

Forward to the world  
**Venco Korea**  
CO., LTD.

● TECHNICAL

● HIGH QUALITY



● INNOVATION



Venco Korea CO., LTD. is  
committed to innovation in quality,  
technology and price.



## VENCO KOREA CO., LTD.

VENCO KOREA CO., LTD. since established in 2018 has been concentrating its primary efforts on the popularization of the competitive technical specifications as well as the advanced and automated livestock machinery while pursuing advancement of the livestock industry.

VencoKorea is currently gaining more and more recognition among the peoples in the industry concerned both in domestic and overseas with its reasonably competitive price & reliable quality.

## Business areas of subsidiaries

### Gunji

Automated machinery production/ facilities and provision of entrie systems for livestock-raising.



### Gunji Agricultural Corporation

Directly controlled farms designed for production of large broiler chicken and with the lastes facilities and elevated chicken houses.

## History



**2018** Nov. Establishment of Venco Korea Co., Ltd.

**2013** Jun. Gunji Corporation established a research institute affiliated with the company.

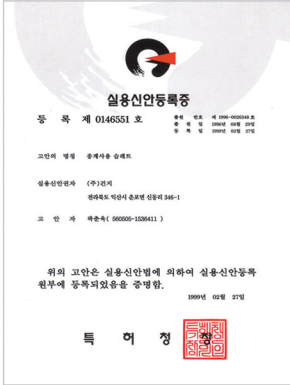
**2009** Dec. Established Gunji Agricultural and Stock Farming Machinery Limited Company (Dalian) in China.

**1995** Nov. Incorporated as Gunji.

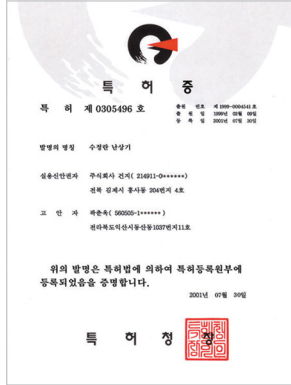
**1990** Apr. Established Gunji Korea Stock-raising Industry.



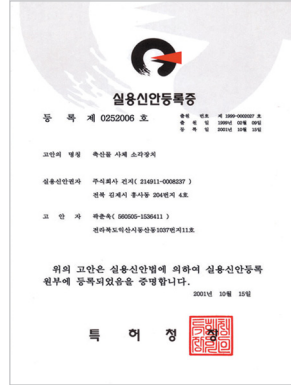
# Technologies



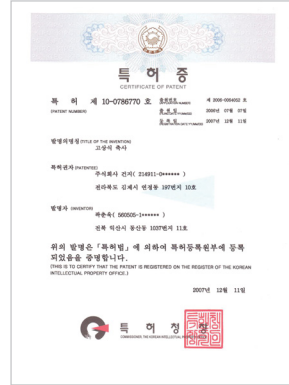
[Patent certificate] Use of breeder



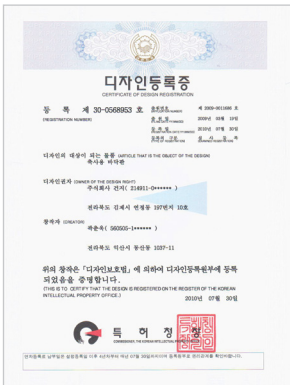
[Patent certificate] Fertilized eggs handling systems



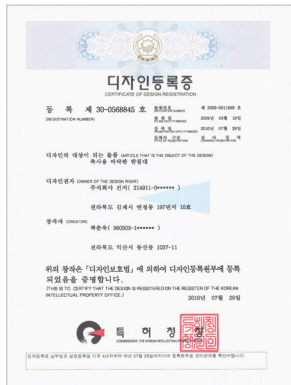
[Patent certificate] Livestock corpse incineration systems



[Patent certificate] Elevated stables



[Design registration certificate] Stable floor mats



[Design registration certificate] Stable floor mat supports



[Patent certificate] Elevated stables with a poultry shipping system



[Patent certificate] Farrowing concrete slats for pigs and relevant manufacturing methods



CE certificate (Disk-type feed systems)



