



VDL AGROTECH



ON TRACK TO PERFECTION
CHAÏNOVATION
CHAIN FEEDING SYSTEM

INNOVATIVE LIVESTOCK TECHNOLOGY



CONTINUOUS FEED DISTRIBUTION



7-POSITION FEED LEVEL REGULATOR.

CHAINOVATION

WIDELY APPLICABLE AND HIGHLY RELIABLE

The Chainovation chain feeding system, developed in cooperation with breeding associations, is an extremely reliable system. Feed can be distributed through the feed trough at various speeds (max. 3000 kg/hour), giving all the birds almost simultaneous access to the feed. This reduces stress inside the poultry house and promotes animal welfare and animal health. Selective feeding behaviour is prevented, feed spillage is minimized and the system offers better control and selection possibilities.

ALWAYS THE RIGHT DOSE

The 7-position feed level regulator ensures controlled and user-friendly adjustment of the feed dosage. The powder-coated and galvanised hoppers, trough dosing units and corner feeders are all equipped with this practical and unique 7-position feed level regulator.

CONTINUOUS AND UNIFORM DISTRIBUTION OF FEED

The unique feed return wheel ensures that remained feed is pushed back into the hopper, resulting in continuous feeding and uniform feed distribution. An optional sensor is available for empty detection of the hopper.

MINIMAL FEED SPILLAGE

The wider edge of the Medium trough prevents feed spillage. The feed level remains low because the circuit runs continuously and the return wheel prevents the feed trough from overflowing.

MODULAR, EASY-TO-INSTALL SYSTEM

We offer a wide range of options and accessories for installing the optimal set-up in the house to suit every requirement and situation.



DETACHABLE HOPPERS

➤ DURABLE CORNERS

- Corners are available in 90° and 135° versions
- Finished with epoxy powder coating to prevent corrosion and wear
- Cast iron corner wheel and self-lubricating bronze bearing
- Supplied with a cover; this can be extended with a reinforcement plate for extra stability
- Ascending and descending corners are optionally available
- A feed cleaner removes contaminants larger than 10 mm from the feed

➤ STRONG CHAIN AND SPECIAL DESIGN FEED TROUGH

- High quality, reliable and maintenance friendly feed transport chain
- High tensile strength allows longer circuits
- Normal and Medium feed troughs made of 1.25mm thick galvanized sendzimir sheet metal
- Various accessories are available, such as:
 - Chicken flipper: prevents that chicks end up in corners, hoppers, feed cleaners or drive units
 - Cleaner trough: empties the feed circuit and drains rinsing water during cleaning operations

➤ GRILLS AND A-FRAME

- Feed troughs can be fitted with a grille or A-frame, depending on the type of bird
- Various grille shapes and grille sizes are available for supported and winched systems
- Anti-perch grille is available for winched systems
- A-frame system with 3 perches (perch space is 15 cm per hen), supported or winched, is available for free range egg-laying hens

➤ CHAINOVATION

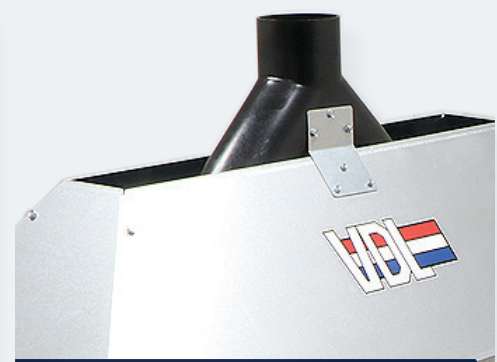
- Efficient, sustainable and maintenance-friendly
- 7-position feed level regulator to control the outgoing feed quantity
- Selective feeding behaviour is prevented
- Minimal feed spillage
- Better control and selection possibilities
- Supported and winched systems available
- Quick and easy installation



FEED RETURN WHEEL



EASY WINCHBLE



FEED DISTRIBUTION



CORNERS AND FEED CLEANERS



UNIFORM DISTRIBUTION OF FEED



DIRECT DRIVE

TECHNICAL DETAILS CHAIN FEEDING SYSTEM

Type	Dimensions (LxWxH, excl. drive units, mm)	Content (liters)	Capacity ^a (kW)	Chain speed (m/min.)	Length (max.)	Corners 90°	Number of circuits with direct drives (see below)
CH-90D VC-90D	585x585x490	90	*	*	*	*	1 circuit
CH-180D VC-180D	585x1150x490	180	*	*	*	*	1 circuit
CH1-180	714x586x700	180	*	*	*	*	1 circuit
CH2-220	714x672x700	220	*	*	*	*	2 circuits
CH-35L CH-35R	563x563x420	35	0,75 1,10 1,50	12 m/ min 18 m/ min 18 m/ min	1x 175 m 1x 150 m 1x 175 m	(1)+3	Not applicable
CH3-350 HD	945x758x700	350	0,75 1,10 1,10 1,50 2,20 2,0 / 2,40	12 m/ min 12 m/ min 18 m/ min 18 m/ min 36 m/ min 18/ 36 m/ min	2x 125 m 2x 150 m 2x 100 m 2x 150 m 2x 100 m 2x 125 m	2x4 + 1x4	1 circuit
CH3-350 DD	945x758x700	350	*	*	*	*	3 circuits
CH4-400 HD	945x844x700	400	2x 0,75 2x 1,10 2x 1,10 2x 1,50 2x 2,20 2x 2,0 / 2,40	12 m/ min 12 m/ min 18 m/ min 18 m/ min 36 m/ min 18/ 36 m/ min	4x 125 m 4x 150 m 4x 100 m 4x 125 m 4x 100 m 4x 125 m	4x4	Not applicable
CH4-400 DD	945x844x700	400	*	*	*	*	4 circuits

^a The motor power as indicated is based on 3-phase motors under normal circumstances.

* Values according technical specifications direct drives.

TECHNICAL DETAILS DIRECT DRIVES

Shaft diameter (mm)	Capacity ^a (in kW)	Chain speed (m/min.)	Circuit length (max.) (m)	Number of corners	Number of direct drives	Number of hoppers (max.)
35	0,75	12 m/ min	300	4	1	1
			250	4	1	2
35	1,10	18 m/ min	250	4	1	1
			200	4	1	2
35	2,20	36 m/ min	250	4	1	1
			200	4	1	2
25	0,55	12 m/ min	300	4	2	2-4
			175	4	1	1
25	0,75	18 m/ min	300	4	2	2-4
			150	4	1	1
25	1,50	36 m/ min	300	4	v	2-4
			150	4	1	1

WANT TO KNOW MORE?

Do you want to learn more about our chain feeding solutions? Scan the QR-code to visit the website and watch the product-specific videos, or contact us via the details on the right side.



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