

# Gencor<sup>®</sup> Premium Silo

The Gencor *Premium* silo is designed for the Contractor focused on long-term or extended storage while still retaining all the special safety features you've come to expect from Gencor. Heavy rugged design, using wide-flange beams and massive leg frames set Gencor silos apart from others by providing many years of dependable life.

All Gencor *Premium* silos have a steep sided 60 degree tapered cone that forms a 36 in. discharge opening for smooth material flow. The cone is fully welded and gusseted around the perimeter to prevent bottoming out. The entire cone is enclosed and insulated by means of a sub-floor, comprising the floor section and safety gates.

The Gencor *Premium* silo is fully insulated against heat loss with 10 inches of industrial grade insulation in the upper deck section and 6 inches of insulation in the side-walls. The floor section also has 6 inches of insulation and the barrel of the silo is completely covered with a painted 18 gauge galvanized steel skin for years of dependable life.

A dual anti-segregation batcher with two opposing batcher gates charges the silo evenly without building a conical pile of material in the center. A unique central splitter section in the batcher provides a non-wearing surface of material that is virtually maintenance free. Two massive air drive cylinders open both batcher gates simultaneously to discharge two masses of mix evenly over the entire cross section of the silo. A feature of the Gencor *Premium* silo is the special batcher-lock system that ensures the gates remain closed over-night even with a loss of air pressure. A unique remote controlled fluid system seals the batcher gates when long-term storage is desired.

The main discharge gate on the Gencor *Premium* silo is a single independently driven clamshell that is electrically heated and fabricated from heavy steel. The discharge gate is fully insulated against heat loss with 2 inches of industrial insulation and is located well within the main frame of the silo to substantially reduce windchill. Two massive air cylinders are mounted for maximum power and are designed to close automatically in case of power failure and are protected by a low pressure safety switch which automatically closes the gate when air pressure drops below 70 psi. When long-term storage is desired a remote controlled positive fluid injection system pumps fluid into the gate creating a positive seal to ensure no air intrusion into the bottom of the silo.



The Gencor *Premium* silo is furnished with a thermal fluid cone heating system to aid in maintaining mix temperature. The specially designed heat exchange manifold is directly mounted to the underside of the cone and provides even heat distribution across the entire cone surface. This cone heating is vastly superior to competitive systems that create hot spots and coking of the mix. As a result, Gencor Premium silos have been proven to store conventional hot mix asphalt for extended periods without loss of mix quality when following the operating guidelines. Easy access to the cone heat manifold is provided by the airtight manhole in the floor section.

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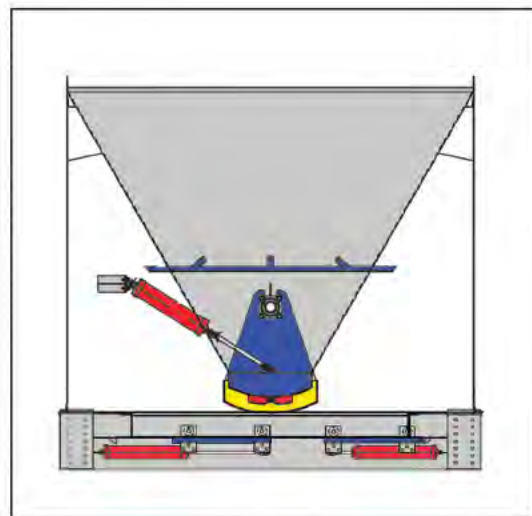
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Like all Gencor silos, you get our exclusive protection feature - dual independently driven safety gates that override the main clam gate to prevent accidental over-loading in the event the primary gate fails. The gate system has a separate electrical circuit and an independent air storage reservoir to provide adequate air to close the gates in the event of air supply failure. These gates are heavily insulated and seal off the main gate and cone section from the atmosphere when they are closed, greatly enhancing the storage capability of the silo.

Other Gencor standard silo features include a low, mid, and high mix level indicator and remote audible and visual signals located at the operator's station. All mix level indicators are fully serviceable from the outside of the silo for ease of maintenance.



Take a look at the many benefits of the Gencor **Premium** Silo:

- Steep 60° cone
- Batcher lock and fluid seal
- Main gate fluid injection gate seal
- Thermal fluid cone heat
- Anti-segregation batcher
- Thick industrial insulation
- Independently driven safety gates
- Electronic mix level indicators



Silo	Straight Length	Deck * Height	Total * Capacity
350	44'2"	71'	350 ton
300	39'2"	64'	300 ton
250	32'2"	56'	250 ton
200	25'2"	49'	200 ton
150	18'2"	42'	150 ton

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\* 120 lbs. per cubic foot and 12" drive height

**GENCOR INDUSTRIES, INC.**

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