

# Small Package, Big Loading Performance

The compact TLM model Tube Loader makes it easy to provide trouble-free automatic loading wherever you need it. Without a traditional conical hopper, the exclusive tube loader design means that your materials will always flow easily from the loader with no bridging or interruptions. Although small, the TLM vacuum loader provides material loading performance comparable to much larger units with a 4.5-inch diameter discharge valve and up to 150 lbs/hr of material transfer. You can be sure that material will never become lodged inside the loader, holding up your production.



## Compact, Economical, Trouble-Free Loading

Available as both a hopper loader or a direct feed “throat loader,” the TLM’s compact size and ease of use make it a perfect fit for a wide range of loading needs.

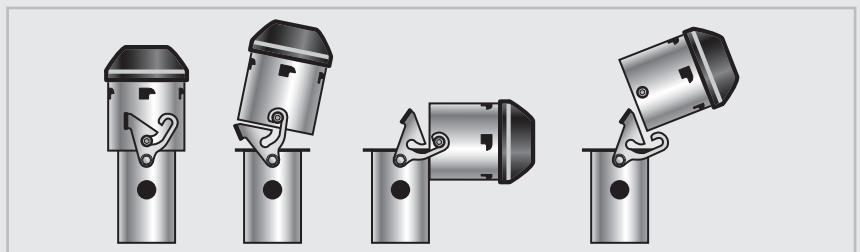
Quick disassembly features allow wide open access to the filter and loader body for fast material changes and filter maintenance.

The 3/8 Hp vacuum motor provides up to 150 lbs/hr {68 kg/hr} conveying at nearly 20 feet {6 m}. A blowback option extends filter life with an adjustable, independent filter cleaning cycle. Hose and feed tube are included so that your loader is ready to go to work, right out of the box.

A simple control package provides a user adjustable loading cycle to match your loading cycle to distance and material characteristics.

Add the ControlMate™ pendant remote control for advanced loading features.

- ▶ **Rates up to 150 pounds per hour**  
Keep your machines full with material conveyed from up to 20 feet away.
- ▶ **Optional remote on/off**  
Optional pendant on/off switch saves machine climbing or “plug-pulling” for easy on/off loader control.
- ▶ **All stainless construction**  
The TLM is constructed of 100% electropolished 304 stainless steel.
- ▶ **Easy-access hinged motor**  
No tools, swing clips open for easy maintenance.





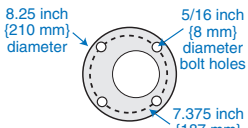
The **direct feed model** allows full view of material flow and may be mounted directly to machine throats. A range of capacities are available. An isolator valve may be added for machine throats that are not vacuum tight.



Use the **hopper loader model** to keep drying, blending and machine hoppers full of material. The large tube opening virtually eliminates material bridging.

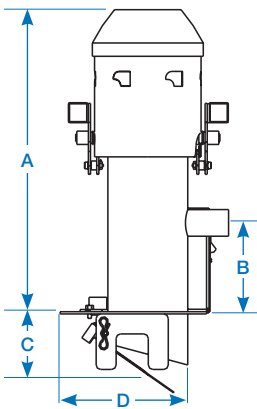
## Specifications

**Figure 1 - Hopper Loading**



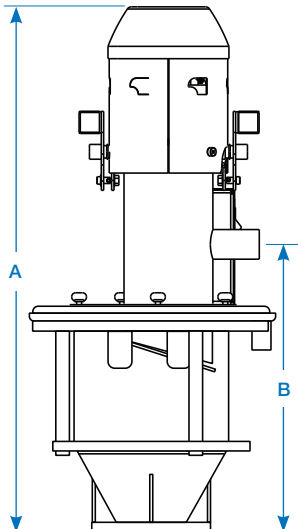
6-5/8 inch {167 mm} clearance hole required

### Hopper Loading

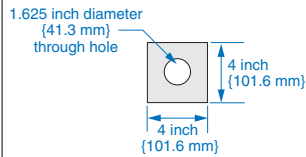


### Direct Feed

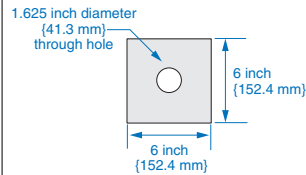
(Shown with 4 lb glass chamber and isolator valve.)



**Figure 2 - Direct Feed**



Direct feed glass hoppers require match-drilling to the machine throat.



Loader Model	TLM
Vacuum motor	3/8 Hp-2 brush
Maximum injection mold machine size	400 tons
Maximum extruder size inches {mm}	1.5 {38}
Recommended throughput* lbs/hr {kg/hr}	150 {68}
Maximum conveying distance ft {m}	20 {6.1}
Loader diameter inches {mm}	4.5 {114.3}
Loader volume cubic ft {liters}	0.1 {4.0}
Material/vacuum line size inches {mm} OD	1.5 {38.1}
Loader maximum temperature rating °F {°C}	180 {82}
Available voltages, 50/60 Hz	120/220 VAC
Amps @ 120 VAC	8
Amps @ 220 VAC	4
Compressed air requirements	125 maximum psi, 1.4 CFM, NPT fitting: 1/4 inch
Filter area inch <sup>2</sup> {cm <sup>2</sup> }	31 {201}
Filter type	Spun-Bond polyester

### Hopper Loading Model

Model	TLM
<b>Dimensions</b> inches {mm} †	
A - Height above mounting plate	15 {381}
B - Height to center of material inlet	5.5 {140}
C - Depth below mounting plate	5.0 {127}
D - Clearance hole diameter	6-5/8 {167}
<b>Mounting details</b>	See Figure 1
<b>Approximate weight</b> lb {kg}	
Installed	19 {8.6}
Shipping	42 {19.1}

### Direct Feed Model

Model	TLM				
Viewing chamber model	1 lb	2 lb	4 lb	15 lb	25 lb
Viewing chamber capacity lb {kg}	1 {0.5}	2 {0.9}	4 {1.81}	15 {6.8}	25 {11.3}
Isolator valve	option	option	standard	standard	standard
<b>Dimensions</b> inches {mm}					
A - Height above mounting plate	24.4 {619.8}	29.6 {751.8}	26.8 {680.7}	32.3 {820.4}	44.3 {1125.2}
B - Height to center of material inlet	12.5 {317.5}	17.6 {447.0}	16.8 {426.7}	22.3 {566.4}	34.3 {871.2}
<b>Mounting details</b>	See Figure 2				
<b>Approximate weight</b> lb {kg}					
Installed	20 {9.0}	22 {10.0}	46 {20.9}	48 {21.8}	77 {34.9}
Shipping	34 {15.4}	36 {16.3}	74 {33.6}	96 {43.5}	105 {47.6}

### Specification Notes

\* Throughputs are based on conveying virgin material from close distances. If you convey dusty materials and regrinds, we recommend ordering the optional compressed air blowback feature, and reducing the expected throughput to 75 lb/hr. Conveying at higher throughputs could result in shortened brush and filter life. For higher throughputs, ask about the DustBeater models or consult with a Conair representative about central vacuum loaders.

† The optional isolator valve adds 1.625 inches {41.3 mm} to the height.

All TLM Loaders are shipped with 15 ft {4.572 m} of flex hose and a vertical feed tube.

Specifications may change without notice. Consult with a Conair representative for the most current information.

