

**FORMAX**<sup>®</sup>

HERE BEGINS YOUR ULTIMATE VALUE

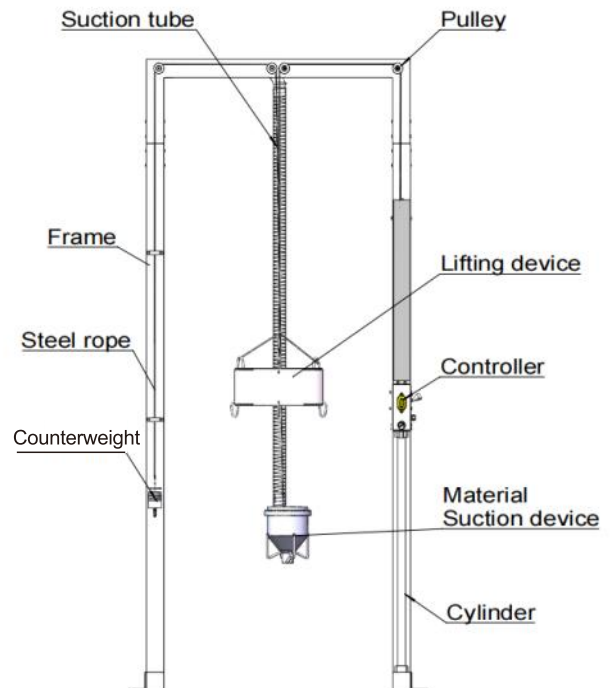
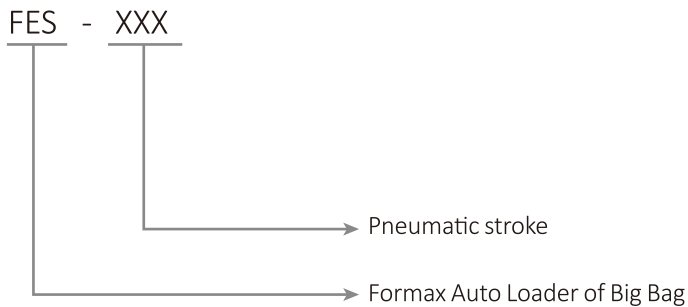
**FES** Series  
Auto Loader  
of Big Bag

FES-1200



Please read the brochure carefully before operation.

## ■ Coding Principle



## ■ Features

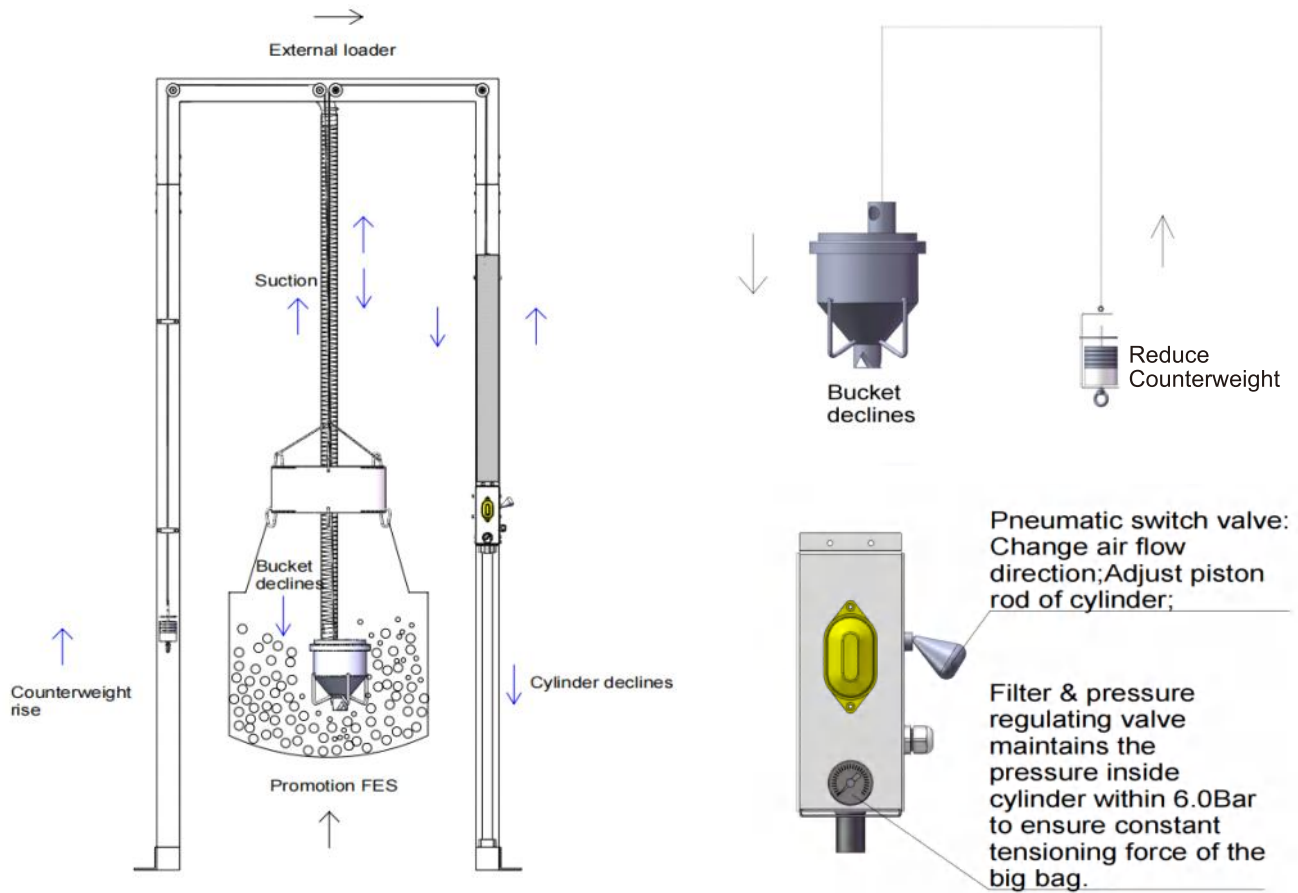
- Anti-sticky pillars at the suction inlet of big bag can effectively prevent suction suspension due to the bag involved into the suction inlet.
- Air refilling device on hopper cover can adjust the refilling inlet according to suction for convenience.
- Simple structure, strong loading capacity.
- Full-range loading without manual interference.

