

Continuous pre-expander (MQP)

EIDCO Continuous pre expander machines are the heart of our EPS production lines .it is the money maker due to its capacity in expanding any EPS raw materials to the exact required density, in addition to a very easy maintenance system.



Quality reveals itself in details

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Continuous Pre-expander

Features:

- Automatic pre-expanders have a fully automatic production cycle which controls, expanding, drying, sieving, and transportation to silo.
- First (one stage machine) and second (two stage machine) expansions are available.
- High efficiency in dealing with all types of EPS raw materials
- The inner and outer shell of the expansion chamber are made of stainless steel, and insulated to decrease energy waste.
- With steam pressure relief valve to control steam
- Screw automatic material loading system
- Automatic cooling system in case of electrical shut down

Type	EIDCO- PE 2580	EIDCO- PE 25100
Production		
First Expansion	16kg/m ³ 300kg/h 20kg/m ³ 400kg/h 25kg/m ³ 600kg/h	16kg/ m ³ 500 km/h 20kg/ m ³ 700kg/h 25kg/ m ³ 800kg/h
Second Expansion	Min 20m ³ /h Max 30m ³ /h	Min: 55 m ³ Max: 65 m ³
Dimension	length:4800 Width: 1500 Height: 4500	length: 5500mm Width: 750 mm Height: 4500mm
Expander Room	Diameter: Ø800 mm Height: 2500 mm Volume: 1,25m ³	Diameter: Ø1000 m Height:2500 mm Volume: 1,96 m ³
Bed Dryer	Length: 3500 mm Width: 500 mm Height: 1100 mm	length: 4000 mm Width: 600mm Height: 1250mm
Steam Pipe pressure	1 1/4" 0.5 bar	1 1/2" 0.5-0.8 bar
Air Pipe pressure	1" 7 bar	1 1/4" 7 bar
Condensate Pipe	3/4"	1"
Energy Consumption		
Steam		
First Expansion	100-180 kg/h	170-300kg/h
Second Expansion	120-250 kg/h	270-500kg/h
Air	0.15-0.25 m ³ /min	0.2-0.3 m ³ /min
Electrical Power		
First Expansion	18 hp	22 hp
Second Expansion	25 hp	28hp



In order to ensure quality control EIDCO reserves the right to undertake any necessary changes on the design, fabrics, and manufacturing of all types of its machinery

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