

## TruBurst – Diaphragm Correction

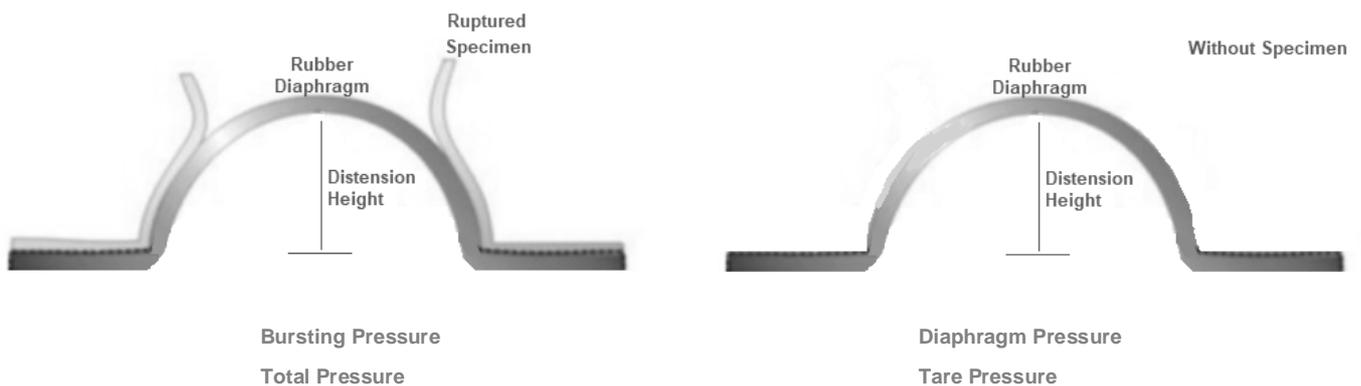
When we carry out the bursting test, the bursting pressure achieved is the pressure required to burst the specimen and inflate the rubber diaphragm.

Diaphragm Correction is carried out to remove the pressure required to inflate the rubber diaphragm and provide the pressure required to burst the specimen only.

Because the stretch properties of the rubber diaphragm change over time then we perform Diaphragm Correction after each test.

EN ISO 13938-2 and ASTM D3786 use different terminology but the meaning and principle are the same.

- ISO            Bursting Strength = Bursting Pressure – Diaphragm Pressure
- ASTM        Bursting Strength = Total Pressure – Tare Pressure



Diaphragm Correction - distend the diaphragm without the presence of a test specimen by an amount equal to the mean height at burst of the test specimens. Note the pressure at this distension of the diaphragm as the "diaphragm pressure".

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