

POLAR FEATURES

- The POLAR series is the top of the range from Henkelman and offers a complete range of industrial stainless steel vacuum packaging machines
- The POLAR machines have a well-designed, solid construction that guarantees efficient, long-term use while achieving an optimal packaging result
- The systems have been developed for industrial applications in a variety of food and non-food production areas. Clear choices for premium stainless steel materials and robust constructions as well as protection against moisture (IP 65) ensure that the machines operate optimally in every environment
- The revolutionary technical design by Henkelman B.V. makes the POLAR machines extremely user friendly
- The unique POLAR spring system ensures that the lids of the large double chamber models are light to operate
- The digital machine programs are easy to run. Program values can be set standard with default programs for quicker and constant operation
- The standard high pump capacities ensure a swift and optimal final vacuum
- The low maintenance hygienic constructions and extensive service program guarantee reliability in operation and low maintenance costs



Henkelman BV
PO Box 2117
5202 CC 's-Hertogenbosch
The Netherlands
Tel +31 (0)73 - 621 36 71
Fax +31 (0)73 - 622 13 18
info@henkelman.com
www.henkelman.com



OTHER ORIGINAL HENKELMAN SERIES

POLAR SERIES

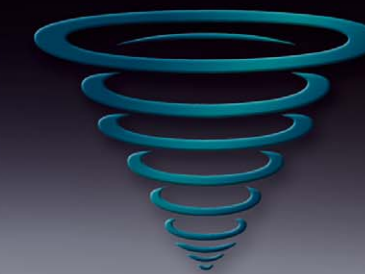
CREATING NATURAL PROTECTION

'CREATING NATURAL PROTECTION' STANDS FOR HENKELMAN PACKAGING MACHINES IN THE GLOBAL MARKET AND UNIQUE COMPANY POLICY

Henkelman packaging machines ensure an optimal 'natural protection' of products in a wide variety of industries worldwide. Henkelman guarantees affordable top quality in the vacuum packaging technology. Advanced engineering, modular construction and well-balanced design ensure that the machines perform optimally and are easy to maintain. The variety of machines and possibilities offers

the customer an optimal choice for packaging his or her product. Henkelman's company policy ensures the 'natural protection' of customers and their markets. The efficient organisation and dynamic Henkelman team ensure a constant quality and quick delivery times. Fast lines of communication combined with customer oriented support and sharp prices make Henkelman unique.

POLAR SERIES



ORIGINAL
HENKELMAN
vacuum systems



CREATING
NATURAL PROTECTION

POLAR SERIES

VACUUM PACKAGING MACHINES WITH WORLDWIDE REPUTATION FOR FOOD AND NON-FOOD PRODUCTS

- **Renowned series of stainless steel packaging machines for industrial applications**
- **Full range for vacuum and MAP packaging options**
- **Extensive program choices for specific packaging requirements**
- **Extremely large variety of applications in worldwide industrial productions**
- **User friendly and low-maintenance supplied with complete service program**
- **Well-balanced constructions and high quality materials guarantee durability**

FOOD PRODUCTS

INDUSTRIAL PRODUCTION - WHOLESALE - EXPORT PACKAGING (MEAT, POULTRY, FISH, CHEESE, VEGETABLES ETC.)

- Longer shelf life / Optimal product and storage hygiene (no contamination, hermetically sealed)
- No loss of product (prevents drying out, moulds and freeze burn)
- Improved product quality (product maturing in packaging, no loss of aroma)
- Cost savings due to longer shelf life (larger purchasing amounts, re-packaging)
- Increased turnover due to longer shelf life (broader market, more variation in product range)
- Professional product presentation
- Optimal packaging contributes to food safety and HACCP standards

NON-FOOD PRODUCTS

ELECTRONICS - SEMI-CONDUCTORS - METAL - PHARMACEUTICAL PRODUCTS - TEXTILES - LABORATORIES ETC.

