

Burst Tester for Packages

PBT-15A



Pack Burst Tester is used to test seal strength / seal integrity of Pouches / Cups / Tubes / Blister Packs / Trays.

Perfect for testing Breathable Membrane Pouches (TYVEC® Pouches) and Aluminum Suture Pouches.

Principle of Operation :

Air is injected into the package and internally pressurized at a constantly increasing rate until the sample bursts. The max burst pressure is displayed. This is considered as a 360° Seal Strength / Seal Integrity Test. Additionally, you can identify the weakest point of your package as it will fail first.

Technical Specifications :

- Digital Model with Backlit LCD Display
- Electro-Pneumatic, Table Top Model
- With optional printer port to print test data on a 3 inch printer.
or software to capture test data on to the PC directly and generate PDF test & calibration reports.
- **Auto-Calibration facility for user-friendly calibration.**
- Choice of Measurement units, selectable from Menu.

	bar	mbar	kPa	psi
Capacity :	5	5000	500	72.5
Resolution :	0.0005	0.5	0.05	0.007
Working Range :	0.1 – 4.000	100 – 4000	10 – 400	1.45 – 58.0

DQ/IQ/OQ Documentation are supplied with pharma-specific models.

Included with all models / SKUs :

- 1) 3 mtr long, 6mm PU tube to connect your compressed air supply to the Air Filter.
- 2) 2 mtr long, 6mm PU tube to connect Air Filter to Equipment
- 3) 2 mtr long, 6mm PU tube to connect Equipment to the Test Fixture.
- 4) Double Stage Air Filter (Do not use equipment without this Double Stage Air Filter).
- 5) Power Cable

Excludes :

- 1) Testing Fixtures (to be ordered separately)
- 2) Printer and Keyboard (for Models which support printer port).
Note : Serial (RS232) Port Dot Matrix Printer and PS/2 Keyboard is required.
Suggest Printer Model : Epson TMU 220 (Serial) and Logitech K100 (PS/2)
- 3) Desktop / Laptop PC (for Models which support PC connectivity via software).
Note : RS-232 Data Cable with USB-Serial Converter are supplied with all models / SKUs with software.

Data Output / Software Options :

- 1) No Software. Only Display.
- 2) Printer Port Output.
- 3) Regular Software (Not 21-CFR-11 Compliant).
- 4) 21-CFR-11 Compliant Software (*Vantage*).



Warranty : 12 Months (Ex-Factory)

Utilities Required :

1. Power Supply (Current : Max 5 Amps) :
 - A. For India (Domestic Model) : 230 Volts A.C., 50 Hz. Clean power.
 - B. For Outside India (Export Model) : As per your country's power rating.
2. Compressed Air @ 6 bar (87 psi)

For models with software

3. Desktop / Laptop PC (Intel Core i3, 4gb RAM, Win10 OS, 1080p Monitor) or higher.

For models with printer port

4. Serial Dot Matrix Printer (Epson TMU220 is recommended. Others may not work).
5. PS/2 Keyboard (Logitech K100 is recommended. Any PS/2 keyboard will work).


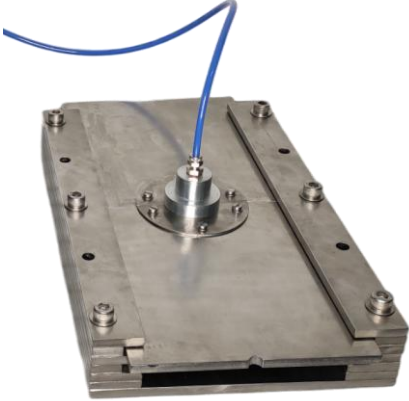
How to Order?

Step 1 : Select Part Number / Equipment SKU


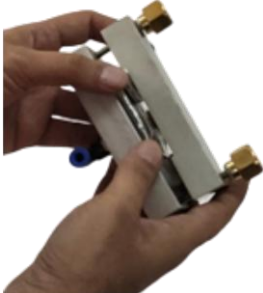
Region	Industry	-	Equipment	-	Series	-	Output / Software
D	N		PBT		15A		NS
E	P						PS
							PD
							RS
							CS

	Options	Description
Type	D	Domestic Model For Sale in India only. Warranty / Support valid only in India
	E	Export Model for Sale outside India only. Comes with a set of emergency spares. International Quality / Warranty / Support.
Industry	N	For Food / Beverage / FMCG Industry. Non-Pharma.
	P	For use in Pharmaceutical Industry. DQ/IQ/OQ documents are provided with machine.
Equipment - Series	PBT - 15A	Pack Burst Tester – Series 15A
Output / Software	NS	Only Display. No Output. No Software.
	PS	Printer Port Output. No Date – Time Stamp.
	PD	Printer Port Output. With RTC (Real Time Clock) for Date/Time Stamp.
	RS	Regular software. (Not 21-CFR-11 compliant) RS-232 Data Cable with USB-Serial Converter is provided.
	CS	21-CFR-11 compliant software. (<i>Vantage</i>). RS-232 Data Cable with USB-Serial Converter is provided.