## ■ Application

The auto loader of big bag is applicable to loading, conveying, discharge of particles in plant; simple structure, strong loading capacity for wide applications in related industries.

## ■ Options

- As previous agglomeration characteristics, the piston reciprocating pneumatic vibrator is applied, and the vibrator connected with air pipe can vibrate after connection. Add "V" at the end of the model code.
- According to different big bags, fastener clamp is optional to tighten the big bag after it is directly hung on the ring. Add "S" at the end of the model code.



Start the pneumatic reversing valve to make cylinder rise, the lifting device will decline to fix the height of big bag. After fixation, activate the pneumatic reversing valve to make cylinder decline, the lifting device will tighten the big bag. Reduce the counterweight to make loader decline into the big bag for material suction. During the suction, the big bag gradually loses its weight until less than the tightening force. Then the big bag will be lifted up, and the bottom material can be sucked. Simultaneously, the cylinder reaches the limit and touches off the sensor and the alarm lights on, then the suction is finished.

■ Structure

Suction device



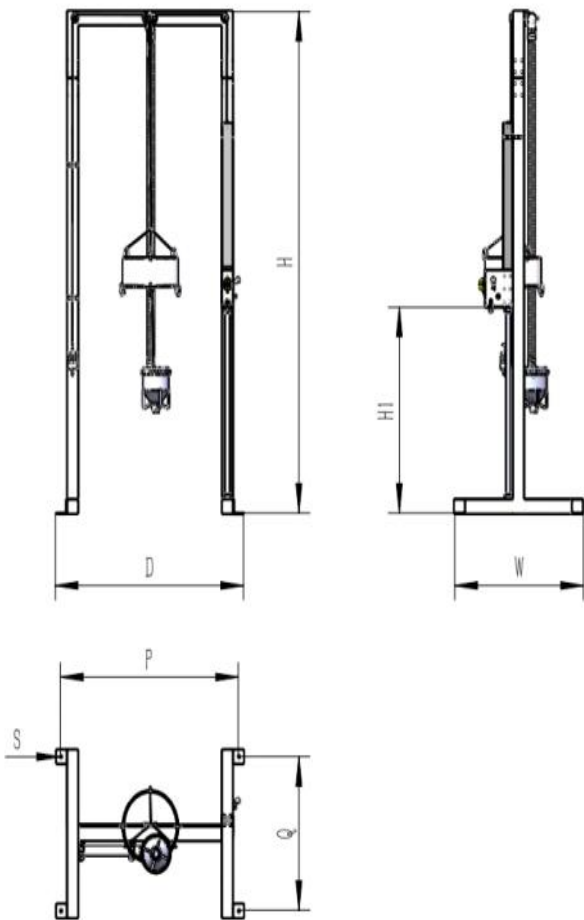
Air supply device: before material suction, open the air supply device and adjust the size of the inlet according to the suction situation for smooth operation.

A hopper hung by steel rope serves as suction device. It can rise and fall vertically since its weight is different from the counterweight. In addition, the air supply device can adjust material suction situation.

■ Cylinder Driving Force Table

Cylinder inner diameter	External diameter of piston rod	Motion Pattern	Stress area (mm <sup>2</sup> )	Air pressure(MPa)									
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	
63	20	Double action	Pressing side	3117	311.7	623.4	935.1	1246.8	1558.5	1870.2	2181.9	2493.6	2805.3
			Pulling side	2803	280.3	560.6	840.9	1121.2	1401.5	1681.8	1962.1	2241.4	2552.7

■ Outline Drawings



Model	FES-1200
Items	
D(mm)	1696
H(mm)	3462
H1(mm)	1421
W(mm)	1160
P(mm)	1604
Q(mm)	1060
S(mm)	4-ø18
Net weight(kg)	130

## ■ Specifications

Items	parameter	Model
		FES-1200
Cylinder stroke(mm)		1200
Cylinder pipe dia.(mm)		PT3/8
Cylinder withstand pressure(Bar)		15.0
Cylinder speed range(mm/s)		30~800
Loading pipe dia.(inch)		2
Full-extended height of the big bag (mm)		<1900
Power supply		1ø,220VAC,50HZ

We reserve the right to change specifications without prior notice.

# FORMAX®

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