



## Side infeed with Horizontal / Universal collator

### Operation

- After filling, capping and labelling, product containers are then transported into the Autopack wrapping unit, by means of side mounted conveyor.
- Here, a pneumatic pusher collates the containers into a preselected pack formation, which upon completion is transferred forward into the welding position.
- At this stage the pack is clamped, the welding bar descends to complete the wrap, and the pusher returns to prepare the next collation of products.

- As the welding bar ascends the pusher advances to transfer the new collation into the welding position, at the same time displacing the previously wrapped collation onto continuously moving shrink tunnel conveyor. The wrapped collation soon enters the shrink tunnel chamber where recirculated hot air causes the wrap to shrink, and tightly conform to contours of the contents.
- Once the pack is out of hot chamber, forced air cooling is used to tighten the sleeve wrap to achieve a strong, secure pack ready for stacking on a pallet or placing in a shipping carton.

Specifications			45SLH	60SLH	80SLH
(All parameters in mm except "Film thickness")			L20 / M25 / M35	M25 / M35	H25 / H35
<b>Film</b>	Max roll width	wf	430	580	780
	Film thickness (µm)	tf	35 < tf < 100		
	Max roll dia	df	300 or max roll weight 25kg (whichever comes first)		
<b>Pack Size</b>	Max pack width <sup>1)</sup>	wp	320	420	650
	Max pack depth <sup>2)</sup>	dp	250	300	400
	Max pack height <sup>1)</sup>	hp	200 / 250 / 350	250 / 350	250 / 350
<b>Single Product</b>	Diameter min-max <sup>3)</sup>	d	35-100	35-100	35-100
<b>Packing Speed</b>	Without collation	Packs/min	15-20 / 18-23 / 18-23	18-23	12-20
	With collation <sup>4)</sup>	Packs/min	10-13 / 12-15 / 12-15	12-15	8-15
<b>Electrical Supply</b>	Average power	kW	8 / 8 / 10	10 / 11	24
	Max power	kW	11 / 12 / 13	14 / 15	34
Available in 220/380/415, 3ph, N+E, 50/60Hz					
<b>Compressed Air</b>	Working pressure	kPa	500	600	650
	Consumption	NL/Cycle	11	14 / 15	23 / 25
		CFM	6	7 / 8	9

### Note:

- 1) Maximum stated pack width can only be achieved if the pack depth and the height are not at their maximum. In general as the pack depth or height goes up, then for a given film size, width of the pack must decrease.
- 2) The values specified are to satisfy most applications but if they don't accommodate your product size please contact us as we may be able to vary some machine parameters during the manufacturing process.
- 3) The parameter "d" refers to the range of adjustment for collating of cylindrical containers. Rectangular containers can be collated without table guiding, hence the value of "d" may be easily increased, but not exceeding "dp"
- 4) The final speed is very much dependent on the method of collating, shape size and nature of product as well as the size of collation, 150 units/min would be a typical speed for a 330ml cylindrical container with a base dia, of say 50, collated into a 12 pack.
- 5) Depending on size of collation, different transfer table between the wrapping station and the shrink tunnel may be used. This will alter the values of L.
- 6) Height is adjustable from 830mm up to 900mm. Extension possible on request.

Dimensions			45SLH	60SLH	80SLH
(All parameters in mm)			L20 / M25 / M35	M25 / M35	H25 / H35
<b>Total System</b>	Overall Length <sup>5)</sup>	L	2505 / 3005 / 3005	3005	3905
	Width	W	650	800	1000
	Infeed Height <sup>6)</sup>	Hi	830	830	830
	Outfeed Height <sup>6)</sup>	Ho	830	830	830
	Wrapper Height	Hw	1690	1690	1690
	Tunnel Height	Ht	1720 / 1820 / 1920	1820 / 1920	1770 / 1870
<b>Infeed Conveyor</b>	Length	Li	600 / 800 / 800	775	1075
<b>Outfeed Roller</b>	Length	Lo	750-1500	750-1500	750-1500
	Width	Wo	350	500	700

The above parameters are constantly reviewed and updated and may vary from project to project depending on customers requirements.

