

# MAX 42-S

## Technical data

Internal chamber dimensions	450 x 460 x 210 mm*
External dimensions	540 x 560 x 410 mm*
Seal length	420 mm
Vacuum pump	16 m <sup>3</sup> /h or 21 m <sup>3</sup> /h
Weight	70 kg or 73 kg
Power supply	1 phase, 230 V, 50 Hz**

\* 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



### 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 high-pressure seal welding systems ensure consistent sealing results even with thicker types of bag. The bag overlap is cut off in order to avoid unnecessary bacterial exposure. The machine can be optionally equipped with double seam 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 deep-drawn. The lid is made of high-quality acrylic and permits permanent process monitoring.

### Chamber



#### Benefits

- Avoidance of dirt-sensitive welding seams
- Rounded edges ensure the greatest hygiene
- Leaking fluid collects in the chamber recess

### Shelves



#### Benefits

- Optimum shelf height
- Minimisation of the chamber volume
- Shortening of the evacuation time
- Grip hole for simple handling
- Consisting of robust, food-safe PE materials
- Rounded edges for safe handling
- Dishwasher-safe

### Acrylic lid



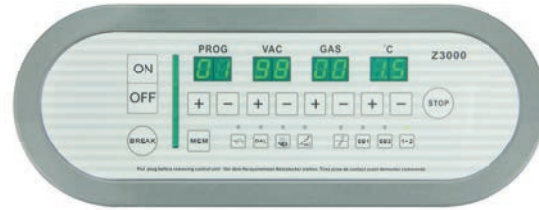
#### Benefits

- Non-slip surface
- Flat and curved versions available
- Easy-clean silicone holder
- Silicone lip seal for smooth lid closure

## Control system

### Control system Z 3000

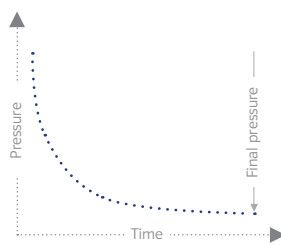
Our Z 3000 sensor control system is equipped with a precision vacuum sensor and permits precise setting of important operating parameters. Vacuum, gas and seal welding.



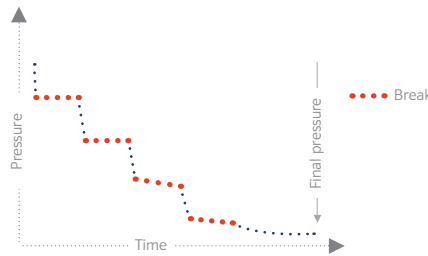
### Benefits

- 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
- Red Meat programme for shrink bag packaging
- Continuous running - service programme for automatically cleaning the vacuum pump
- Separately adjustable cut off seal welding systems
- Splashproof design
- Soft ventilationfunction for gentle back ventilation (optional)
- Individual setting of cooling, pressing on and back ventilation times
- Operating hours counter for monitoring service intervals

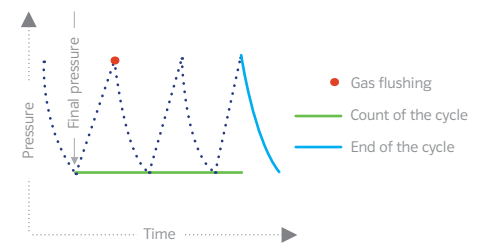
### Final pressure evacuation with auto-stop function



### Incremental vacuum

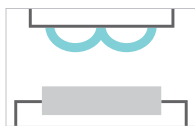
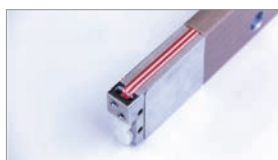


### Cyclic vacuum

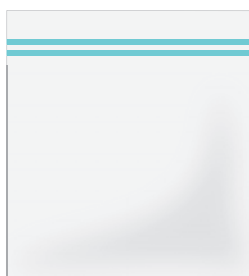


## Seal welding

### Double seam weld



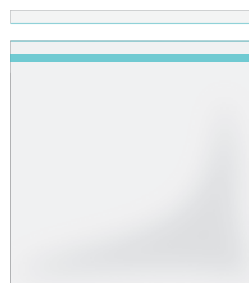
Double flat wire: 6 x 0,3 mm



### Simple cut-off seal weld



Round wire: 1,0 mm Ø  
Flat wire: 3 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.

### Technical data

Nominal pumping speed	16 m <sup>3</sup> /h	21 m <sup>3</sup> /h
Ultimate pressure (mBar)	0,5	1
Nominal motor rating (kW)*	~ 0,55	~ 0,75
Nominal motor speed (U/min)	1500	3000
Noise level (ISO 2151) (dB)	54	66
Oil capacity (liter)	0,4	0,45

\* depends on the voltage supply

### 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

## Accessories

1. Gassing unit 2 nozzles
2. Undercarriage with storage space (stainless steel)
3. Slanted bag holder for packaging of liquids (stainless steel)
4. Suction device for standardized catering boxes
5. Soft ventilation
6. ESD version (for the packaging of electronic parts)
7. Higher performance vacuum pump with 21 m<sup>3</sup>/h, 1 phase, 230 V, 50 Hz, A.C.
8. Stainless steel lid (effective height 230 mm)
9. Over-/ under seal weld (only available in combination with stainless steel lid)
10. Lid inspection window (only available in combination with stainless steel lid)
11. Set of wearing parts (teflon, wire, lid gasket, silicone for pressure bar)
12. Packaging (stable cardboard box on wooden pallet)