- Moisture free anti-corrosive packaging
- Air and dust-free antistatic packaging
- Volume reducing packaging
- Product protecting and fraud resistant packaging



POLAR SPECIFICATIONS

GENERAL

- Single and double chamber floor models
- Stainless steel housing
- Stainless steel flat working plate
- Stainless steel lid
- Easily removable silicon holders for cleaning working plate
- Sealing mechanism mounted in lid
- Insert plates for adjusting vacuum chamber height

PACKAGING FUNCTIONS

- **Vacuum** Optimal final vacuum 99,99% (0,1 Mbar)
- **Gas-flush** Injecting food-gas for product protection and longer shelf life
- **Soft-air** Controlled ventilation for protection of product and packaging

SEALING SYSTEMS

- **Double Seal** 2 x 3,5 mm convex sealing wire for optimal moisture elimination (double protection)
- **Trennseal** 1 x 3,5 mm convex sealing wire + 1 x 1,1 mm round cutting wire / One time setting (cut off remaining flap)
- **1-2 Trennseal** 1 x 3,5 mm convex sealing wire + 1 x 1,1 mm round cutting wire / Independent time setting (shrink bags)
- **Wide Seal** 1 x 8,0 mm flat sealing wire
- **Bi-Active Seal** Upper and lower sealing bars with 1 x 5,0 mm flat sealing wire (thick and aluminium vacuum bags)

OPERATIONAL CONTROL FUNCTIONS

- **Digital Control** Time control / Automatic programming / 10 default programs
- **Sensor Control** Set percentage pressure for vacuum and gas functions for accurate and constant packaging results / Automatic programming / 10 default programs / Vacuum plus time

SUPPORT CONTROL FUNCTIONS

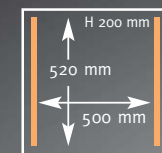
- STOP button for partial/full cycle interrupt
- Digital maintenance program for pump / Operating hours counter / Service indicator programs / Sleeper function etc.

OPTIONAL FUNCTIONS / ACCESSORIES

- Service kit for standard maintenance
- Special control options for specific applications
- Special machine adaptations for specific products and/or production environments



- Standard specifications
- Optional specifications



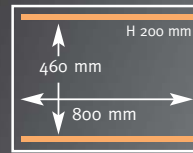
POLAR 52

- Capacity pump 063 m³/h
- Machine cycle 15-40 sec.
- Dimensions 700 x 730 x 1100 mm
- Voltage 400V-3-50Hz
Other voltages available
- Power 2,4 - 3,5 KW

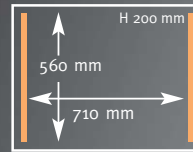


POLAR 80

Standard
500 - 800 mm seal



Option
2 x 800 mm seal

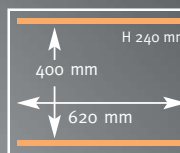


Option
2 x 560 mm seal

- Capacity pump 100 m³/h
- Machine cycle 15-40 sec.
- Dimensions 920 x 790 x 1125 mm
- Voltage 400V-3-50Hz
Other voltages available
- Power 3,0 - 5,0 KW



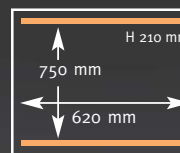
POLAR 2-40



- Capacity pump 063 m³/h
- Machine cycle 15-40 sec.
- Dimensions 1545 x 790 x 1090 mm
- Voltage 400V-3-50Hz
Other voltages available
- Power 3,3 - 4,5 KW



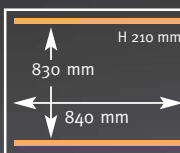
POLAR 2-75



- Capacity pump 160 m³/h
- Machine cycle 15-40 sec.
- Dimensions 1545 x 1150 x 1180 mm
- Voltage 400V-3-50Hz
Other voltages available
- Power 5,5 - 9,0 KW



POLAR 2-85



- Capacity pump 300 m³/h
- Machine cycle 10-30 sec.
- Dimensions 1980 x 1230 x 1180 mm
- Voltage 400V-3-50Hz
Other voltages available
- Power 7,0 - 9,0 KW



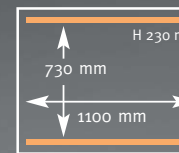
POLAR 2-50



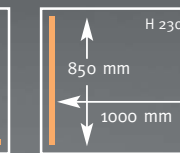
- Capacity pump 100 m³/h
- Machine cycle 15-40 sec.
- Dimensions 1545 x 900 x 1175 mm
- Voltage 400V-3-50Hz
Other voltages available
- Power 3,5 - 5,3 KW



POLAR 2-95



Standard 2 x 1100 mm seal



Option 2 x 850 mm seal



Option 3 x 1100 mm seal

- Capacity pump 300 m³/h
- Machine cycle 15-40 sec.
- Dimensions 2420 x 1210 x 1130 mm
- Voltage 400V-3-50Hz
Other voltages available
- Power 7,0 - 9,0 KW