



HAVER ROTO-PACKER

The ROTO-PACKER valve bag filling machine introduced by HAVER, first time in 1960, has since achieved unprecedented success. Bulk material is efficiently filled and weighed using 3 to 16 filling spouts on one rotating machine using either the impeller type filling process or the air type

filling process.

Special features:

- a high filling speed of over 4000 bags/hr. with minimum bag dimensions
- optimized bag weighing by an electronic weighing system and a filling channel valve that can

be adjusted for fine and coarse flow

- clean packing process with vertical spillage return, dedusting and specific filling tube designs
- compact modular construction that simplifies installation and maintenance
- modern drives that assure minimal

machine down times · economically sound

- concepts • operationally reliable

 - robustlong service life - environmentally
- friendly - high technical stan-
- dards



Bagging output of only one HAVER ROTO-PACKER = appr. 4.000 bags/hr.

Experience makes all the difference



A HAVER packing system with a HAVER ROTO-PACKER, automatic bag applicator RADIMAT and check weigher

HAVER ROTO-PACKER with vertical impeller filling system





Through their continuous development, the HAVER vertical impeller filling system RS could be optimally designed to fulfill the special requirements of filling free-flowing, bulk materials - especially for building materials of every type.

- optimum filling efficiency for small bag dimensions with minimum aeration
- reduced wear and tear
- high operational safety
- quick and easy access to exposed parts such
- optimally transmitted via specially designed filling channels
- pneumatically operated slide valve coarse-, fine flow and shut-off
- soft-start drive system using V-belts

1 air and power connections 2 rotary drive unit – speed

- adjustable
- bearing unit

- 8 quick discharge device
- dedusting

10 packer bin level control

HAVER ROTO-PACKER with the air type filling system





HAVER ROTOSEAL®-PACKER





HAVER ROTO-PACKER according to the air type filling system



HAVER ROTO-PACKER according to the impeller type filling system



Whenever filling building products and fine mineralbased materials, the ROTOSEAL packing plants developed by HAVER & BOECKER will certainly convince you when it comes to operation and economics. Clean operation and exact weight filling as well as an output of up to 3000 bags/hr. are the distinctive characteristics of HAVER packing systems. ROTOSEAL®-PACKERs – designed according to the impeller type filling system or air type filling system – require no subsequent bag cleaning systems or dedusting equipment for producing clean filled bags. With ROTOSEAL®, absolute cleanliness during packing operation is standard.

HAVER ROTO-PACKER for today and the future





The HAVER ROTO-PACKER product feeding systems





Vertical double rotary feeder for consistent volumetric dosing of powder type free-flowing materials

The HAVER vertical double rotary feeder can be used any place where powder type, free-flowing material must be volumetrically fed with consistency.

Impeller sectors, sealed on all sides, rotate about a vertical axis. The material flow is thereby forced and the material cannot simply drop through. The sealing strips are adjustable and replaceable, if necessary.

Power transmission occurs via a flat bevel gear unit driven by an AC motor and drive belts. An adjustable drive unit may be used as well. The cone valve may be used as an alternative to the rotary feeder when loads from product in the initial silo are not excessive.

The cone valve is positioned in the ROTO-PACKER inlet. Its activation is done pneumatically and an uncontrolled opening is prevented by a mechanical lock.

HAVER filling systems



HAVER ROTO-PACKER details



Spillage rejecting flap during bag discharge

HAVER filling shutoff valves – as slide gate valve or pinch valve are always functional and reliable over the long term.

Advantages:

- high weight accuracy by exact material flow dosing
- 3-position cylinder for full and fine flow
- manual or motorized adjustment of fine flow opening
- extremely low product adhesion
- optimum interaction between weighing parts and stationary parts
- air tight closing of filling channel
- tried and proven system, even under extreme conditions

Among other aspects, the spillage rejecting flap offers a big improvement in bag cleanliness. During discharge, the rejecting flap prevents the bag from becoming contaminated with product that could drip out of the filling tube. Activation of the rubber flap occurs pneumatically.

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Spillage rejecting flap during filling process



Pneumatic saddle height adjustment (two positions)

Infinitely saddle height adjustment (stepless) – option: screened saddle

HAVER weigher electronics and data processing system





RADIMAT automatic bag applicator for valve type bags



HAVER RADIMAT bundle system



As an automated system for the ROTO-PACKER, the HAVER RADIMAT valve type bag applicator represents a significant potential for plant rationalization:

General advantages:

- modular design
- standardized for a wide range of bag types
- automatic adjustment for varying bag sizes
- self adjustment with respect to the ROTO-PACKER rotary speed

Minimized machine down times are the direct result of the RADIMAT's use of a tried and proven, low maintenance, drive system.

Other decisive factors with respect to productivity include the SPS controlled processes and a bag feeding reliability that doesn't adversely affect the subsequent filling system.

This allows the use of large diameter filling tubes for achieving:

- high filling speeds
- excellent weight accuracies
- exceptional bag cleanliness

The work operations and functional steps together with a HAVER ROTO-PACKER allow filling rates of more than 4000 bags/hr.

HAVER depalletizing system for empty bags



HAVER ROTO-PACKER projects



HAVER reject screens for foreign bodies and packing plant design

HAVER screens for foreign bodies in closed version (assembled)

NIAGARA reject screening machines for removing foreign bodies To assure trouble free operation of packing plants that use impeller filling systems, it is recommendable to remove foreign bodies that may be present in the product.

The closed NIAGARA reject screening machine was specially developed by HAVER for this purpose.

For light operation, the free-swinging system is suitable.

For heavy duty, high productivity operation, the NIAGARA screening machine with the eccentric drive shaft system is the best choice.

HAVER service management

Training of maintenance personnel at HAVER

Teleservice – direct customer contact

Installation performed by HAVER specialists

Whoever places their trust in HAVER, can do so with complete confidence.

Close cooperation in the spirit of mutual partnership, wherever the customer may be. Quality and precision exist at every level of cooperation with potential buyers and customers. From the first initial contact, the first inquiry, and on up through the generation of a customized solution by a HAVER engineering team.

From systems engineering, assembly, plant commissioning, aftersales service and through network monitoring by using online diagnostics, HAVER assures reliable operational performance by your plant – worldwide. HAVER assures stock and delivery of spare parts for decades, the highest operational reliability, availability of all plant modules and rapid customer service worldwide. These are the necessary building blocks of exemplary customer support and service.

Whenever a customer is in need of training, teleservice, inspections at regular or variable time intervals, preventative maintenance, modernization and automation according to specific requests, plant performance inspections or financial feasibility analyses –

HAVER is always up-to-date and may be contacted at any time!

HAVER & BOECKER

Progress and Quality for the 21st century

HAVER Big Bag filling system

HAVER valve-type bag filling machine

NIAGARA flat screen

HAVER INTEGRA

HAVER & BOECKER

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