

## V 810 VA

### Technical data

Internal chamber dimensions	850 x 670 x 200 mm*
External dimensions	1070 x 1000 x 1980 mm** / 2200 mm with lid open
Seal length	810 mm
Vacuum pump	100 m <sup>3</sup> /h or 160 m <sup>3</sup> /h
Weight	400 kg or 470 kg
Power supply	3 phases, 230 / 400 V, 50 Hz***

\* width x height x depth  
 \*\* width x depth x height  
 \*\*\* special voltages upon request



### Seal welding system



Quantity and position of the welding bars according to individual agreement.

### BOSS quality characteristics

made in Germany



#### Longevity

BOSS vacuum machines are made exclusively with high-quality individual components: rust-free stainless steel, splashproof elements and Busch high-performance pumps - 100% Made in Germany. Clear structure, robust technology and sophisticated design guarantee long-lasting operational readiness.



#### User-friendliness

Our intuitive Z 3000 sensor control unit permits simple and precise setting of important operating parameters. Pre-set values can be recalled via the memory function. The well-thought-out and ergonomic construction of the machines permits user-friendly working and guarantees optimum packaging results.



#### Seal welding

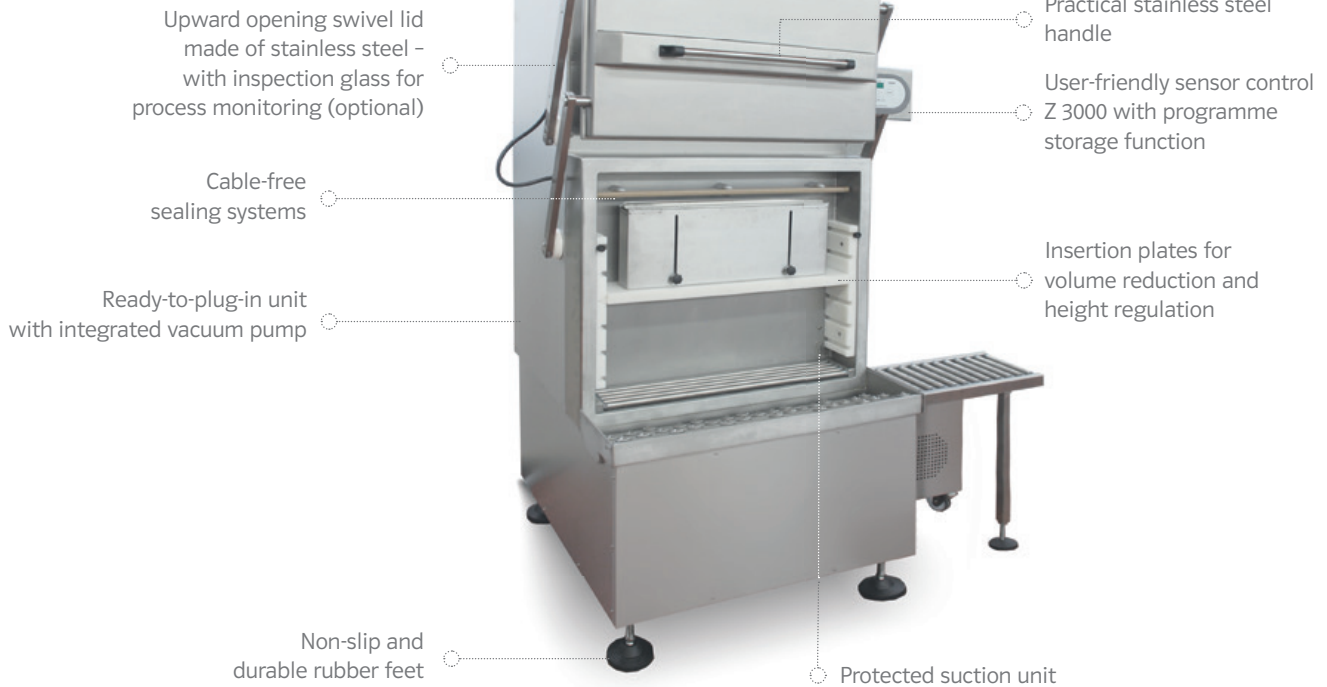
The perfect synergy of contact pressure, seal welding temperature and seal welding time produces optimum fusing results. Our seal welding systems are suitable for all commercially available vacuum bags. The bag overlap is cut off in order to avoid unnecessary bacterial exposure. The machine can be optionally equipped with double seam seal weld.



