



EB COLOUR CODE "IF" IN PARLOUR FEEDER

Improved Milking Efficiency

By virtue of its design and operation the system eliminates any time taken by the stockman for feeding. Dispensing the protein over a duration and coupled with advantages such as the automatic stall indexing:

- considerably increases the throughput of cows
- eliminates any potential unrest/stress, improving milk production
- dispenses feed with a high degree of accuracy and repeatability

All of which help improve milking efficiency and ultimately profit.

Having converted the complexities of yield and amount of protein to be fed into colours, the feeding operation becomes

fast, simple and faultless by means of the operators recognition of colour related to cow and the operation of the appropriate coloured button.

These are large, robust and spaced consistent with the hand and finger size of the operator, unlike methods utilising numbers on keyboards or digital displays where errors can occur simply by the unsuitability of the system to the operator's dexterity.

The system is kept simple by giving only five variations of feed volume, although factory set these can be tailored to the client's specification and calibrated for high accuracy.

A further refinement to the system is the automatic stall selection, when a selection

is made for the first stall it automatically advances to the next whilst indicating on the console which stall is ready for selection so there is no chance of losing position.

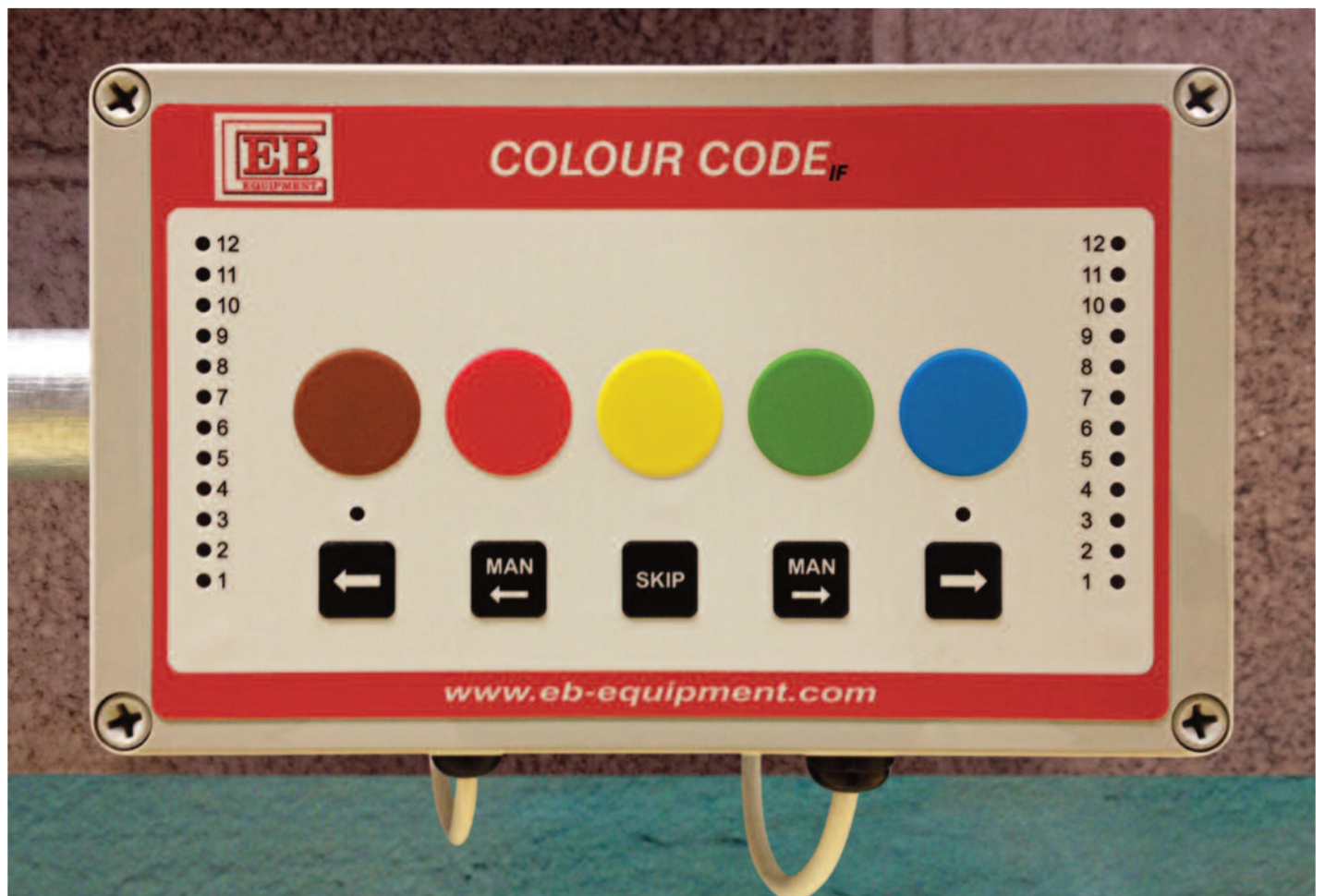
As the system is mains operated and having no need for auxiliary batteries its memories are unaffected by power failure.



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Push Button Console

The console consists of a compact, impact resistant plastic enclosure with a sealed lid, and is supplied complete with mounting hardware.

The coloured push buttons on the face of the console are easy to read and operate with the minimum chance of operator error due to their size and orientation.

The system also remembers the stalls that have been fed and automatically

advances to the next unit, so there is no waiting for a feeder to finish before another ration can be distributed.

