

SIGNODE **HB-V**

Operatorless vertical strapping machine

Robust, reliable and fast strapping for demanding applications
for 9 and 11 mm Polypropylene strap

for high-level performance

Unique features



for uninterrupted productivity

Reliable technology

Features and benefits

High strap tension – outstanding accuracy and consistency of tension level up to 900 Newtons

Unique 'jam resistant' technology – patented strapping head provides industry standard levels of reliability for increased productivity

Automatic Cut off and Refeed System (ACR) – strap is automatically rethreaded for continuous operation without operator intervention

Maximum Safety – full CE safety certification, plus numerous safety features for maximum operator protection

High System Flexibility – uses economical polypropylene strap in 9 and 11 mm widths and is easy to change between both strap sizes.



SIGNODE

www.signode.com

An ITW Company

MACHINES

OPERATORLESS

SIGNODE **HB-V**

Operatorless, vertical strapping machine

A new dimension of productivity and reliability

Design, function and operation

The Signode **HB-V** machine is designed to deliver high productivity and machine availability for vertical strapping applications. The **HB-V** is an operatorless machine which uses proven Signode technologies to achieve high levels of strap tension and pack throughput. The machine is based around a robust, welded box section construction with the strapping head mounted securely within the machine. Packs are transported along a guide rail by the customer's own conveyor system. The **HB-V** offers tension levels from 80 to 900 Newtons and benefits from unique Signode features including; Automatic cut-off and Re-feed (ACR); a patented feature which automatically ejects misfed strap, re-threads itself and continues strapping

without operator intervention; 'Jam-resistant' technology – the patented strapping head design increases both machine reliability and production uptime.

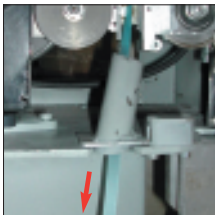
The **HB-V** has an aluminium chute system that provides low 'pull through' resistance to ensure that strap is accurately positioned around the pack.

Portable operator controls enable the strap cycle to be activated and adjusted from either machine side during setting-up.

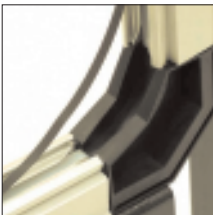
The **HB-V** has full CE safety certification to guarantee maximum user protection, plus numerous safety features including electrically interlocked doors which automatically switch the machine off when opened.



Jam-resistant Strapping Technology
Signode's 'jam resistant' technology gives high reliability and maximum up time.



Automatic Cut-off and Refeed (A.C.R)
Misfed strap is automatically ejected. Strap is then re-fed without operator intervention.



Precise Strap Positioning
The aluminium chute system ensures that the strap is accurately positioned on the pack.



Easy control Setting
Portable operator controls enable the strap cycle to be activated and adjusted from both sides of the machine.



HB Strapping Head
The cam-driven HB strapping head is designed for long operational life and requires virtually no maintenance.

Options

Special aluminium chute sizes
Additional dispenser for 200 and 405 mm core diameter
Non-driven and motor driven dispenser with 405 mm core diameter
Cradle for strapping head HB
Special conveyor height (450-900mm)
Indicator light – alerts to malfunction or low strap
Industrial strength interlock kit
AB micrologic PLC
Special interlocks
Special voltage (575 V or others)
Special colour for base frame on request

Machine Design

The **HB-V** is supplied with an aluminium chute in the following sizes;
Chute width: varies from 650mm to 1650mm in 200mm increments.
Chute height: varies from 1150mm to 2150mm in 200mm increments.
Chute length (maximum): must not exceed 6600mm.
Non-standard chute sizes available to special order.
Conveyor height: minimum 230mm; maximum 650mm.

Strapping Materials

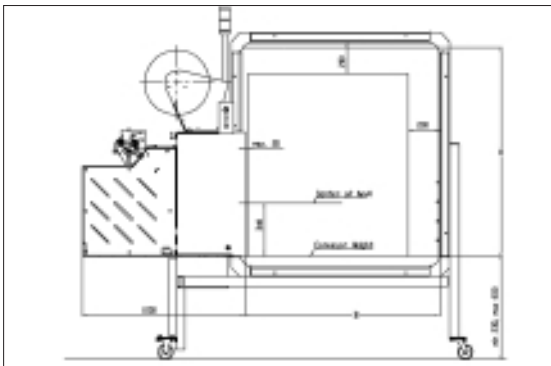
The **HB-V** machine is designed to operate with 9 mm or 11 mm Signode polypropylene strapping in a range of gauges from 0.4mm to 0.76mm.

Worldwide Service Back-up

As a global product, strapping materials, service and spare parts can be obtained from all Signode distributors and partners.

Technical Data

Strapping system	HB cam driven strapping head
Sealing method	Heat seal
Strap tension	Adjustable from 80 to 900 Newtons with high repeat accuracy
Power supply	220 or 400 V, 3 phase 50Hz or 460 V, 3 phase 60Hz
Cycle time	Up to 50 cycles/min depending on chute and product dimension
Strapping signal	By operator or via industrial interlock (interface)
Power consumption	1 KW
Control voltage	24 volts DC
Control	PLC type Siemens S7 200
Max Noise Level	79 dB (A)
Max Chute size	1650 x 2150 mm (width x height)
Min pack face	100 mm
Machine weight	285kg depending on specification
Machine finish	Frame: stainless steel and RAL 7021 black Chute: Aluminium profiles Electrical cabinet: RAL 9006



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P305 E 11/02
Printed in the U.K.

Signode has a policy of continuous product development and reserves the right to alter specifications at any time without prior notice.