#### Service & Cleaning

Ease of cleaning is foremost in the design of our machines. They are made of stainless steel. The vacuum chambers are deep-drawn and the sealing systems cable-free. In order to reduce service costs and avoid downtimes due to maintenance, we attach great importance to easy accessibility and the clear arrangement of individual components. A service programme supports the functionality of the vacuum pump.

## Machine structure



## Lid and chamber

The stainless steel vacuum chamber is designed to be easy to clean. The lid is made of high-quality stainless steel and an inspection glass permits permanent process monitoring.

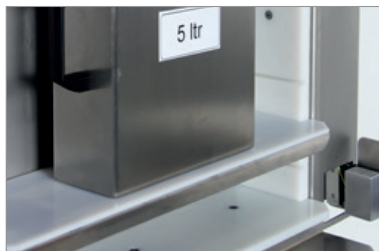
### Chamber



#### Benefits

- Combination with roller tracks possible
- Cable-free pressure systems
- Smooth surfaces for easy cleaning
- Individual chamber depths / heights upon request
- Dust filter for powdery products (optional)

### Shelves



#### Benefits

- Height adjustment by adjustable insertion plate (optional)
- Storage boxes with handles in various sizes
- Reduction of evacuation time due to volume-reducing insertion plates

### Stainless steel lid



#### Benefits

- Space-saving lid guide thanks to vertical swing mechanism
- Different dimensions upon request
- Cover fixing mechanism
- Silicone lip seal for smooth lid closure
- Additional stability thanks to supporting struts
- Inspection glass in the lid (optional)

## Control system

### Control system Z 3000

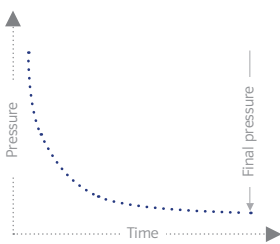
Our Z 3000 sensor control is equipped with a precision vacuum sensor and permits precise setting of important operating parameters. Vacuum, gas and sealing.



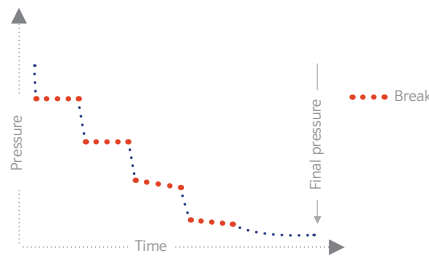
### Benefits

- User-friendliness
- 99-programme memory
- Clear depiction of individual parameters
- Break function for immediate process cancellation
- H2O sensor for automatic packaging of liquid products flexibly adjustable according to customer requirements
- Quick-stop function for packaging liquids
- Incremental vacuum function for slowly degassing products
- Cyclic vacuum permits multiple flushing of the bag
- Continuous running - service programme for automatically cleaning the vacuum pump
- Separately controllable sealing systems
- Splashproof design
- Soft-air function for gentle back ventilation (optional)
- Individual setting of cooling, pressing on and back ventilation times
- Operating hours counter for monitoring service intervals

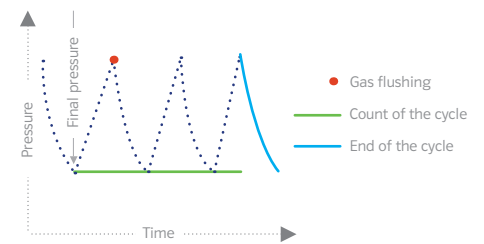
Final pressure evacuation with auto-stop function