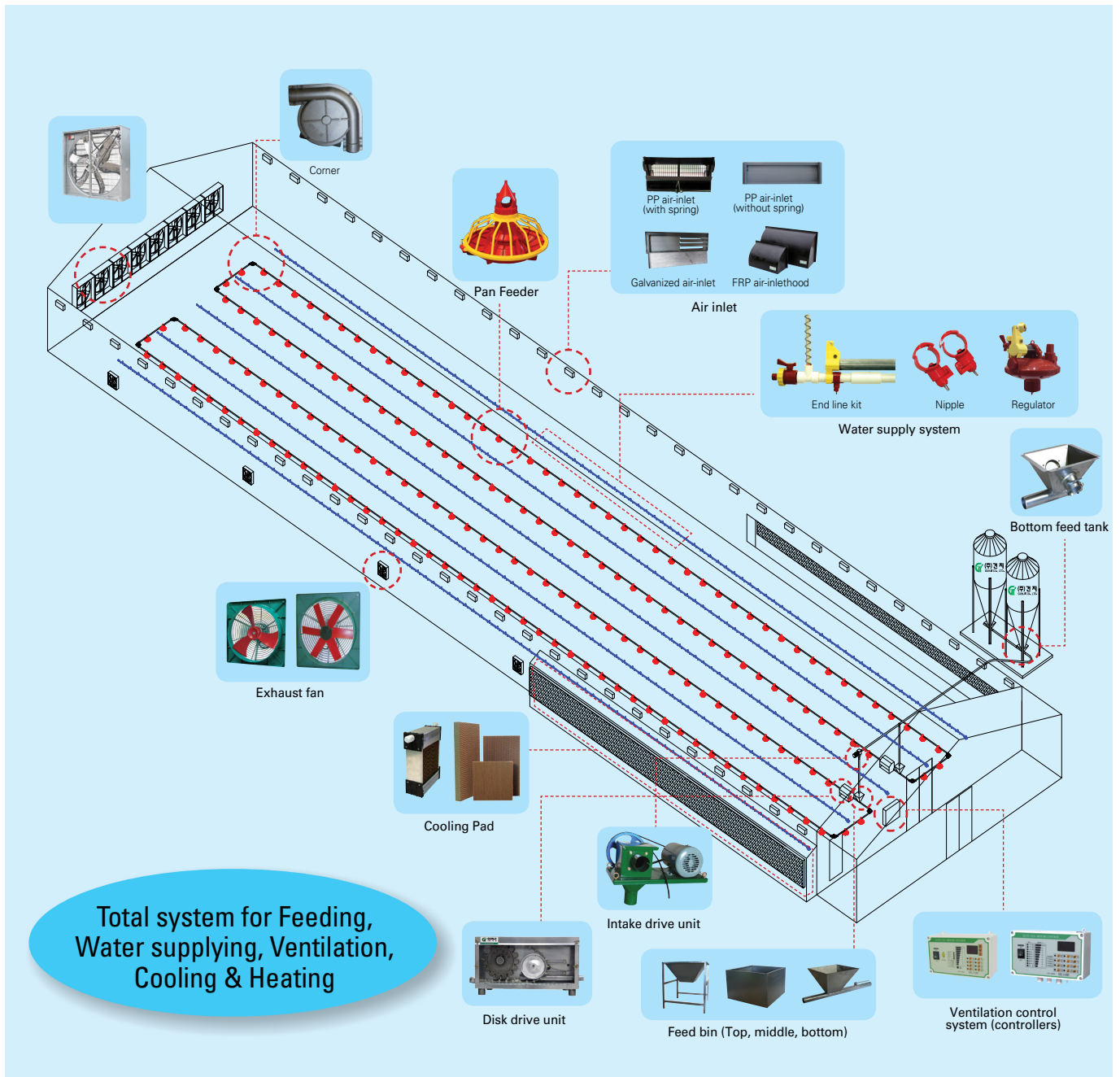
CE certificate (Lifting)



CE certificate (Auger-type feed systems)



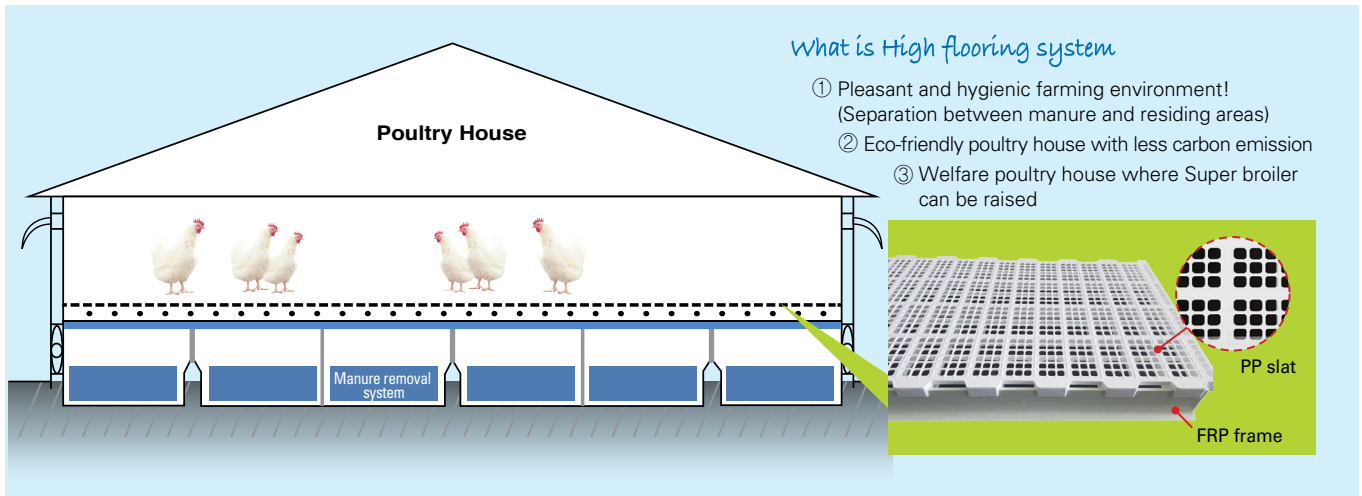
CE certificate (Auger-type feed systems)



## Products

- Feeding : Auger feeding, Disk feeding, Sensor, Intake auger system
- Water supplying : Nipple system, Bell type, Medicator
- Ventilation : Exhaust fan (50, 36, 24, and 20 inch), Air blowing fan (40 inch), Circulation fan, Air inlet, Inlet hood, Control system (controller)
- Cooling & Heating : Cooling pad, Fogger, Heater
- Others : High-pressure washing machines, Measuring equipment, Disinfection products
- Compost facility

# High Flooring System \_ ANYWEL HOUSE



## Excellence in High flooring system (Patent No. 10-0786770)

- 1) The poultry is raised on the plastic slat.
- 2) The manure drops to the bottom and discharged out by manure removal system.
  - Increase productivity
- 3) The fresh (cold) air from outside is mixed with upper (warm) air, prevent temperature change in sudden.



