

# Burst L paper module

## Valmet Paper Lab

Paper bursting strength test is an essential quality control measurement used in the paper industry to determine the durability and strength of kraft papers and light paperboard products. This test measures the maximum pressure that a paper sample can withstand before it bursts.

The Burst module clamps the sample between measuring head and lower module, and pressure is generated in a chamber under the sample. A rubber diaphragm on top of the module expands and stretches the sample until bursting. Pressure at the moment of bursting is measured and the result is reported in kilopascals (kPa).

Results from the module: standard bursting strength, bursting strength adjusted to compensate for the stiffness of the diaphragm, burst index and burst energy absorption BEA ( $J/m^2$ ).

Measurement according to standards ISO 2758, TAPPI T403, JIS P8112.



### Benefits for the papermaker

Fast measurement of paper strength

Very wide measurement range

Can be installed to measure either top or bottom side of sample

Paper Burst with corresponding standard and range

### Technical data

Size (cells)	1
Weight	upper module 3.9 kg (8.6 lbs) lower module 3.1 kg (6.8 lbs)
Measuring range	
- Burst [kPa]	40–2000
- Burst [psi]	6–290

