

# BATCH PRE-EXPANDER LWP500/1100/1400



## Main advantage:

- © Fully automatic and continuous production..
- © Controlled by touch screen and PLC, easy to operate.,
- © High output and save energy.
- © Exact density of foam beads
- © Stable quality and less failure.



## Characteristics:

- This machine applies PLC and touch screen, automatic feeding, electronic weighing, temperature control, material level control to realize automatic and continuous production.
- Electronic weighing system and material level control system ensure the density of the foamed beads, which make the beads uniform and keep the density tolerance within 2%.
- Japan original pressure reducing valve controls the steam pressure of the chamber, which ensures the outcome pressure of the valve constant and the inner temperature stable, which keeps the foamed material equal and prevents the beads agglomerate because of the bad temperature control.
- Automatic material charging system improves efficiency and reduces labor intensity.
- The closed constant pressure foaming barrel has high heating efficiency. It can save more than 50% energy compared to the continuous pre-expander.
- Automatic discharging from the pre-expander, which can automatically filter and crush the ball material and transport the foamed material to silos.
- Most of the main components are world-famous brand, with reliable performance, stable quality, long service life and low maintenance cost.

## TECHNICAL DATA:

Proportional valves of steam and compressed air are optional

ITEM		LWP500	LWP1100	LWP1400
Expansion Chamber	Diameter	DN500	DN1100	DN1400
	Volume	0.14m³	1.4m³	2.1m³
	Usable Volume	0.1m³	1.0m³	1.5m³
Steam	Entry	DN25	DN50	DN50
	Consumption	0.5-0.7kg/cycle	6-8kg/cycle	8-10kg/cycle
	Pressure	0.6-0.8Mpa	0.6-0.8Mpa	0.6-0.8Mpa
Compressed Air	Entry	DN20	DN25	DN50
	Consumption	0.2-0.3m³/cycle	0.5-0.6m³/cycle	0.5-0.8m³/cycle
	Pressure	0.5-0.8Mpa	0.5-0.8Mpa	0.5-0.8Mpa
Drainage	Upper Drain Port	DN65	DN100	DN125
	Down Drain Port	DN20	DN100	DN100
Material Conveying Pipe		DN150	DN150	DN200
Capacity	12g/l	85kg/h	10.5g/l	350kg/h
	18g/l	120kg/h	15g/l	580kg/h
	25g/l	175kg/h	20g/l	800kg/h
	50g/l	280kg/h	30g/l	950kg/h
Connected Load/Power		9.5KW	19.5KW	22.5KW
Expanded Density		12-120 kg/m³	10-40kg/m³	10-40kg/m³
Density Tolerance		< ± 2%	< ± 2.5%	< ± 3%
Overall Dimension		2900x4500x5900(mm)	2900x4500x5900(mm)	6500x3500x4500(mm)
Weight		1500kg	3200kg	4500kg