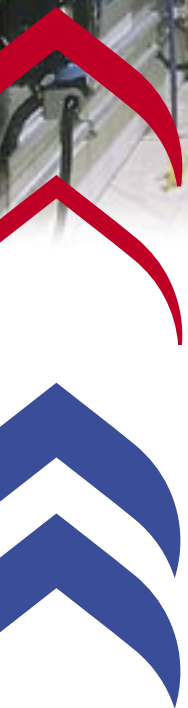




## DeLaval tandem stall

You will never be closer to your cows during milking than in a tandem stall



# Fully automatic cow traffic with individual cow handling

Now you can give your cows the individual attention they deserve during milking. When the cow is in the stall you have a full-length view and can reach her easily, making it easy to identify the udder health and overall status of each and every cow.

Once milking is complete, the system will automatically release the milked cow and introduce the next. DeLaval tandem stall enables cows to enter one at a time, without pushing each other or the milker. Cows tend to be more relaxed as they can see the milker at close quarters and dominant cows cannot interfere and upset the mood of the herd during milking.

## Taking the stress and strain out of milking

DeLaval tandem stall has a unique soft moulded pit edge that minimises the need for concrete structures and ensures the milker stands comfortably close to the udder. There is no need to twist sideways when attaching the cluster or inspecting the udder, reducing the physical strain of milking.

## Maintaining the well-being of your cows

DeLaval tandem stall means that slow milking, high yielding cows can receive the attention they need without delaying the entire herd. Cows can be kept healthy by being milked at their own speed and at optimum productivity.



Fast automatic milking.



A full length view of your cows.

## Assuring milker safety

The pit layout in DeLaval tandem stall allows the milker to move smoothly between cows, completely protected and clear of abrupt movements and unwanted attention from the cows.

## Achieving flexibility with ALPRO®

ALPRO® gives you a cow traffic management system that can be adapted to stall layout, traffic pattern and milking routine. The system's electronics compensate for irregular traffic patterns and as you get used to it, ALPRO® can be adjusted to speed up throughput without stressing your cows.

Simple electronic photo cells detect each cow's movement through the stall – according to the sequence below – and pass on information to the ALPRO® controller.

- When a cow leaves a stall, ALPRO® closes the gate behind her and opens the entry gate ready for another cow.
- The main gate opens and she enters the parlour. The gate then quickly closes, preventing another cow following into the parlour.
- The cow has plenty of time to walk to her stall, where the photo cell beam detects her and the gate is gently closed. The cluster can be quickly and smoothly attached.

- ALPRO® finds the next cow that has finished and removes the cluster. After a pause for the milker to check the udder, the stall exit gate opens letting the cow out and the cycle continues.



### Fast, automatic milking

Although relaxed compared to a herringbone parlour, a DeLaval tandem stall means surprisingly quick milking because the milker always has a new cow waiting. There is also no need to cull slow milking cows – sometimes the high yielders and best profit generators – since they do not hold up the herd.

### The semi-automatic alternative

A simpler alternative is also available and especially suitable for smaller herds. This includes a ‘start’ button for opening the main gate and a control box for each stall with push buttons for opening and closing the stalls.



Choose the level of automation that suits your needs.



Easy udder access.

When it is time for a cow to enter, the stall entrance gate is opened from the control box at the same time as the ‘start’ button is pushed. The main gate will open and the cow can walk through. The main gate then closes automatically behind her, triggered by a time-controlled photo cell. After milking, the exit gate is opened from the control box and the cow exits, leaving the stall ready for the next cow to enter.

“I have better contact with my cows when they’re walking freely and good eye contact with each cow during milking.

I also have a good view of their movements on their way to the milking parlour. The advantage with DeLaval tandem stall is that each cow receives individual attention, for example, I can let a slow milking cow take the time she needs without delaying the herd.”

**Peo Arwidson,  
Sandebo, Borsberga,  
Sweden.**



## Technical data

Parlour sizes:

<i>single side</i> <i>(left or right)</i>	<i>double side</i>	
1x2	2x2	2x2+1
1x3	2x3	2x3+1
1x4	2x4	2x4+1
1x5	2x5	2x5+1
1x6	2x6	2x6+1

Stall section:	2500 mm
Pit width at floor level:	2300 mm
Top:	2000 mm
Pit depth:	850
Length:	(no of stalls x 2500 mm) + 2120 mm

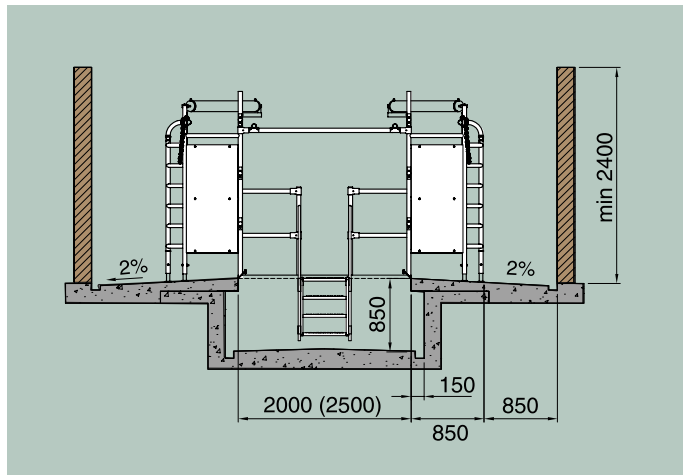
## Standard features

- Robust, hot-dip galvanised steel
- Bolted pit edge
- Robust main gate
- Vacuum cylinders for gate operation
- Safe stairs with non-slip surface
- Cow traffic with different levels of automation control

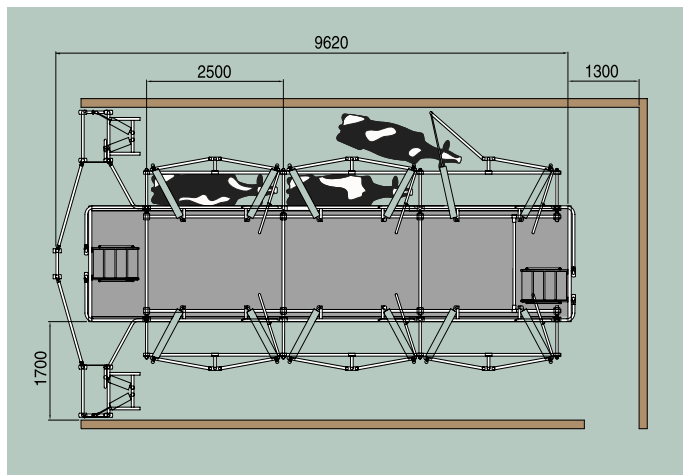
## Options

- Cantilever pit edge
- Push-out bar
- In-parlour feeding
- ALPRO<sup>®</sup> herd management system
- Stainless steel cabinet for ALPRO<sup>®</sup> connection.
- DeLaval adjustable floor

Cross section



Plan view



3D image

