Maximize Top-load performance quickly and accurately!

The performance of a container in production and transit is critical to the manufacturer. Product failures during filling, packing, warehousing and shipping are costly and can easily be prevented when containers and finished goods are tested for top-load strength.

Top-load strength is an excellent method to optimize the necessary force required to produce deformation and failure of bottles and containers. Top load strength can also identify thinned areas in the wall of the bottle resulting in poor wall-thickness distribution.

Model 17-77 Compression Tester meets International Standards and Corporate testing methods for compression strength requirements for a variety of materials and products. A new enhanced microprocessor design with servo motor provides precision force and position control for repeatable instrument performance.

FEATURES
- Maximum Capacity 2000 LB (8896 N)
- Selection of load cell ranges to Maximum Capacity
- Platen size 13 x 13 in (330 x 330 mm)
- Adjustable pre-load before start of measurement
- Variable pre-test speed to pre-load
- Variable test speed
- Auto return to pre-set start distance
- Automatic fast return platen saves testing time
- Pre-set keys for storing up to 6 test methods
- Multi-language programmed- 7 languages
- Measuring units: N, N/m², lb, lb/in², kg, or kg/m²
- RS232C serial data output
- Built-in Printer
- Compatible with GraphMaster™ software

APPLICATIONS
Beverage, Cosmetics, Pharmaceuticals, Blow molded containers for beverage and household use, PET bottles, Tubes and Cores, Corrugated Boxes, Stacking strength of cases

OPTIONAL OPENINGS
16 and 24 inch

STANDARDS
- ASTM D 2659
- ASTM D2412
- DIN 55440-1:99

Column Crush Properties of Blown Thermoplastic Containers
Load Deflection of Pipe
Packaging test; compression test
Top Load Compression Tester

Model 17-77

SPECIFICATIONS

Model 17-77-00

Ranges
Measuring range 0 – 2000 lb (0- 8896 Newton)
Load Cells 0-1000 lb., 0-2000 lb. (2225 N, 4450 N, 8896 N)
Accuracy ± .5 % of reading
Stroke length 16 in (406 mm) or 24 in (609 mm)
Measuring units N, N/m², lb, lb/in², kg or kg/m²

Speed
Test Speed 0.02 - 20 in/min (0.508 -508 mm/min)
Return Speed 10 in/min (254 mm/min)

Platen Size
Upper platen 13 x 13 in (330 x 330 mm) with 16 in (406 mm) opening
Lower platen 13 x 13 in (330 x 330 mm)

Statistics Display
- Number of tests
- Highest value
- Lowest value
- Average
- Standard deviation
- Variation coefficient
- Max. number of tests : 100 (in one test series)

Machine Requirements

Power 120V/220Volt, 50Hz/60Hz
Safety Features Overload protection based on load cell in use
Connections RS232C output, Built-in Printer
Internal languages English, Dutch, German, French, Spanish, Finnish, Italian (special languages on request)

<table>
<thead>
<tr>
<th>Model #</th>
<th>Dimensions (DxWxH)</th>
<th>Weight</th>
<th>Daylight Opening</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>17-77-00-0001</td>
<td>22D x 22W x 36H (in.) 56D x 56W x 92H (cm)</td>
<td>345 lb. (157kg)</td>
<td>16 in. 40.6cm</td>
<td>0-1000 lbs.</td>
</tr>
<tr>
<td>17-77-00-0002</td>
<td>22D x 22W x 42H (in.) 56D x 56W x 107H (cm)</td>
<td>345 lb. (157kg)</td>
<td>24 in. 61 cm</td>
<td>0-1000 lbs.</td>
</tr>
<tr>
<td>17-77-00-0003</td>
<td>22D x 22W x 36H (in.) 56D x 56W x 92H (cm)</td>
<td>345 lb. (157kg)</td>
<td>16 in. 40.6cm</td>
<td>0-2000 lbs.</td>
</tr>
<tr>
<td>17-77-00-0004</td>
<td>22D x 22W x 42H (in.) 56D x 56W x 107H (cm)</td>
<td>345 lb. (157kg)</td>
<td>24 in. 61 cm</td>
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