## High flooring system vs. Normal flooring farm (with litter)

Classification	High flooring system	Normal flooring farm
Floor state	Chickens reside on plastic slats elevated at a certain height and the manure drops to the bottom.	Chickens are raised on litter such as chaff or sawdust, reside at unhygienic environment with manure
Raising environment	The manure is dropped to bottom and discharged out by removal system to separate chickens from dirty environment	The animal and manure exist together in the same space.
Litter	No need	Necessary to be replaced with new litter whenever placing new chicks
In summer	Cooling effect from smooth ventilation in the space due to the elevation to a certain height	The productivity of chickens decreases when the temperature of house inside goes up drastically due to the heat from manure fermentation.
In winter	Saving heating cost because chickens are raised in a space with warmer air than on the bottom floor	Generation of harmful gas due to the heat from manure fermentation



## Broiler Pan feeder



### Broiler pan feeder (Yellow type)

**① Easy to assemble and clean**  
Can be cleaned easily and conveniently by using high-pressure water spray based on rotation-type lock and unlock system.

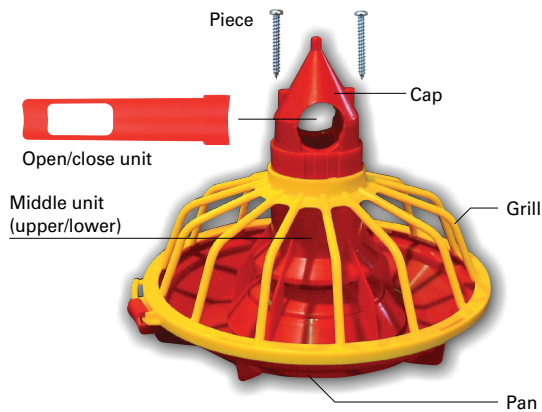
**② Enhanced accessibility**  
Able to use from chicks to chickens before slaughter by adjusting the middle unit

**③ Minimized loss of feed**  
Can adjust the volume of feed in 3 stages

**Pan feeder for broiler (Yellow type)**

**Initial stage :**  
Supplies feed through the outlet on the side of the middle unit  
→ Access enhanced for chicks through the feed supply at the height of the pan feeder.

**Later stage :**  
Supplies feed through the outlet on the bottom of the middle unit  
→ Supplying only inside the pan



- Yellow type (43ø) : 14 grill
- Components : Grill + Middle unit (upper/lower) + Disk pan + Cap + Open/close unit + Piece

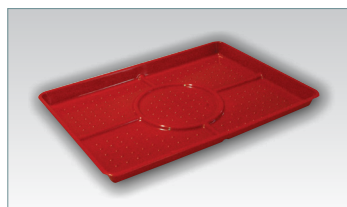


- White type (43ø) : 16 grill
- Components : Grill + Middle unit + Disk pan + Cap + Open/close unit + Piece

### Chick feeder



Chick feeder (round type)



Chick feeder (rectangle type)



Chick outlet

## Breeder pan feeder



Breeder pan feeder (Female)

- $\phi 42/\phi 48/\phi 60$
- Spiral feeding control in various quantities by 100g, starting from a minimum of 250g
- Spacing control by 1mm, starting from a width of 38~46mm



Breeder pan feeder (Male)



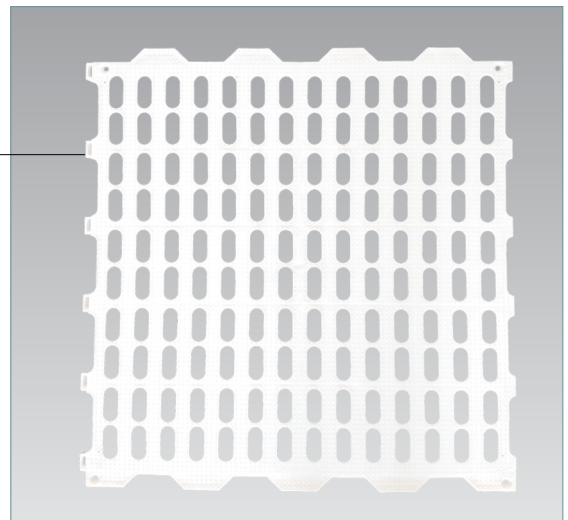
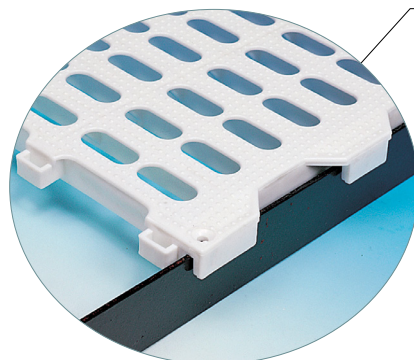
No need scales

