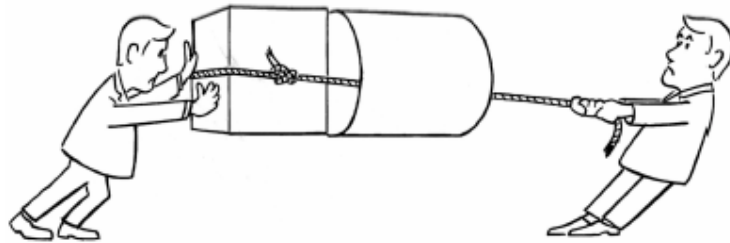


Pressure development

Air needs to be pushed or pulled to move it from one point to another. When moving any object, force is required to overcome the resistance to movement.

Moving air through ducts or tubes requires force to overcome the resistance to flow through the duct or tube. The resistance to flow is due to the viscosity (stickiness) of the air and friction of each air molecule passing over one another.



The force to push or pull the air is called pressure. The units of measure for pressure are:

Pa Pascalls
in w.g. Inches water gauge
mbar Millibar

A fan generates pressure.

Defining pressure development

Determining the pressure development of a fan can only be accurately measure on an airflow test rig.



Airflow test rig built to BS848 part 1 / ISO5801:1997.