Incremental vacuum

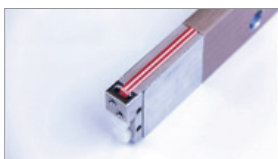


Cyclic vacuum

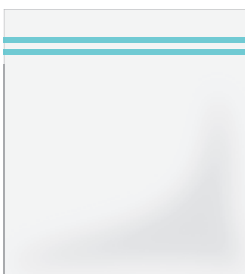


## Seal welding

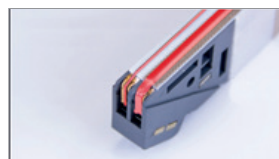
Double seal weld



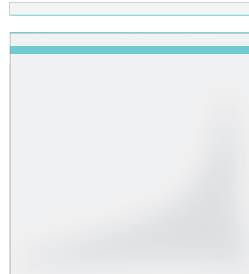
Double flat wire: 6 x 0,3 mm



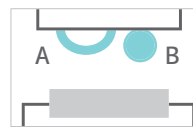
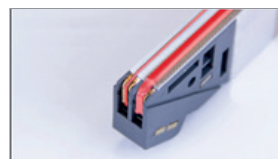
Simple cut-off seal weld



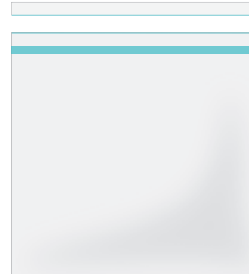
Round wire: 1,2 mm Ø  
Flat wire: 4 x 0,2 mm



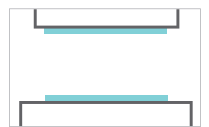
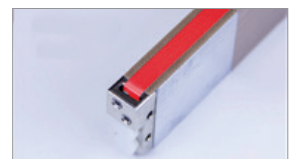
Separately adjustable cut-off seal weld



Round wire: 1,2 mm Ø  
Flat wire: 4 x 0,2 mm



Over-/ under seal weld

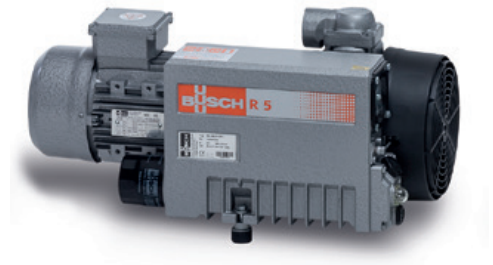


Flat wire above: 8 x 0,2 mm  
Flat wire below: 6 x 0,2 mm



## BUSCH vacuum pump

Our BOSS vacuum packaging machines are fitted with powerful oil-driven rotary disc vacuum pumps made by the Busch Company.



### Benefits

- Reduction of oxygen content by up to max. 0.1%
- Constant high vacuum level
- Optimum conservation of moisture-sensitive and/or oxygen-sensitive products
- Long-term replacement part guarantee
- Service-friendly design
- Technically mature, long-life technology Made in Germany
- Gas ballast valve for the evacuation of larger quantities of steam

### Technical data

Nominal pumping speed	100 m <sup>3</sup> /h	160 m <sup>3</sup> /h
Ultimate pressure (mBar)	0,1	0,1
Nominal motor rating (kW)*	~ 2,7	~ 4
Nominal motor speed (U/min)	1500	1500
Noise level (ISO 2151) (dB)	65	70
Oil capacity (liter)	2	5

\* depends on the voltage supply

## Accessories

1. Gas flush device with 5 nozzles
2. Simple cut-off seal weld
3. Over-/ under seal weld (not possible in combination with separately adjustable cut-off seal)
4. Separately adjustable cut-off seal weld
5. Pump 160 m<sup>3</sup>/h, 3 phases; 230/400 V, 50 Hz
6. Slow air release
7. Inspection glass in the lid (maximally 2 glasses possible)
8. Automatic lid shift
9. Dust filter to protect vacuum pump
10. Bag support box (stainless steel)
11. Height-adjustable insertion plate including holder right/left
12. Automatic lifting table in front of the machine including roller track in the machine
13. Height adjustable roller track, 300 mm wide (stainless steel)
14. Set of wearing parts (teflon, wire, lid gasket, silicone for pressure bar)
15. Packaging (stable cardboard box on wooden pallet)

