



Special shrink tunnel for sleeve wrappers

## Universal 650/950N + HV

### Delivering Strong Shrink Results in Polyethylene Applications

The Universal N and HV shrink tunnels are perfect for All Polyethylene applications. These models are ideal for fully-automatic sleeve wrappers such as the Kalfass SW 500, SW 650/950 IL as well as the SW 500/800 Servo.

The Universal tunnels have high capacity heating systems which provide outstanding shrink results. Adjustable registers on both sides and bottom allow for fine-tuning of the airflow for all sizes of products. Variable speed blower and speed controls are also standard.

The Universal HV tunnels offer an additional complete fusion seal when used with sleeve wrappers. This patented technology allows for completely enclosed packages to be produced inside the shrink tunnel. Compressed air is used to overlap the 2 film layers on both sides. Heated air from the bottom and sides heats and shrink films.

This technology offers up to 15% film savings over other competitors using side seal stations or tuck and fold units to close the sides of the product. Dual layer tunnel chambers offer extremely high insulation and energy savings over single layer tunnel chambers.



Complete Packaging Solutions & Systems, Inc.



## Facts, data, figures

Technical data	Universal 650 N + HV	Universal 950 N + HV
Tunnell clearance in width:	25 in.	37 in.
Tunnell clearance in height, fix:	16 in.	20 in.
Length of heated tunnel hood:	67 in.	67 in.
Length of the additional insulation hood:	2200 HV only	2200 HV only
Extended tunnell outfeed:	24 in.	24 in.
Working height, adjustable:	31.5" - 35.5"	31.5" - 35.5"
Product transport, rod chainconveyor with silicone coated rods, gaping between rods 1 in.:	112 in.	3/4 in.
Transport conveyor, speed variable, mechanically adjustable:	30 - 115 feet/min	30 - 115 feet/min
Drive, three-phase gear motor:	0.37 KVA	0.37 KVA
Heater blower capacity:	variable mittels Frequenzumformer	variable mittels Frequenzumformer
Air flow regulation:	sliding registers at the bottom and the sides adjustable from the outside the tunnel hood	
Temperature control by means of electronic thmostat:	switching precision = $0 \pm 2^{\circ} \text{C}$	switching precision = $0 \pm 2^{\circ} \text{C}$
Power supply with protective earth conductor:	480V, 60HZ	480V, 60HZ
Heating capac, installed		
(consumption in continuous operation approx. 40%)	30 KVA	36 KVA
rated capacity:	32 KVA	38.5 A
Nominal current at 400 V (in-single phase operation):	46 A	56 A
Max: total connected load; incl. add. three phase power supply	62 A	72 A
Position of control cabinet and operating side:	left hand side in working direction	left hand side in working direction
Compressed air supply:	6 bar, dry air HV only	6 bar, dry air HV only
Colour:	KALLFASS - Anthracite	KALLFASS - Anthracite

Additional thermal insulation of the electrical cabinet: HV only

Film blow up system for 3 widths, each width can be turned on individuakly or in combination HV only

Wear resistant and contactless temperature control

### Options at extra cost

Weekly program timer on/off automatic with acoustic start warning

Transfer rollers in the tunnel infeed

Machine on/off from packing machine with acoustic start warning

Plugs for power and signaling connection with up-stream machine

Cool-down automatic, activated by push button, heating will be switched off, tunnel transport and tunnel blower stay in operation

Transport monitoring system by means of contactless indicator direct at the transport, including emergency stop of the heating; with optical indication

Rod chain conveyor equipped with clutch and optical indication

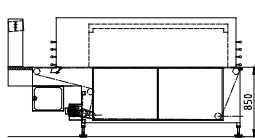
Plastic -mesh-belt speed range approx. 10-115 feet/min. N only

Special cooling blower above product outfeed

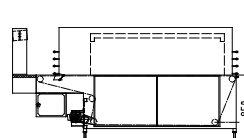
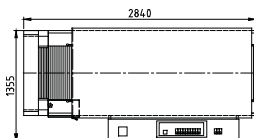
Special voltage (for standard voltage see technical data)

### Machine dimensions (approx. in mm):

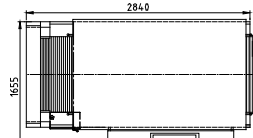
(This drawing may show options which are not included in the basic machine version and are available against up-charge only.)



Universal 650 HV



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