

V 50 VA

Technical data

| | |
|-----------------------------|--|
| Internal chamber dimensions | 530 x 545 x 185 mm* |
| External dimensions | 650 x 700 x 1530 mm** |
| Seal length | 520 mm |
| Vacuum pump | 25 m ³ /h or 63 m ³ /h |
| Weight | 150 kg or 170 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 sealing 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.



Sealing

The perfect synergy of contact pressure, sealing temperature and sealing time produces optimum fusing results. Our high-pressure sealing 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 sealing.



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

- Cable-free sealing 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

- Ergonomic design
- Various depths available
- Cover fixing mechanism
- Silicone lip seal for smooth lid closure
- Easy-clean sealing system-installation in lid
- Sealing systems easy to uninstall
- Inspection glass in the lid (optional)

Control system

Control unit Z 3000

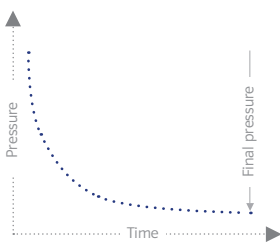
Our Z 3000 sensor control is equipped with a precision vacuum sensor and permits precise setting of important operating parameters. Vacuum, gas and sealing.



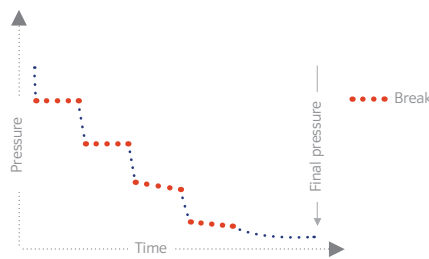
Benefits

- 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 seal welding 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

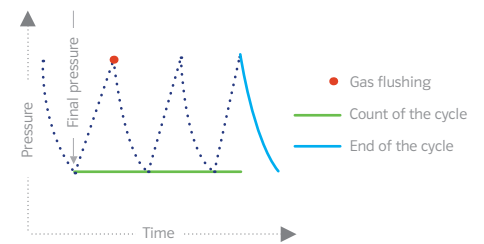
Final pressure evacuation with auto-stop function



Incremental vacuum

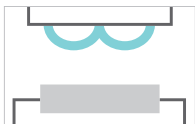
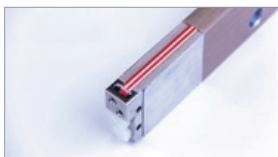


Cyclic vacuum

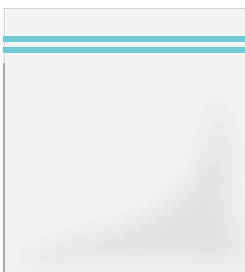


Seal welding

Double seam weld



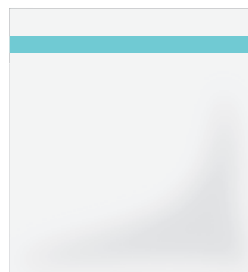
Double flat wire: 6 x 0,3 mm



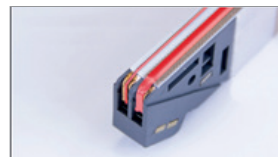
Simple cut-off seal weld



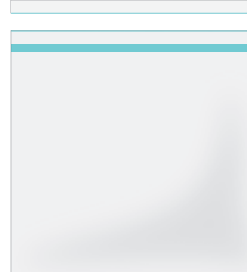
Flat wire above: 8 x 0,2 mm
Flat wire below: 6 x 0,2 mm



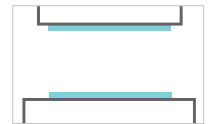
Separately adjustable cut-off seal weld



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



Over-/ under seal weld

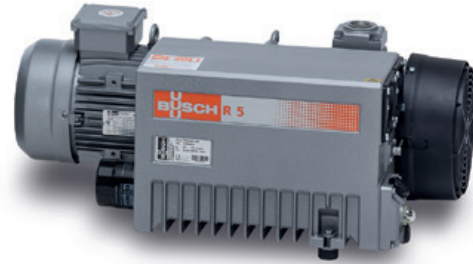


Flat wire above: 8 x 0,2 mm
Flat wire below: 6 x 0,2 mm



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 | 25 m ³ /h | 63 m ³ /h |
| Ultimate pressure (mBar) | 0,1 | 0,1 |
| Nominal motor rating (kW)* | ~ 1 | ~ 2 |
| Nominal motor speed (U/min) | 1500 | 1500 |
| Noise level (ISO 2151) (dB) | 60 | 64 |
| Oil capacity (liter) | 1 | 1 |

* depends on the voltage supply

Accessories

1. Gas flush device with 3 nozzles
2. Top/bottom welding (not possible in combination with separately adjustable cut-off seal)
3. Separately adjustable cut-off seal
4. More powerful pump with 63 m³/h, 3 phases; 230/400 V, 50 Hz
5. Slow air release
6. Inspection glass in the lid
7. Dust filter to protect vacuum pump
8. Bag support box (stainless steel)
9. Insertion plate (height-adjustable)
10. Set of wearing parts (teflon, wire, lid gasket, silicone for pressure bar)
11. Packaging (stable cardboard box on wooden pallet)

