

FX 3300-PNx Pneumatic Clamping Assembly



SCOPE

By means of the Pneumatic Clamping Assembly the sample clamping force of the TEXTEST FX 3300 Air Permeability Tester III can massively be increased. The increased clamping force effectively reduces the lateral air flow of thick test specimens, multi-layer test specimens and test specimens with a rough surface. Two versions of the device are available:

- Model FX 3300-PNA for retroactive fitting to an existing FX 3300 Air Permeability Tester III. Mounting is quick and easy and can be done by the customer.

- Model FX 3300-PNM for permanent mounting in a new, yet undelivered, FX 3300 Air Permeability Tester III. This version should be considered only when the instrument is *always* to be operated with the Pneumatic Clamping Assembly instead of the standard mechanical clamping arm.

Both models require an external compressed air supply.

When using the Pneumatic Clamping Assembly the width of non-flexible test specimens is limited.

FUNCTION

A pneumatic cylinder pushes the upper clamping ring of the test head against the lower part of the test head. The clamping force is determined by the external air supply. The high clamping force seals off the edges of the test specimen, thus significantly

reducing the lateral air flow. A test is started by simultaneously pressing *two* push buttons, which are located on either side of the Pneumatic Clamping Assembly. This keeps the hands of the operator out of danger.

TECHNICAL SPECIFICATIONS

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| • Test area: | 20 or 38 cm ² , depending on the test head used |
| • Clamping force: | 1,500 N through 4,000 N, depending on air supply |
| • Compressed air supply: | 3 through 8 bar (44 through 116 psi) |
| • Maximum sample thickness: | 35 mm (1.4") |
| • Maximum sample width: | 270 mm (10.6") (wider if sample is flexible) |
| • Electrical supply: | provided by the FX 3300 Air Permeability Tester III |
| • Dimensions (w x d x h): | 30 x 23 x 33 cm |
| • Net/gross weight: | 9 / 11 kgs. |

ACCESSORIES

Instead of the standard test head FX 3300-20 or FX 3300-38, respectively the Pneumatic Clamping Assembly requires a special test head:

FX 3300-A20 Test head 20 cm² for FX 3300-PNA

For measurements in compliance with AFNOR G 07-111, DIN 53,887, EDANA 140.1 and EN ISO 9,237.

FX 3300-A38 Test head 38 cm² for FX 3300-PNA

For measurements in compliance with ASTM D 737, JIS L 1,096-A and TAPPI T251.

FX 3300-M20 Test head 20 cm² for FX 3300-PNM

For measurements in compliance with AFNOR G 07-111, DIN 53,887, EDANA 140.1 and EN ISO 9,237.

FX 3300-M38 Test head 38 cm² for FX 3300-PNM

For measurements in compliance with ASTM D 737, JIS L 1,096-A and TAPPI T251.