

technical data

AIR REQUIREMENTS

Where the standard stipulates air injection, Impulse requires a pressure of 2-8 bar. The pneumatic connection to the machine is 6 mm diameter. An adaptor is supplied to convert 6 mm to 1/4 inch BSP.

The air supply should be capable of delivering the following quantities of air:-

1 IMPULSE = 30 litres/minute (1 cubic foot/minute) 3 IMPULSES = 90 litres/minute (3 cubic foot/minute)

2 IMPULSES = 60 litres/minute (2 cubic foot/minute) 4 IMPULSES = 120 litres/minute (4 cubic foot/minute)

A maximum of 4 IMPULSES can be linked together using common air and electrical supplies.

PHYSICAL DATA	Width 360 mm Depth 520 mm Height 320 mm Weight 22 kg		
POWER SUPPLY	115/230V 50/60Hz	POWER RATING	115W
STANDARDS	ASTM D3512, NF G07-121, NF G07-132, DIN 53867, ISO 12945-3(draft)		

IMPULSE – RANDOM TUMBLE PILLING TESTER...

How to Order

906-501	IMPULSE – MODEL 616	230V/110V (Switchable voltage, frequency independent)
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STANDARD ACCESSORIES

794-650	American Impeller ASTM D3512	327-256	Pneumatic Pipe (for multiple units)
142-314	Mains Lead	785-112	Bottle (60 ml) Specimen Edge Glue
785-509	Pack (approx. 1m) Grey Cotton Sliver	789-368	Spatula
393-527	Pack (50) Cork Liners	794-819	Pneumatic Adaptor 6mm diameter to 1/4 inch BSP
195-324	Mains Lead (for multiple units)		

OPTIONAL ACCESSORIES

794-650	Spare American Impeller ASTM D3512 and ISO 12945-3(draft)	770-843	Tachometer Model PH-200L
794-651	German Impeller DIN-53867 and ISO 12945-3(draft)	766-450	ASTM Photographic Standards ASTM D3512 consists of 5 photographs, 105 mm square, graded no.1 (very severe pilling) to no. 5 (no pilling)
794-652	French Impeller NF G07-121	201-616	ISO Certificate of Calibration for Impulse
794-653	Vacuum Cleaner/Blow Gun – Air Operated	201-805	ISO Certificate of Calibration for Tachometer PH-200L
758-566	Neoprene Liner – per pack (5) NF G07-121 and ISO 12945-3(draft)	202-616	UKAS Certificate of Calibration for Impulse
772-115	Cutting Template 100 mm x 100 mm NF G07-121	202-230/100	UKAS Certificate of Calibration for Sample Cutter
772-116	Cutting Template 105 mm x 105 mm ASTM D3512 and DIN 53867 and ISO 12945-3(draft)	203-526	Certificate of Conformity for Cork Liner
902-220	Sample Cutter Model 230/100 NF G07-121 and ISO 12945-3(draft)	203-527	Certificate of Conformity for Neoprene Liner

CONSUMABLES	RECOMMENDED SPARES (EXCLUDING CONSUMABLES) FOR 2 YEARS OPERATION
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393-526	Cork Liner – per pack (50)	130-856	400 mA Quick Blow Fuse (2 recommended)
785-509	Grey Cotton Sliver – per pack (approx. 1 m)	130-820	5A Antisurge Fuse (2 recommended)
794-654	Specimen Edge Glue – per pack (10 bottles - each 60 ml)	160-361	Mains Input Switch
758-566	Neoprene Liner – per pack (5)	390-212	Valve Sub Plate
		390-213	N/Close Valve
		324-577	Bulkhead Fitting 6 mm
		324-578	Self Seal Bulkhead Fitting 6 mm

AGENT

We reserve the right to alter the specification or modify the appearance without notice.



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Impulse

RANDOM TUMBLE PILLING TESTER



Impulse

RANDOM TUMBLE PILLING TESTER

The World's Premier Textile Testing Equipment Company James H. Heal conclude their Pilling trilogy with the launch of Impulse, a Random Tumble Pilling Tester designed to comply with Part 3 of ISO 12945 (draft). Incorporating the requirements of ASTM D3512, Part 3 of ISO 12945 (draft) follows the Pilling Box and Modified Martindale Method. HEALS now can offer a complete suite of instruments for laboratory testing of Pilling Propensity as is likely to occur in end-use wear.



MODULAR DESIGN:

Designed as a self-contained, single-chamber unit, Impulse offers the ultimate flexibility of operation and control. For convenience up to four units can be linked together to present a single power and compressed air input.



INTERCHANGEABLE IMPELLER:

The instrument incorporates an easily interchangeable Impeller to benefit laboratories where different standards and therefore different impellers are used.



INDEPENDENT DRIVE:

Each unit operates completely independent enabling one unit to be prepared for the next test without the need to interrupt the others. This minimises down time and maximises efficiency.

INTELLIGENT USER INTERFACE:

In addition to current test status, the LCD screen also guides the operator – in one of 5 languages – through each stage of the test procedure.

ILLUMINATED TEST CHAMBER:

The test chamber can be illuminated with the latest, semi-conductor white-light technology with exceptionally long lifespan and no heat transfer.

AUDIBLE ALARM:

The end of the test cycle can be signalled with an audible alarm, this feature can be disabled at the user's preference.

INTRINSICALLY SAFE:

The chamber door is fully interlocked with both air injection and the impeller rotation to avoid any risk of operator injury and to minimise the disturbance of chamber debris.

