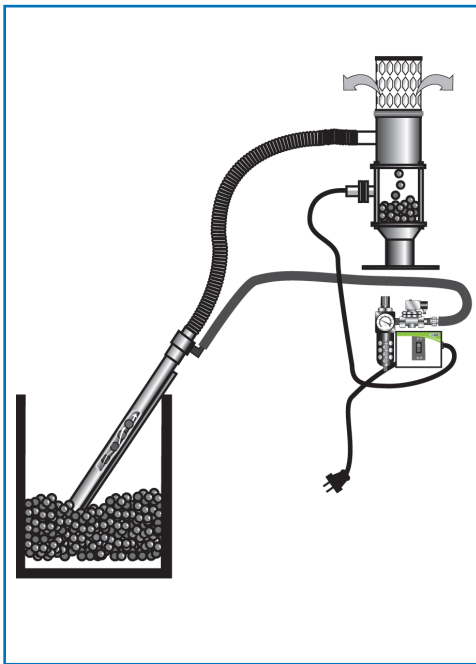


Simple, Quiet, Compressed Air Conveying

The compact TLA Tube Loader makes it easy to provide trouble-free loading wherever you need it. Using compressed air, the TLA's highly efficient venturi draws material from drums, bins or gaylords. From there, the material is pushed to the compact Tube Loader body that can be mounted to virtually any vessel or machine throat. Using a unique, low maintenance filter assembly, material is separated from the conveying air stream and deposited directly into a bin or machine throat. The wide-open Tube Loader body keeps material flowing without bridging and without a discharge valve common to other types of loaders. A demand sensor tells the TLA when to load and when it is full. Material flow is easily adjusted for throughput, conveying distance and air conservation with the included air-pressure regulator and gauge.



Models for Machine Throats, Hoppers and Bins



- ▶ **Quiet, minimal maintenance**
The TLA uses clean, quiet compressed air to move material.
- ▶ **Simple to install**
Mount on hopper lid or directly to machine throat. No flappers or obstructions to consider.
- ▶ **Up to 700 pounds {317.5 kg} per hour**
Fast response compressed air energy will keep your hopper or machine throat full.
- ▶ **Stainless steel construction**
Constructed of rugged, attractive stainless steel, the TLA will compliment your facility while demanding almost no maintenance.
- ▶ **Efficient filter media**
The slick, fine-mesh stainless steel "top hat" filter effectively vents compressed air out of the loader, yet resists the accumulation of material dust, minimizing the need for cleaning.

TLA Configurations Available

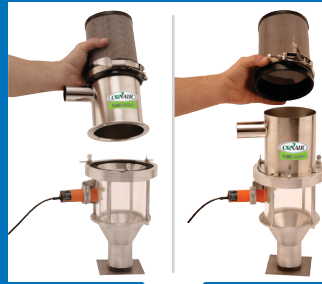


The hopper loading version fits directly on top of a machine hopper, or any other type of vessel. It is equipped with a demand sensor that may be height adjusted in the receiving hopper to maintain a specific level.

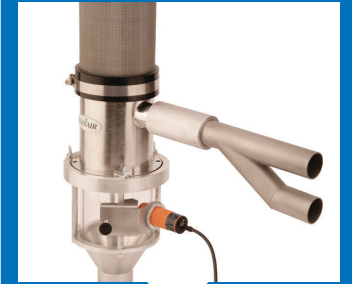
Note: Not for use on drying hoppers.



The remote outlet configuration includes a "zero pressure" cone below the TLA to prevent pressurization of the bin below and a body mounted sensor for safe use on drying hoppers. A length of flex hose or tubing is installed to the cone to direct loaded material. A Conair exclusive.

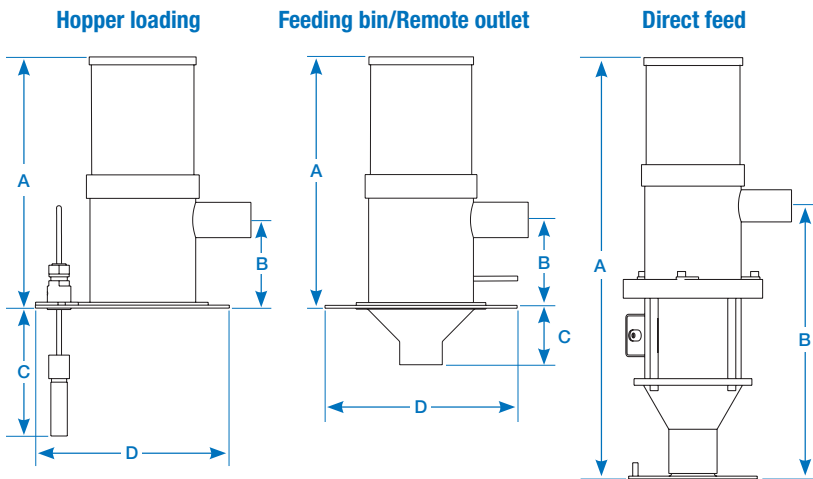


The direct feed version is equipped with a choice of a 1 or 2 lb. glass hopper that fits directly on your processing machine throat. The modular design allows easy disassembly for cleaning. The demand sensor may be shot-size adjusted up and down the glass hopper.



Ratio loading can be included by the addition of a "Y" tube, and a second venturi/pressure regulator set. Individual compressed air adjustments control simultaneous loading percentages.

Specifications



Loader Model	TLA
Maximum injection mold machine size	800 tons
Maximum extruder size inches {mm}	2 {50.8}
Recommended throughput* lbs/hr {kg/hr}	700 {317.5}
Maximum conveying distance ft {m}	20 {6.1}
Loader diameter inches {mm}	4.5 {114.3}
Loader volume ft ³ {liters}	0.1 {2.8}
Material/vacuum line size inches {mm} OD	1.5 {38.1}
Loader maximum temperature rating °F {°C}	180 {82}
Voltage	
50/60 Hz	120 VAC
Compressed air requirements	
Consumption @60 psi ft ³ /min {liters/min}	8.25 {233.6}
NPT fitting	3/8 inch
Filter area inch ² {cm ² }	62.4 {402.6}
Filter type	200 mesh stainless steel

Hopper Loading/Remote Outlet Models		
Loader Model	TLA	
Dimensions inches {mm}	Hopper Loading	Remote outlet
A - Height above mounting plate	10.8 {274.3}	
B - Height to center of material inlet	3.75 {95.3}	
C - Depth below mounting plate	3.5 {88.9}	4.5 {114.3}
D - Clearance hole diameter	6-5/8 {168}	
Mounting details See Figure 1		
Approximate weight lbs {kg}		
Installed	6 {3}	8 {4}
Shipping	26 {12}	28 {13}

Direct Feed Model (glass hopper)		
Loader Model	TLA	
Viewing chamber model	1 lb	2 lb
Viewing chamber capacity lb {kg}	1 {0.45}	2 {0.91}
Dimensions inches {mm}		
A - Height above mounting plate	20.3 {515.6}	25.5 {647.7}
B - Height to center of material inlet	13 {330}	18.25 {463.6}
Mounting details See Figure 2		
Approximate weight lbs {kg}		
Installed	10 {5}	12 {5}
Shipping	30 {14}	32 {15}

Specification Notes

* Throughputs are based on conveying typical materials from close distances. Specifications may change without notice. Consult with a Conair representative for the most current information.

