts:**

- Ø 125 mm upward from 30 m³/h
- Ø 100 mm less than 30 m³/h

Or an equivalent based on a specific duct calculation (p.e. for ducts placed in floor screed). Make sure that the total counter pressure in the ducts is as low as possible (preferably ≤ 150Pa) and that the airspeed in every duct **does not exceed 3 m/s.**