Measurable feeder for breeder

## Slat for breeder

### PP slat for breeder (600×600)

- Possible to use semi-permanent
- PP material with UV function. (pp u.v.)
- Designed for manure removed very easy
- Non-chemical change.
- Rapid, easy installation
- Labour saving
- Strong combination structure



## Auger feeding system

### Auger drive unit



0.75kw, 5:1

- Components: Drive unit body + Geared motor (reducer+motor) + Limit sensor
- High-efficiency motor (3-phase)
- Dual safety device applied
- 43ø, 48ø

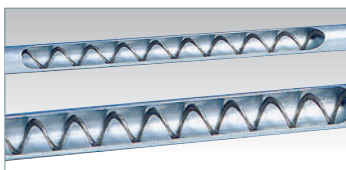


Auger hopper



Control box (Single phase / 3-phase)

### Auger line section



- Auger spring and auger pipe
- Highly durable and flexible auger spring used
- 43ø, 48ø



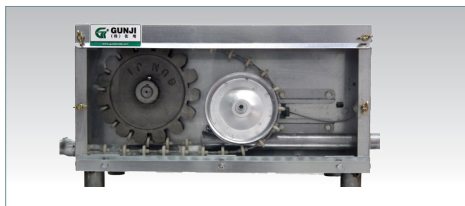
Pipe connector



Sensor

## Disk feeding system

### Disk drive unit

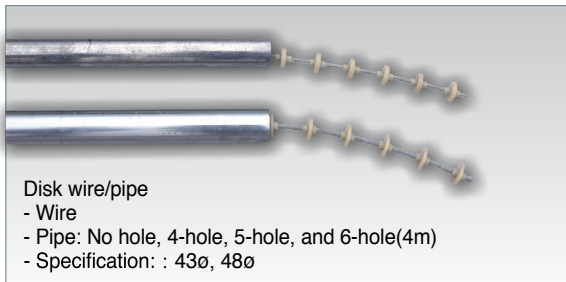


- 43ø, 48ø
- Components : Drive unit + Gear + Roller + Reducer + Motor + Spring + Acryl



Control box (Single phase / 3-phase)

### Disk line unit



Disk wire/pipe

- Wire
- Pipe: No hole, 4-hole, 5-hole, and 6-hole(4m)
- Specification: : 43ø, 48ø

- Components : Disk wire/Pipe + Corner + Pipe connector + Wire adjuster / Pipe hook + Connection ring/Couple ring



Disk corner

- Top/bottom plates, wheels, washers, bolts/nuts can be sold separately.



Pipe connector

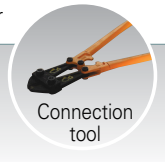


Sensor



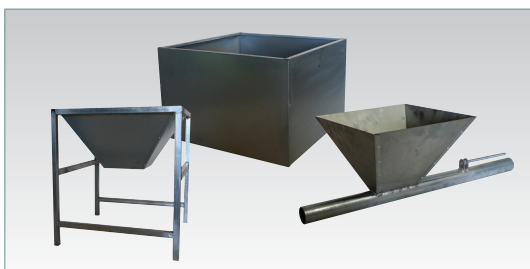
Connection ring / Couple ring

- To be used when connecting with the disk wire
- Size : 43ø, 48ø (\*Connection tool can be sold separately.)

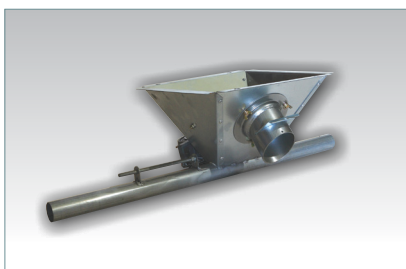


Connection tool

### Hopper



Auxiliary bins (top, middle, bottom)



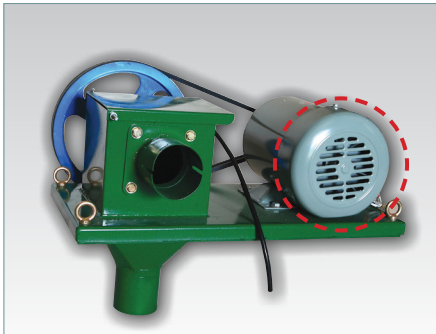
Bulk hopper  
- Single/Dual, 43ø, 48ø - One way / Dual way

- Prevents a bottleneck of feed inside by internal vibrator
- Transport volume can be adjusted
- Components : Hopper + Iron plate + Flange

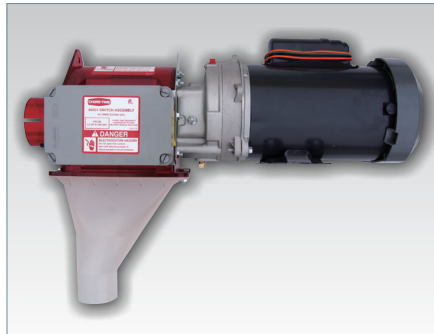


## Intake system

### Drive unit



Belt-type drive unit:  
Single phase (1.1kw), 3-phase (1.5kw)

