



Title: Discontinuation of 4s3 Heat Sealer and X-Seal	
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We are writing to inform you that the IntelliXseal SA will replace the 4s3 Semi-Automatic Sheet Heat Sealer, the X-Seal Manual Variable Temperature Thermal Sealer, and the AirFilm X-Seal Manual Variable Temperature Thermal Sealer as of August 5th, 2020.

1. Affected Products:

This affects all part numbers 4ti-0655, 4ti-0602, 4ti-0612, 4ti-0613, 4ti-0615, 4ti-0616, 4ti-0617, 4ti-0618, 4ti-0624, 4ti-0625, 47-2001; 47-2002; 42-1001; 42-1002; 42-1003; 42-2001; 42-2002; 42-2003; 66-1001; 66-1021

Part number	Description
4ti-0655	4s3™ Semi-Automatic Sheet Heat Sealer Semi-automatic sheet heat sealer compatible with a wide range of seals and microplates, PCR and assay plates, as well as storage plates of differing designs and heights
4ti-0602	4s3™ Weighted Sealing Platen for holding down sealing sheets that have a tendency to curl; 1 platen
4ti-0612	4s3™ Sealing Frame for use with Plate Support Adapter, PCR 96 (4ti-0625); 1 frame
4ti-0613	4s3™ Plate Support Adapter Random Access; for Random Access seals; 1 adapter
4ti-0615	4s3™ Plate Support Adapter Standard; for skirted 96 and 384 well plates; 1 adapter
4ti-0616	4s3™ Plate Support Adapter Roche 1536; for Roche 1536 well PCR plates; 1 adapter
4ti-0617	4s3™ Plate Support Adapter Storage 96 and 384; for 96 and 384 well storage plates; 1 adapter
4ti-0618	4s3™ Plate Support Adapter PCR 384; for 384 well PCR plates; 1 adapter
4ti-0624	4s3™ Plate Support Adapter PCR 96 MPL; for 4ti-LB0109 and 96 well PCR plates; 1 adapter
4ti-0625	4s3™ Plate Support Adapter PCR 96; for 96 well PCR plates; 1 adapter
47-2001	X-Seal Manual Variable Temperature Thermal Sealer with adjustable temperature and time, works with all standard SBS footprint plates and standard PCR plates.
47-2002	AirFilm X-Seal Manual Variable Temperature Thermal Sealer with adjustable temperature and time, works with FluidX storage tubes and AirFilm Thermal Seal.
42-1001	Adapter for FluidX tube rack [C] C:2mm H:21mm - Included

42-1002	X-Seal Plate Support Adapter For unskirted and Semi-Skirted PCR plates
42-1003	Adapter for FluidX tube rack [A] C:2mm H:4mm - Included
42-2001	AirFilm X-Seal Plate Support Adapter
42-2002	AirFilm X-Seal Plate Support Adapter
42-2003	AirFilm X-Seal Plate Support Adapter
66-1001	FluidX AirFilm 96 individual thermal seal, 96 tube seals per sheet, with tab for manual peeling; 50 sheets
66-1021	FluidX AirFilm 96 individual thermal seal, 96 tube seals per sheet, without tab; 50 sheets



Image 1: 4s3™ Semi-Automatic Sheet Heat Sealer (P/N 4ti-0655)



Image 2: FluidX X-Seal (P/N 47-2001); AirFilm X-Seal (P/N 47-2002)

2. Reason for change

Both the FluidX and the 4titude range have a semi-automatic thermal sealer for low-to-medium throughput. As FluidX and 4titude have now integrated within Brooks, it is desirable to present a single semi-automatic thermal sealer, and therefore it has become unnecessary to maintain both sealers with identical functionality. We have therefore rebranded these sealers to bring



them in-line with Brooks brand guidelines, and will only offer one semi-automatic thermal sealer for low-to-medium throughput going forwards.

3. Replacement Products

The IntelliXseal SA Semi-automatic sheet heat sealer is a direct replacement of both the 4s3 Semi-Automatic Sheet Heat Sealer and the X-Seal Manual Variable Temperature Thermal Sealers. There has been no change to form, fit or function, as this is purely a branding exercise.

The IntelliXseal SA also maintains functionality of the FluidX AirFilm 96 previously used with the AirFilm X-Seal sealer. We recommend sealing at 185°C for 6 seconds with the IntelliXseal SA for sealing of tubes with FluidX AirFilm 96.

See below for product details:

Part number	Description
59-2000	IntelliXseal SA; Semi-automatic sheet heat sealer compatible with a wide range of seals and microplates, PCR and assay plates, as well as storage plates of differing designs and heights
59-2001	IntelliXseal SA Plate Support Adapter Standard; for skirted 96 and 384 well plates; 1 adapter
59-2002	IntelliXseal SA Plate Support Adapter Roche 1536; for Roche 1536 well PCR plates; 1 adapter
59-2003	IntelliXseal SA Plate Support Adapter PCR 96; for 96 well PCR plates; 1 adapter
59-2004	IntelliXseal SA Plate Support Adapter PCR 384; for 384 well PCR plates; 1 adapter
59-2005	IntelliXseal SA Plate Support Adapter Random Access; for Random Access seals; 1 adapter
59-2006	IntelliXseal SA Plate Support Adapter Storage 96 and 384; for 96 and 384 well storage plates; 1 adapter
59-2007	IntelliXseal SA Plate Support Adapter PCR 96 MPL; for 4ti-LB0109 and 96 well PCR plates; 1 adapter
59-2008	IntelliXseal SA Weighted Sealing Platen for holding down sealing sheets that have a tendency to curl; 1 platen
29-2009	IntelliXseal SA Sealing Frame for use with Plate Support Adapter, PCR 96 (4ti-0625); 1 frame



Image 3: IntelliXseal SA (P/N: 59-2000)

4. Benefits of change

Consolidation of both models of the 4s3 Semi-Automatic Sheet Heat Sealer and the X-Seal Manual Variable Temperature Thermal Sealers will enable greater focus to this model for future developments. The IntelliXseal SA has a shipping screw fitted on the back of the instrument that was not present on the XSeal, preventing damage to the drawer on the front of the instrument during transport.

5. Specifications of replacement products

	IntelliXseal SA
Part Number	59-2000
Dimensions (L x W x H)	275mm x 181mm x 310mm
Sealing Temperature Range	60 – 200°C
Sealing Time Range	0 - 10 seconds
Weight	9 kg
Power Supply	110/230V
Power Consumption	300 W (max)
Connection	RS-232 serial port

6. Date of change

5th August 2020

7. Product availability

The 4s3 Semi-Automatic Sheet Heat Sealer and the AirFilm Manual Variable Temperature



Thermal Sealer are withdrawn from further sales with effect immediately.

Limited stock of X-Seal Manual Variable Temperature Thermal Sealer are available for sale until stock runs out. These will be sold at 40% discount.

Support and maintenance for existing customers will continue until 5th August 2025, after which these products will be fully decommissioned.

The IntelliXseal SA units are available immediately.

If you require further information please feel free to contact your local rep, distributor or email the office on blss.sales@brooks.com.