Step 2 : Select Test Fixture (one or more from below)

Sr.	Probe / Fixture Type	Photo	Suitable for														
1.	<p>Adjustable Height Test Stand SKU : TF-PBT-AHTS</p> <p>Operation : Rotate handwheel to adjust height of probe. Once height is adjusted, operation of equipment is hands-free.</p> <p>Includes :</p> <ul style="list-style-type: none"> - Hole Punch x 1 - Septum Stickers (100 nos, for 100 tests) 		<p>Low - Medium Burst Packages (Unrestrained) :</p> <ul style="list-style-type: none"> - Pouches - Cups - Trays - Tubes <p>Testing as per ASTM F1140 / F2095</p> <p>Can be used on Empty Packages or Filled Packages (using optional Inline Air Filter) See 1A below for options.</p>														
2.	<p>Restraining Plate Fixture.</p> <p>MOC : Stainless Steel.</p> <p>Includes :</p> <ul style="list-style-type: none"> - Test Probe - Double Sided Adhesive Tape (2 rolls) - Single Hole Punch 	 <table border="1" data-bbox="555 1361 1066 1641"> <thead> <tr> <th data-bbox="555 1361 743 1397">SKU :</th> <th data-bbox="743 1361 1066 1397">Max Pouch Size</th> </tr> </thead> <tbody> <tr> <td data-bbox="555 1397 743 1435">RP0810SS</td> <td data-bbox="743 1397 1066 1435">8x10 Inches</td> </tr> <tr> <td data-bbox="555 1435 743 1473">RP1012SS</td> <td data-bbox="743 1435 1066 1473">10x12 Inches</td> </tr> <tr> <td data-bbox="555 1473 743 1512">RP1218SS</td> <td data-bbox="743 1473 1066 1512">12x18 Inches</td> </tr> <tr> <td data-bbox="555 1512 743 1550">RP2024SS</td> <td data-bbox="743 1512 1066 1550">20x24 Inches</td> </tr> <tr> <td data-bbox="555 1550 743 1588">RP2430SS</td> <td data-bbox="743 1550 1066 1588">24x30 Inches</td> </tr> <tr> <td data-bbox="555 1588 743 1641">RPCUSTSS</td> <td data-bbox="743 1588 1066 1641">Custom Size Available</td> </tr> </tbody> </table>	SKU :	Max Pouch Size	RP0810SS	8x10 Inches	RP1012SS	10x12 Inches	RP1218SS	12x18 Inches	RP2024SS	20x24 Inches	RP2430SS	24x30 Inches	RPCUSTSS	Custom Size Available	<p>Medium / High Burst Pouches. Or Pouches that exhibit elongation / stretch during testing.</p> <p>Testing as per ASTM F2054</p> <p>Can be used on Empty Pouches Only</p>
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<p>3.</p>	<p>Test Stand For Screw On Tubes SKU : TF-PBT-SCTS</p>		<p>Can be used on Filled or Empty tubes with Screw On Caps only.</p> <p>Supplied with upto 5 cap adapter as per Tube + Cap samples provided by you.</p> <p>You will have to send us 5 samples of each type of tube + cap combination you wish to test.</p> <p>The cap will be removed and embedded in the cap adapter for a perfect fit to the tube.</p>
<p>4.</p>	<p>Test Stand For Snap On Tubes SKU : TF-PBT-SNTS</p>		<p>Can be used on Empty tubes with Snap On Caps only.</p> <p>You will have to send us 5 samples of each type of tube + cap combination you wish to test.</p> <p>An economy option (without test stand) is available as a Test Fixture (see item 4A).</p>
<p>4A</p>	<p>Test Fixture For Snap On Tubes SKU : TF-PBT-SNTF</p>	 <p>Snap Cap Trimmed Cap</p>	<p>This is an Economical Option to be used in-lieu of the above test stand.</p> <p>For Snap On Caps only. Manual Sample Clamping.</p> <p>Note : Caps will need to be trimmed before testing.</p> <p>Optional : Cap Trimming Device is also available with us. SKU : TF-PBT-CT1</p>

5.	Test Stand For Open Tubes SKU : TF-PBT-OTTS		<p>Can be used on Unsealed, Open End, Empty Tubes with either Screw On or Snap On Caps.</p> <p>Supplied with 1 tube adapter (Lower Plunger + Top Plate) as per sample provided by you.</p> <p>If you have multiple sizes (ID) of tubes, you will have to order multiple test adopters (SKU : TF-PBT-OTTS-TF)</p> <p>You will have to send us 5 samples of each size (ID) of tube you wish to test.</p>
6.	Special Fixtures SKU : TF-PBT-CF		<p>For Special Packages that cannot be tested with any of the above test fixtures.</p>

Step # 3 : Select extra consumables. (for Adjustable Height Test Stand only)

Item/Qty	5 nos	10 nos	100 nos	200 nos	500 nos	1000 nos
Hole Punch	✓	✓				
Septum Stickers			✓	✓	✓	✓

Note : Septum Stickers are available in Die-Cut form in packs of 100/200/500/1000 pcs and also in roll form (25mm wide x approx 10 mtr long). Each roll = approx 400 septums. Rolls are cheaper than die-cut septums.

Examples and comparison of Part Code / SKU

Industry Type	Part Code / SKU	Output / Software				
		No Output / No Software	Printer Port	Printer Port with Date / Time Stamp.	Regular Software	21-CFR-11 Compliant Software
Domestic Models (for Sale in INDIA only)						
Food / FMCG	DN-PBT-15A-NS	✓				
	DN-PBT-15A-PS		✓			
	DN-PBT-15A-PD			✓		
	DN-PBT-15A-RS				✓	
Pharmaceutical	DP-PBT-15A-NS	✓				
	DP-PBT-15A-PS		✓			
	DP-PBT-15A-PD			✓		
	DP-PBT-15A-RS				✓	
	DP-PBT-15A-CS					✓
Export Models (for Sale outside INDIA only)						
Food / FMCG	EN-PBT-15A-NS	✓				
	EN-PBT-15A-PS		✓			
	EN-PBT-15A-PD			✓		
	EN-PBT-15A-RS				✓	
Pharmaceutical	EP-PBT-15A-NS	✓				
	EP-PBT-15A-PS		✓			
	EP-PBT-15A-PD			✓		
	EP-PBT-15A-RS				✓	
	EP-PBT-15A-CS					✓