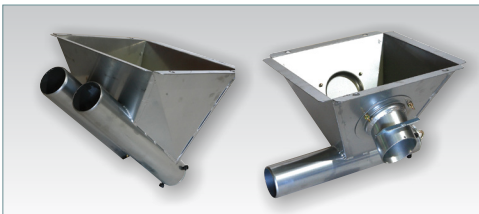


Gear-type drive unit (0.75kw)



Intake controller (Single phase / 3-phase)

### Bottom feed tanks

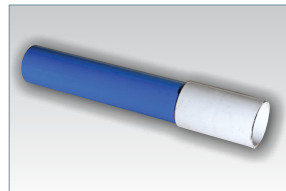


Bottom feed tanks  
- Single/Dual – One way / Two way, 45°  
- straight/slope type

### Intake line section



Intake auger (60mm)

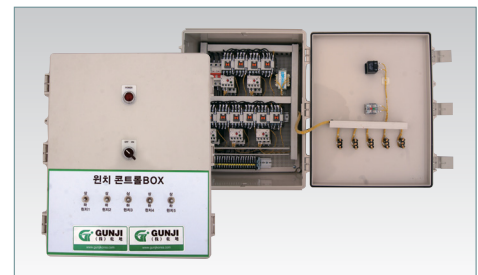
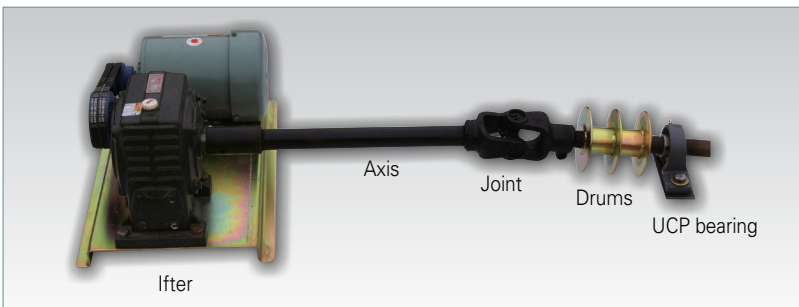


HDD pipe and pipe connector  
(6m, 75mm)

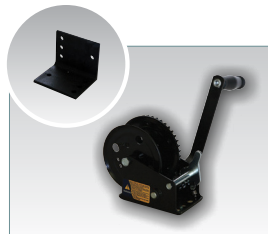


T drop (for 75 mm)

## Lifting system, controller



Winch controller



Manual winch  
- 1,400lbs – Bracket included



Manual winch  
- 1,500lbs



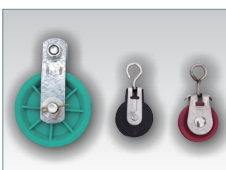
Manual winch  
- 2,000lbs



Manual winch  
- 3,000lbs



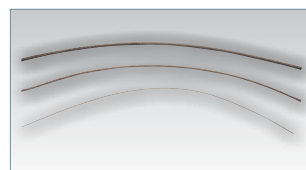
Electric lifter switch  
- Single phase / 3-phase



Pulleys (Large, middle)  
- Large : 90mm(PP)  
- Middle : 48mm(PP)  
48mm(Stainless steel)



Wire clips (1/8", 3/16")  
Wire clips  
S hook

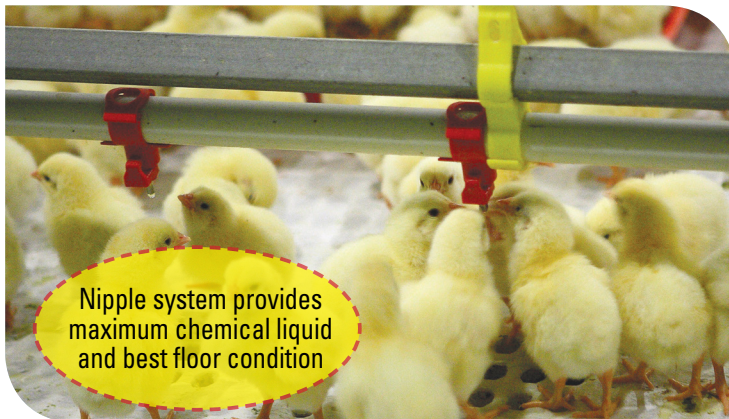


Stainless wire (3/16", 5.0mm)  
Stainless wire (1/8", 3.8mm) Anti perch wire (1.2mm, Stainless)



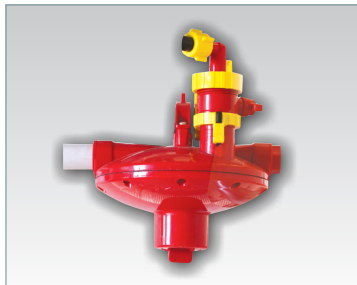
Pipe hook/Wire adjuster

## Water supply system



### Features

- Durability : Robust and complete assembly structure  
Highly shock-resistant, maintaining solidity and securing flexibility
- Reasonability : Easy to separate and distribute water supply points
- Effects : Expanding of farming area and guaranteeing of freedom in moving around
- Compatibility : Highly compatible with water supply systems
- Economical feasibility : Can be cleaned easily without the need for disassembling and assembling
- Quality : Main parts of the snap nipple are manufactured using high-quality stainless steel
- Maintaining of dry condition of floor : Prevention of water dropping or excessive water supply

