

Automated Thermal Sealer

For 96 and 384 format microplates and blocks.



The X-seal Automated Thermal Sealer is a fast, compact thermal sealer for reliable sealing of 96 and 384-well plates and blocks. Can be used as a stand-alone benchtop unit or integrate into larger robotic systems.



Space saving.

Small footprint and compact design saves precious laboratory space.

Fast and flexible.

Plates of differing heights can be sealed without the need for adaptors. The X-seal Automated Thermal Sealer will seal up to 10 plates per minute.

Seal time and temperature are specified using the control box included so that an even seal is achieved with differing seal and plate types. A footswitch enables hands-free operation.

The RS232 port and ASCII programming parameters allow the X-seal Automated Thermal Sealer to be easily integrated into automated systems.

Safe.

Sealing and cutting is only performed once the external door is securely closed. Sensors detect the seal presence and check that the heat and pressure levels are sufficient for faultless sealing.

Easy to use.

The seal rolls are top-loaded with easy access for changeover. No waste produced.

To use, simply place the plate on the holder at the front of the unit. The plate is automatically pulled inside the sealer, sealed, and returned on the holder to the original position.

A seal for any application.

FluidX offer an extensive selection of thermal seals for use with the X-seal Automated Heat Sealer. Foils and films ideally suited to fluorescence, PCR and cell culture applications, short and long term storage, low temperature storage and seals that stand up to use with DMSO and hazardous materials.

Please see over for more details.

delivering solutions

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SPECIFICATIONS

Minimum Plate Height	8mm
Maximum Plate Height	46mm
Maximum Sealing Temperature	200°C
Minimum Cycle Time	5 Seconds
Dimensions	165 mm x 405 mm
Weight	20kg
Power Requirements	115 - 240 - V AC 50/60Hz
Internal Heaters	4 x 100 Watts
Minimum Operating Ambient Temperature	15°C
Minimum Working Ambient Temperature	40°C
Air Supply	Compressed air supply should be 80psi (5.5 bar), 87psi (6 bar) max.
Ordering Information	Cat. No. 47-1101 Automated Thermal Sealer compatible for 96 and 384 microplates and blocks. Designed for stand alone use and robotic integration

THERMAL SEALS

Cat. No.	Description	Application
43-1001	EZ Peel Foil For polypropylene plates. Peelable from freezer. Resistant to DMSO at low temperature. Good barrier to aqueous solutions. Seals can be re-applied.	Low temperature compound storage, short term room temperature compound storage, PCR.
43-1005	EZ Pierce 20um Foil For polypropylene plates. Good solvent resistance. Piercable with tip. Can re-seal over existing seal. (Thinner version of cat. no. 44-1004).	Compound storage, sample shipping, PCR.
43-1012	EZ Pierce Foil For polypropylene plates. Suitable for use with DMSO. Piercable with tip. Can add a secondary seal for transportation.	Compound storage, sample shipping, PCR.
43-1017	Thermal Bond, Heavy Duty Foil Peelable. Good solvent resistance.	A long term seal. Suitable for use with hazardous materials.
43-1008	Cristal Clear Film Peelable seal for polypropylene and polystyrene plates. Good optical clarity. Moderate solvent resistance.	Suitable for QPCR, fluorescence.
43-1015	Clear Weld Film Optically clear for visual inspection. Good solvent resistance.	Suitable for use with DMSO and hazardous materials.
	Gas Permeable Non-woven Seal Peelable. Provides barrier to solid contaminants.	Suitable for cell culture. Seals polypropylene and polystyrene plates.
43-1030	DMSO Resistant Peelable Foil	Compound storage with DMSO, low and room temperature.

FluidX reserve the right to update and change product information without notice.

Tel: +44 (0) 1625 861614 Email: info@fluidx.co.uk www.fluidx.co.uk