

D.L. George & Sons Mfg.

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The Model "T" An Economical Crowd Gate



The Model "T" Crowd Gate is designed to provide the benefit of increased parlor throughput and the rugged durability of a hydraulically operated crowd gate in those situations where there is no requirement for the gate to be raised and lowered. And, it's priced competitively with light duty cow trainer type gates. It works especially well in situations where the cows can be loaded into the holding area from the side or from the back using the optional load gate.

The Basics

The Model "T" Hydraulic Crowd Gate is designed to assist the operator in moving cows through the parlor to maximize efficiency. Many dairymen tell us that a crowd gate may be the most cost-effective means to increase cow throughput in today's dairy operations.

This crowd gate is built tough. The carriage is made of a structural steel I-beam and heavy structural angles. After fabrication the steel is coated with the same thermal spray galvanizing process that is used in many naval ships. The carriage moves backwards and forwards on UHMW rollers with stainless steel axles. The gate itself is made of high tensile strength square galvanized tubing.

A low maintenance hydraulic power unit is mounted right on the crowd gate carriage. The power unit turns a hydraulic motor to move the crowd gate backwards and forwards. A positive chain drive prevents slipping. The chain lays in the crowd gate track and is fastened at both ends and looped over a sprocket. The drive shaft spins sprockets on both sides of the crowd gate to keep the crowd gate moving evenly. Of course, there is an adjustable pressure relief valve on the power unit to prevent injury to the cows.

The carriage on this crowd gate is the same as our vertical lift crowd gate. The main difference is that the gate is welded to the carriage in a fixed position and does not slide up and down.

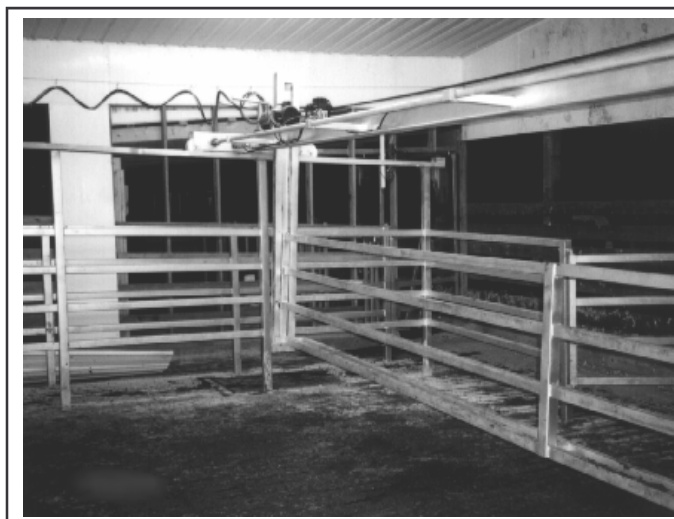
The Options

Timer to bring the crowd gate forward automatically or the crowd gate can be synchronized with the parlor entrance gates.

Buzzer or electric fence to help train cows.

Swing gate can be built into the gate to load cows from the back of the holding area.

Customized galvanized holding area fencing - the top rail is the channel to carry the crowd gate.



Efficiency gains are made by keeping the operator in the pit. This crowd gate makes it easy to bring a group of cows into the holding area and crowd the cows into the parlor without going back into the holding area. The operator then runs the crowd gate to the back of the holding area and loads the next group. This gate also works extremely well on smaller farms with only one



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**The Model "T"
An Economical Crowd Gate****Key Design Specifications**

Materials:

All 2" and 3" square tubing on the gate is 12 ga, with galvanized finish
 Carriage cross member is Structural I-Beam with thermal spray galvanized finish

All other steel components have either thermal spray galvanized finish -or- 2 part corrosion resistant paint finish

Headroom Recommended	108"
Minimum Height For Standard Configuration	90"
Crowd Gate Track Height recommended	78"
Track required on each side of the holding area	5" Channel x 6.7 lbs per foot
Crowd Gate travel distance maximum	200'
Crowd Gate width maximum	45'

Options available (custom pricing)

Buzzer and Electric Fencer

Customized gates for low headroom or high clearance applications

Customized holding area fencing

Custom controls packages

Swing Gate to let cows in from the back of the holding area

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Features and Benefits

<u>Feature</u>	<u>Benefit</u>
Dual Chain Drive backwards evenly	Mechanical simplicity, positive drive with no slipping, Gate moves forward and
Hydraulic Power Unit	Lower maintenance than air drive motors, No clutches like electric motors
Adjustable Pressure Relief Valve	Shunts oil past hydraulic motor to prevent putting too much pressure on cows
Adjustable Flow Control	Controls speed of travel
Structural Steel Carriage	Long term durability
UHMW Rollers/Stainless Axles	Low maintenance
High tensile strength square tubing on gate	Better strength and corrosion resistance than 2" pipe, since tubing is square it is much easier to weld than round pipe and you can expect greater durability at weld joints.
Factory supervised installation option	Ease of installation, reduced installation cost.