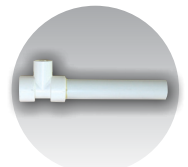


### Regulator (water pressure controller)

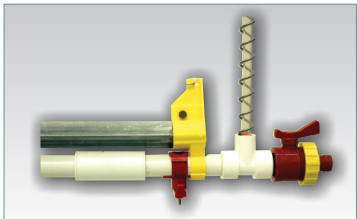
- Inlet water max. pressure = 2 bar (28 PSI); Outlet water max. pressure = 0.1 bar (1.4 PSI)
- Components : Water supply kit body + Direct water supply valve + Spiral hose + Spiral hose connector



End valve  
(3/4" M-3/4" M tap)

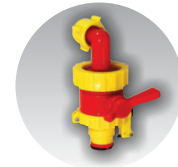


T Shape



### End line kit (drain valve)

- Round pipe (ø26.6)
- Components : Valve + T shape + Water pressure check hose set

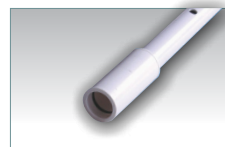


Direct water supply valve



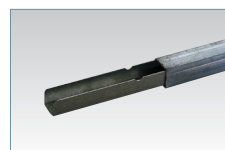
### Nipple

- No water leakage due to a water supply pin not only made of stainless steel but also made through precision processing (Chemical liquid amount 35 µl/min)
- Water can be supplied in any direction of 360°, easy to detach and attach due to the snap-type connection (with Round pipe (ø26.6))



### Nipple (PVC) pipe / slide connector

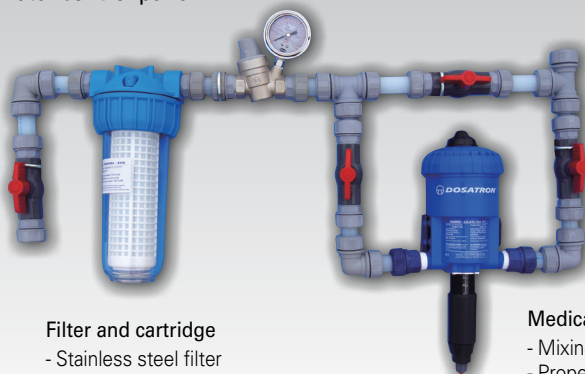
- 12 holes / 15 holes (25 cm / 20 cm interval)
- Strong, flexible and round plastic pipe
- Can be assembled and disassembled easily without using adhesive



### Zinc pipe/ Zinc pipe connector

- 25mm×25mm (Length 6m)
- Prevention of sagging/distortion of the nipple pipe
- Insertion type connector for easy connecting

### Water control panel

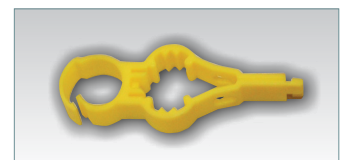


Filter and cartridge  
- Stainless steel filter  
- Thread filter

### Medicator (Dosatron)

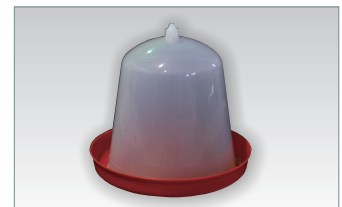
- Mixing ratio : 0.2~2%
- Proper amount : 0.02ℓ~50ℓ/h
- Water pressure : 3~6bar

### Water meter



### Hanger bracket

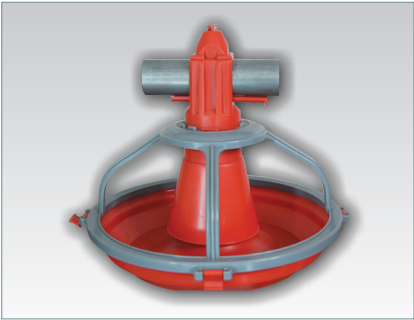
- For fixing zinc pipes and nipple pipes



Drinker for chicks



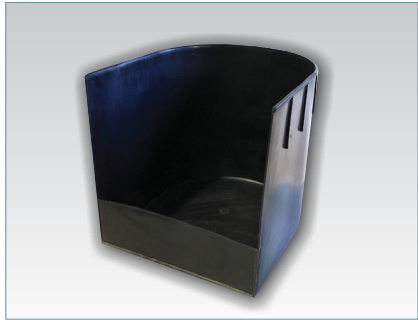
### Feeding line



Pan feeder (4 grill)

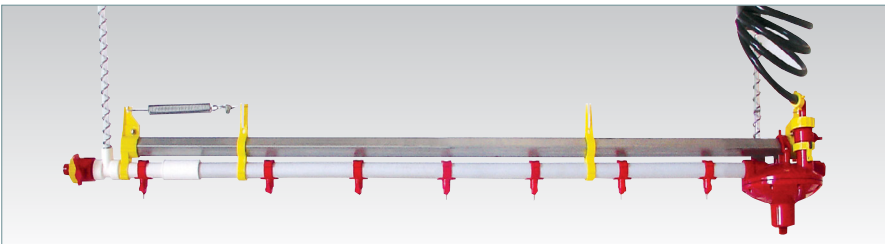


Feeder  
 - For 5 packs, 3 packs, and 2 packs  
 - Open/close equipment for stopping feeding (for duck breeder)

