



Magnum 90i™ VL Individual Indexing Parallel Stall with Vertical Lift Exit Gate

Elevate your milking operation to new heights with the vertical lift



engineering for
a better world

gea.com

Elevate your milking operation to new heights with the vertical lift!



The Magnum 90i™ VL stall automatically provides pre-indexed cow positioning. This results in proper udder presentation, and optimizes operator procedures, including unit attachment to improve throughput.

The fastest exit in the industry — for more turns per hour and a more efficient operation. The cow containment gates and posts move completely up and out of the way, allowing unobstructed cow exit. The exit gate lifts fully in four seconds or less, making sure that the stall structure is out of the way when cows pass underneath.

The sequence gates of the Magnum 90i™ VL lift up and out of the way — for faster operation and for unrestricted access to possible downed animals. The clear, flat floor surface allows for more efficient maintenance and is easier to clean.



The exit gate lifts fully in four seconds or less...

The sequence gate is spring loaded — for more efficient parlor operation. A spring positively pulls the sequencing gate into the load position after the cows exit. Therefore, there is a lower probability of short loading the parlor due to a single sequence gate being out of place when compared to gravity-operated sequence gates.

The sequence gate is level with an open loop — which is easier on the cows. The level sequencing gate does not hit a cow's hip bones like other parlors with slanted, gravity-dependent sequence gates. This open loop design also gives the barrel of the cow space, eliminating hard surface contact at the widest part of the cow.

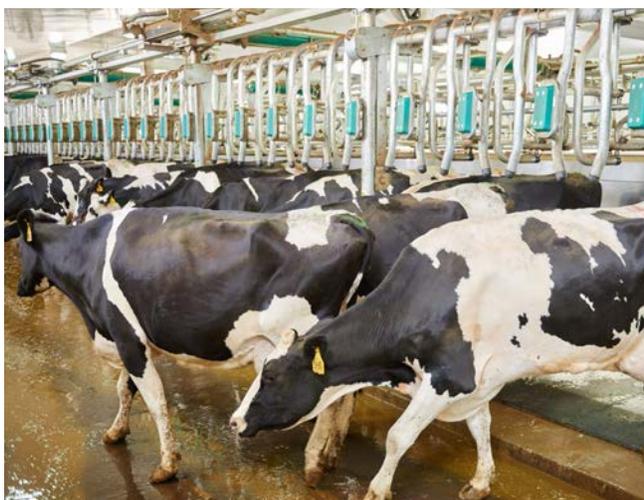
A wide entry area provides smooth cow flow — for safer milking and happier cows, ensuring cow comfort and easy exit.

The most standard clearance in the industry — standard 63" clearance beneath the main beam and under exit gates so even your largest cows can exit calmly and comfortably.

Fewer parts in concrete — allows for easier clean-up and faster cow flow.

The individual indexing of the Magnum 90i VL exit gate — also adds the benefit of better, safer milking. Cows of all different sizes are positioned properly in the stall. The indexing gate gently pushes the cow back against the butt pan, moving the udder closer to the operator. Benefits are seen in faster loading — the cow has lunge space to make the turn into the stall easier and faster. Cows can be milked faster with the cow ready and in the proper milking position as soon as she enters the stall. There is no waiting for the parlor to be completely full to index the cow into proper milking position. Cows are indexed based on their individual length, allowing them to stand comfortably.

The gravity-controlled exit gates — allow for comfortable cows and low maintenance. The exit gates use no springs or cylinders, only the weight of the gate (approximately 28 lbs./12.7 kg). The exit gate is designed to touch the cow at a specific point that encourages the cow to index with very little force.



...for the fastest exit in the industry



The heavy-duty construction of the Magnum 90i™ VL is designed for the demands of large, commercial dairies, milking 24 hours a day. The vertical lift exit gate allows for fast exit, increasing efficiency and turns per hour.

The individual gravity indexing gate positions the cow properly with individual release to allow for specialized cow management.

Magnum 90i™ VL Specifications

Main support posts	4½" O.D. galvanized with hot-dip galvanized rust shields (Stainless steel rust shields are optional)
Support arches	Galvanized box beam superstructure
Exit gate, sequencing gates and telescoping entry gates	Galvanized
Splash shield	11 gauge stainless steel
Curbing	Optional – 11 gauge stainless steel
Stall width	28 ¾"
Height required	137 ⅞"



The manual individual cow exit gate quick-release — is designed for specialized cow management. Individual cows can be released for special handling and sorting.





Magnum 90i™ VL features

Meeting your needs — no matter what is most important to you

Need	Advantage of Magnum 90i VL
Cow comfort	Open-center sequence gate allows for greater space for the barrel of the cow. With individual indexing, cows are positioned properly according to their individual length and size, allowing them to stand comfortably. The large air cylinder for the exit gate, with remote-mounted reserve air tank, provides smooth, even and rapid lifting of the exit gate (four-second lift time). This fast operation reduces the chance of exiting cows hitting the stall structure as they walk out.
Cow positioning	Individual indexing exit gate allows cows of all sizes to be positioned properly in the stall. It gently pushes the cows back against the butt pan, moving the udder closer to the operator. The entry gate closes at an angle to define the last stall, allowing for refined cow positioning for easy operator access.
Operator ease and safety	The manual, individual quick-release feature allows individual cows to be released for special handling and sorting. A fully-suspended splash shield (with no posts in the way of the operator) allows for safe, easy operator access during milking. The splash shield also allows for easier cleaning.
Throughput	The vertical lift exit gate includes cow containment gates and posts that move completely up and out of the way, allowing unobstructed cow exit. Sequence gates lift up and out of the way, providing unrestricted access to possible downed animals — with no delay. The sequence gate is spring loaded to allow for quicker loading, which pulls the gate into the load position after cow exit. This spring is easily serviced by the operator. Telescoping entry gate doesn't open against cow flow, so cows enter the parlor faster.



Optional Medallion™ cabinet keeps operators cleaner, reduces noise and protects parlor systems.



Open center sequencing gates provide optimum loading speed and comfort.



The large air cylinder for the exit gate, with remote-mounted reserve air tank, provides smooth and rapid lifting of the exit gate in only four seconds — the fastest in the industry. A single cylinder can lift up to 20 stalls.



We live our values.

Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA Group is a global engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX® Europe 600 Index.

GEA North America

GEA Farm Technologies, Inc.
1880 Country Farm Drive, Naperville, IL 60563
Toll Free: 1.877.WS.DAIRY or 1.877.973.2479

GEA Farm Technologies Canada Inc.
4591 boulevard St-Joseph, Drummondville, QC J2A 0C6
Toll Free: 1.877.WS.DAIRY or 1.877.973.2479

gea.com