

SAPPHIRE EVO IP65 VERSION



**SEMI-AUTOMATIC
SOLENOID OPERATED
HEAT SEALING MACHINE**

SAPPHIRE EVO IP65 VERSION OF OVERHEAD SACK SEALER

Our IP65 Sapphire model of solenoid operated Impulse sealer is manufactured in stainless steel. Produced to a higher specification than our standard Sapphire, housing all electrical controls and main electrical circuits within a sealed control box. This enable the sealer to be used in wet or dusty environments up to IP65 ingress level. The SAPPHIRE is capable of sealing bags/sacks made from polythene, co-extruded plastics and laminate films. To achieve the highest quality of seal (even through light contamination), the SAPPHIRE is built with both of its sealing jaws heated.

Sealing is initiated when the jaws are closed on the film, operation is actuated by an IP67 rated low voltage electrical foot switch (should water be present on the floor).

The sealing cycle is controlled by a two stage electronic timer, with adjustable control over both the heating and cooling times. This ensures repeatable seals to suit the bag thickness and environment conditions. The timer control releases the jaws automatically at the end of the seal cycle.

To cater for various bags sizes / volumes, the working height of the sealing head can be manually adjusted via a simple hand clamp on the sealing head support column. For finer adjustment or when smaller packs are to be sealed, a **Bag Support Tray option** (to support up to 25Kg) is available (see front image), this allows the bag standing height to be manually raised clear of the floor and make the working height comfortable for the operative. This also provides secondary height adjustment.

The machine is supplied as standard mounted on braked wheels for manoeuvrability, with the option of self-levelling feet.

The IP65 SAPPHIRE is available in two standard sealing jaw widths, either 700mm or 900mm.

The standard finish is 304 stainless steel.

NOTE: For critical or difficult applications (e.g. precise repeatability is essential, heavy side gusseted films, a varying ambient etc), the Sapphire can be specified with a processor controller, this provides much greater control over the sealing process, as a precise sealing temperature as well as precise heat and dwell time can now be set and maintained. Refer to the SAPPHIRE PRO model.

FEATURES

Safety-should the jaws make contact with an object or operators hands whilst closing, the electronic circuit senses this and releases the jaws immediately to avoid operator injury or damage to the product.

Foot operation.

Semi-automatic.

Spring tensioned long life heating elements.

Height adjustable sealing head.

OPTIONS

Braked wheels.

Bag Support Tray (see front image photo). Suitable for 25Kg bag /sack and is height adjustable.

* Gravity Roller Track, allows operator to push heavy sacks under the sealing head.

* Motorised belt conveyor with stop/start operation via a foot switch.



EXAMPLE
Gravity roller and motorised conveyor belt conveyor designed to suit application.

TECHNICAL SPECIFICATION

SAPPHIRE MODEL	700	900
SEAL TO FLOORHEIGHT	Min 950mm Max 1150mm	
SEAL LENGTH mm	700mm	900mm
SEAL WIDTH	6mm	
JAW OPENING mm	30mm	
SEALABLE THICKNESS	Max. 2 x 250mu (2x1000g)	
SEALING TIME	0 - 10 seconds	
POWER SUPPLY	230 volts 50/60Hz	
POWER VA (Watts)	600	750