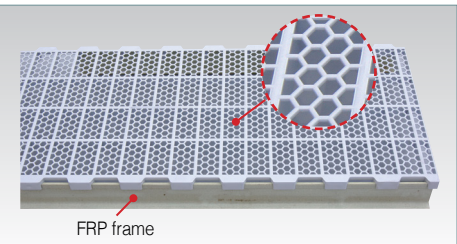


Nest

### Water supply line



Nipple water supply equipment



Plastic slat (1200x500)

### Flooring



Duck farming house of National Institute of Animal Science



Duck-raising facility of National Institute of Animal Science

## Ventilation control system

Comprehensive control system: Ventilation, feeding, water supplying, light control, cooling & heating management



Exhaust fan controller (cover 12 exhaust fans)

- Single / 3 phase
- 12 steps control exhaust fans
- Able to set 12 steps by individual/group in every seconds



Variable fan controller (SL-300M, SL805)

- Manual type
- Incl. warning equipment etc.

### Shutter / Hood



Shutter 20", 24", 40"

- High durability and resistance against temperature and ultra-ray with eco-friendly plastic
- Window frame with auto-adjustable flaps
- Can be operated between -30°C ~ 70°C
- Easy installation and economic price



Hood

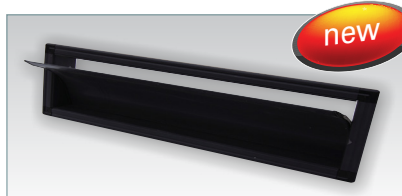
- Easy installation with "One-touch system" between fan and shutter
- Available to apply the installed fan and shutter.
- Refined design
- Size : 500ø(24") , 600ø(24")



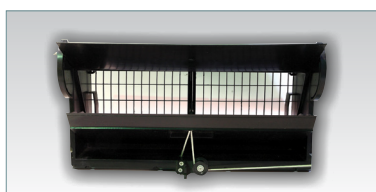
FRP air inlet hood

(Large : 1,170×600×350, Small : 650×400×300)

### Air inlet



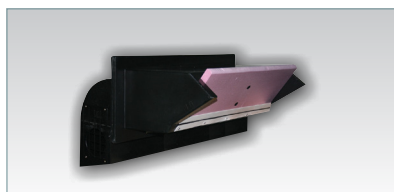
PP air inlet large type, without spring  
(1,110×330)



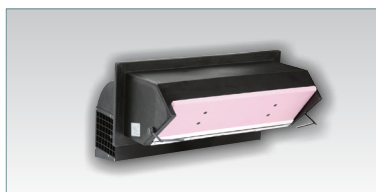
PP air-inlet with spring / 620×230



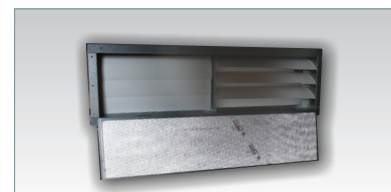
PP air-inlet (without spring) / 560×140



PE air inlet / 700×220



PE air inlet / 900×300



Galvanized air inlet (incl. shutter) / 230×915

# Ventilation fan

## Exhaust fan (50", 36")



Turbo fan (50", 36")



Centrifugal unit



Motor



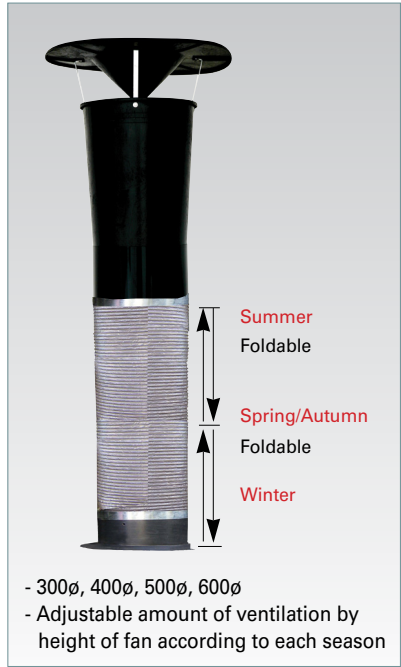
Blade set



Belt

Model	Turbo fan (50")	Turbo fan (36")
Size (mm)	1,380×1,380×450	1,000×1,000×450
Blade Diameter (mm)	1,270	910
Airflow (CMH)	44,000CMH	21,000CMH
Power consumption (kw)	3-phase, 1.1kw	3-phase, 0.55kw
Rotational frequency (RPM)	437	438
Frequency (Hz/RPM)	50Hz, 60Hz	50Hz, 60Hz

## Chimney fan



## Variable speed fan

Low current consumption with waterproof motor and bearings with long durability



SLF-350A4-6 (35cm/14")

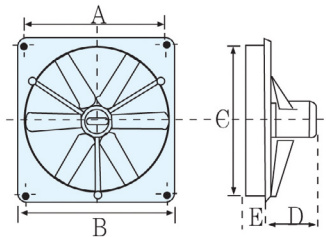
SLF-400A4-3 (40cm/16")

SLF-450A4-3 (45cm/18")

SLF-450A4-6 (45cm/18")

SLF-500A4-3 (50cm/20")