A series of indicator lights are illuminated showing which manger or stall will be fed when the next coloured button is pressed.

A manual advance button is provided which allows the operator to miss/skip any stall.

A change over switch is incorporated for initiating the feeding cycle on the other side of the parlour.

An override button is provided which will dispense feed to all points in the unlikely event of a control system failure.



Hopper / Drive Module

A great deal of thought was put into the design of the hopper, manufactured from impact resistant plastic, designed without sharp transitions and shallow angles. This not only provides greater longevity over steel construction but also ensures a consistent flow of feed be it a meal blend or pellets. Also reducing the potential for product to become bridged/trapped, which could cause feeding inaccuracies as well as product deterioration and blocking the module.

Distribution of the feed is via the EB centreless auger coupled with a high efficiency, robust, low voltage motor/gearbox. As the motor is 24Vac synchronous it has no brushes therefore

maintenance free, a further advantage is the low current consumption.

As feed is dispensed on an incline, this reduces the possibility for feed to be knocked out of the module by the cow; coupled with the "floating" drop pipe eliminates the risk. A further advantage of the "floating" outlet allows moisture from the cow to dissipate rather than enter the feeder causing condensation.

The Top of the feeder has a removable lid for inspection and cleaning whilst providing the support facility for either a 75mm or 90mm conveyor to fill the modules.

Technical specifications

Supply voltage	24Vac
Maximum current	710 mA
Capacitor	42 μ F
Final Drive	30 rpm
Torque	2.2Nm
Feeder Output	1800-2000 gram/min
Hopper Capacity	approx. 20 ltr
Auger Rotation (from rear)	Anti-clockwise

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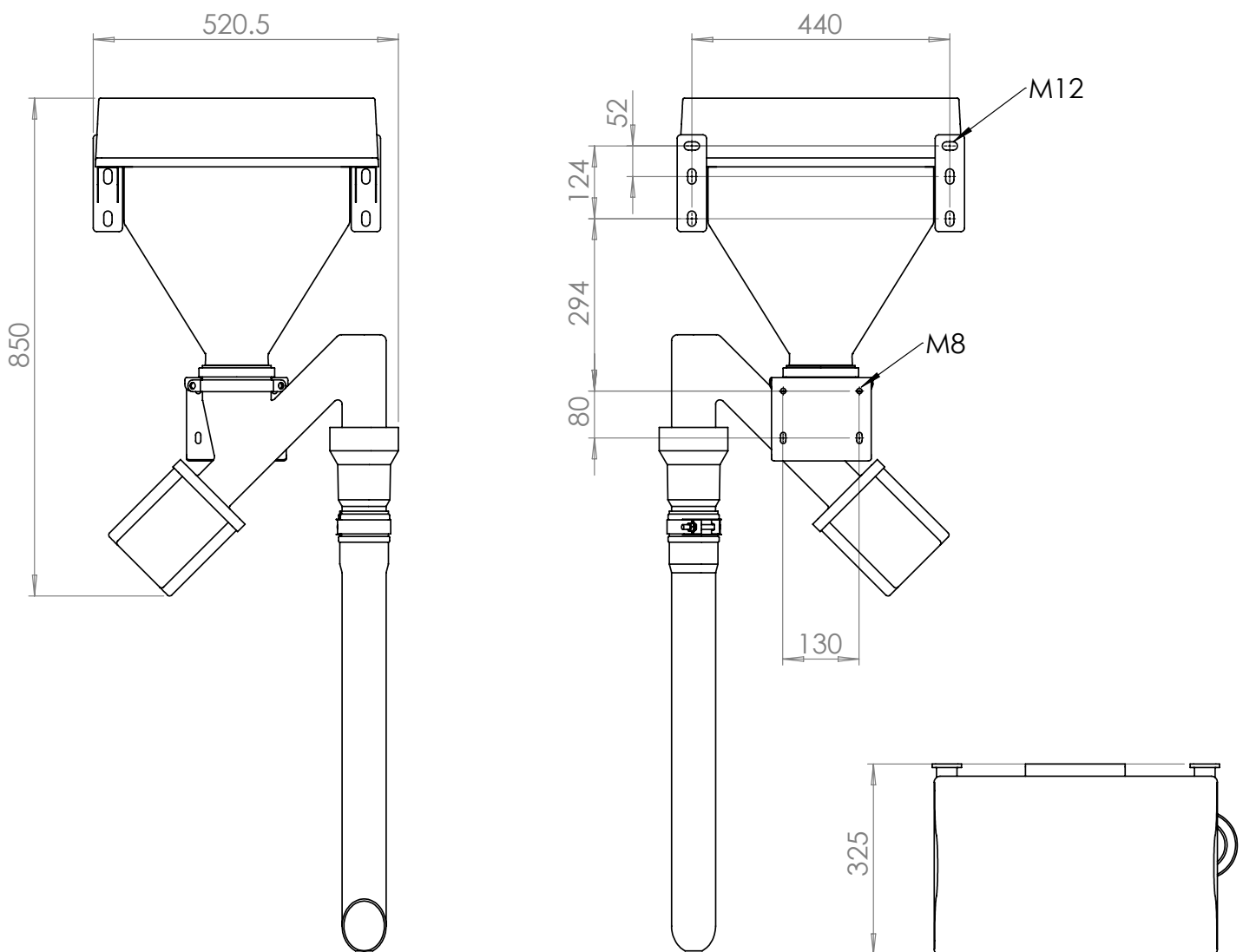
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Technical Illustration



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