Type	A	B	C	D	E
SLF-350A	389	440	350	170	66
SLF-400A	450	505	405	208	54
LSF-405A	500	555	458	205	54
SLF-500A	567	620	510	225	68



1P, 220V-60Hz

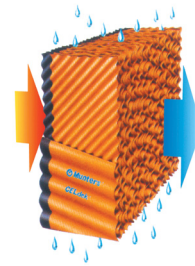
Type	Blade diameter (mm)	Power consumption (Watt/HP)	Current consumption (Ampere)	Condenser (Capacitor)	Air flow		Weight (kg)	RPM
					CFM	CMH		
SLF-350A4-6	350	102/0.14	0.47	2.5µF/440	2,000	3,400	6	1,580
SLF-400A4-3	400	288/0.38	1.1	6µF/450	2,910	4,947	9	1,650
SLF-450A4-3	450	322/0.43	1.3	6µF/450	3,720	6,324	9	1,600
SLF-450A4-6	450	322/0.43	1.3	6µF/450	3,720	6,324	9	1,600
SLF-500A4-3	500	480/0.7	2.3	12µF/440	5,300	9,010	15	1,630

# Cooling : Cooling pad

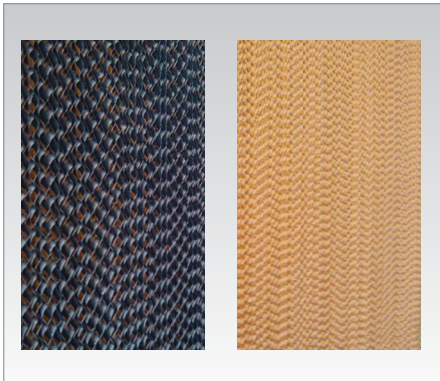
## Cooling system



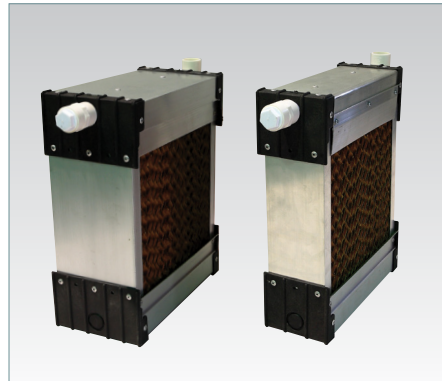
Minimization of stress using cooling effect from vaporization, due to lower the inside temperature by 5-9°C in summer.



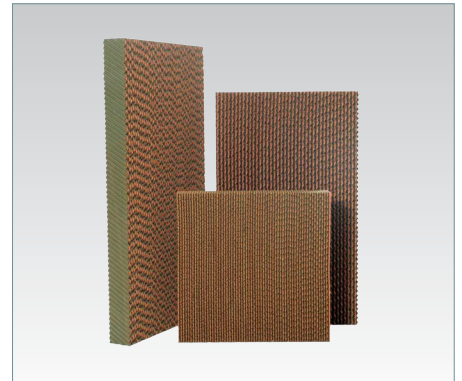
## Classification of products



Coated , None coated



By thickness (T150mm,T100mm)



By size (1500, 1800, 2000mm)

## Heating system

### Heater & others



Caloric value : 100,000kcal/hr

- Complete combustion with high efficiency
- Automatic temperature control
- Embedded overheating prevention unit
- Maximized durability due to the stainless thermal blower



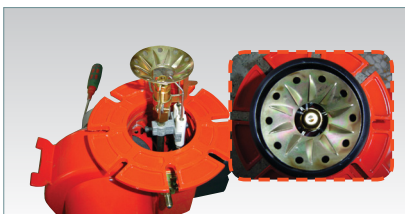
High-voltage transformer / Electrode bar



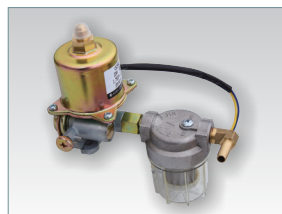
Phototube



Temperature sensor



Burner (of heater)



Oil pump



Nozzle / Burner motor condenser



Condenser / Overheating prevention unit

## Other products

### Electric sprayer



**SS-150F**  
 - 21kw (automatic/manual)  
 - Injection rate=50ℓ/h, Chemical tank=6ℓ, Fuel tank=1.5ℓ,  
 - Size(L×W×H) 1350×340×290mm (Weight=9kg)



**SS-20EU**  
 - AC220V, 20000RPM  
 - Injection rate=20ℓ / h, Chemical tank=6ℓ  
 - Size(L×W×H) 320×200×420mm (Weight=4.5kg)

### Others



**High pressure washer(movable)**  
 - work. pr/max.pressure(kg/cm<sup>2</sup>) : 15/55  
 - Water(ℓ/min) : 20/50  
 - Motor : 2.2kw (Single phase)  
                   3.7kw (3 phase)  
 - Power supply : Single phase, 220V  
                           3 phase, 220/380V  
 - Weight: 90kg  
 - Size(L×W×H) : 950×640×930mm



**High pressure washer(fixed type)**  
 - Motor : 1.1kw  
 - Power supply : Single phase, 220V  
 - Weight : 43kg  
 - Size(L×W×H) : 750×400×500mm



**Aircool**  
 - Single phase, 220V  
 - Diameter of blade : 44mm



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