| | TEGG 192-S | TEGG 288-S | TEGG 384-S | TEGG 576-S | TEGG 768-S | TEGG 1152-S |
|---|---|---|---|---|---|---|
| **Capacity** | | | | | | |
| Chicken eggs | 19200 | 28800 | 38400 | 57600 | 76800 | 115200 |
| Turkey eggs | 14112 | 21168 | 28224 | - | - | - |
| **Use** | | | | | | |
| Single stage | yes | yes | yes | yes | yes | yes |
| Multi stage | yes | yes | yes | yes | yes | yes |
| **Dimensions** | | | | | | |
| Height (mm) (*) | 2300 | 2300 | 2300 | 2300 | 2300 | 2300 |
| Highest point (mm) | 2710 | 2710 | 2910 | 2910 | 2910 | 2910 |
| Width stand-alone (mm) | 3480 | 4300 | 3480 | 4300 | 3480 | 4300 |
| Width add-on (mm) | 3420 | 4240 | 3420 | 4240 | 3420 | 4240 |
| Depth (mm) | 2120 | 2120 | 3640 | 3640 | 6860 | 6860 |
| **Trolleys** | | | | | | |
| Amount | 4 | 6 | 8 | 12 | 16 | 24 |
| Length (mm) | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 |
| Width (mm) | 570 | 570 | 570 | 570 | 570 | 570 |
| Height (mm) | 2045 | 2045 | 2045 | 2045 | 2045 | 2045 |
| **Setter trays** | | | | | | |
| 150 eggs/tray | | | | | | |
| Trays per trolley | 32 | 32 | 32 | 32 | 32 | 32 |
| Total amount | 128 | 192 | 256 | 384 | 512 | 768 |
| Length (mm) | 735 | 735 | 735 | 735 | 735 | 735 |
| Width (mm) | 510 | 510 | 510 | 510 | 510 | 510 |
| Height (mm) | 38 | 38 | 38 | 38 | 38 | 38 |
| **Controller** | | | | | | |
| Version | EMKAWARE™ v3+ | | EMKAWARE™ v3+ | | EMKAWARE™ v3+ | |
| Touch screen | 7.4" TFT colour | | 7.4" TFT colour | | 7.4" TFT colour | |
| **Cooling** | | | | | | |
| System | air+water | air+water | air+water | air+water | air+water | air+water |
| Teggnologic27™ | option | option | option | option | option | option |
| **Heating** | | | | | | |
| Type | electric | electric | electric | electric | electric | electric |
| Power (W) multi stage | 3000 | 3000 | 3 x 2000 | 3 x 2000 | 6 x 1000 | 6 x 1000 |
| Power (W) single stage | 3000 | 3000 | 3 x 2000 | 3 x 2000 | 6 x 1500 | 6 x 2000 |
| + water heating | option | option | option | option | option | option |
| **Ventilation** | | | | | | |
| Type | automatic | | automatic | | automatic | |
| $CO_2$-control | option | option | option | option | option | option |
| **Humidification** | | | | | | |
| System | nozzle | nozzle | nozzle | nozzle | nozzle | nozzle |
| Supply (bar) | 2 - 5 | 2 - 5 | 2 - 5 | 2 - 5 | 2 - 5 | 2 - 5 |
| **Disinfection** | | | | | | |
| System | automatic | | automatic | | automatic | |
| **Turning** | | | | | | |
| System | pneumatic | | pneumatic | | pneumatic | |
| **Pulsator** | | | | | | |
| Motor (W) | 1100 | 1100 | 2200 | 2200 | 2 x 2200 | 2 x 2200 |
| Drive | direct | direct | direct | direct | direct | direct |
| Type | aseptic | aseptic | aseptic | aseptic | aseptic | aseptic |
| Frequency convertor | option | option | option | option | option | option |


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trusted hatchery equipment

# TEGG S-FI

EMKA INCUBATORS

## general information

EMKA Incubators' Tegg-range is the flagship among incubators on the market today. With its sleek and ergonomic design they are standard equipped with the latest intelligent EMKAWARE controller allowing both single- and multi-stage operations and which is ready to be connected to the Internet for remote visioning and control on and smart appliance.


EMKA Incubators design guarantees a homogeneous air distribution within the incubator resulting in superior performance. Teggnologic27 "dry setting" cooling tubes are standard on all Tegg-range machines. This allows the user to either choose traditional incubation or Teggnologic27.

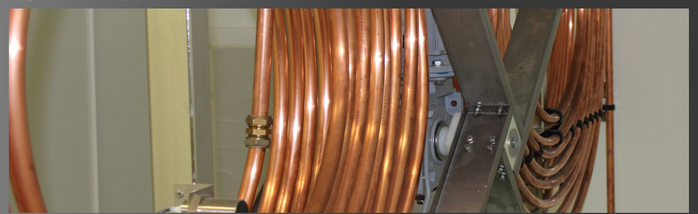
All Tegg-range setters have the latest drop-down sealing hinges whereby the doors seal the incubator so as to ensure even better $CO^2$ control, avoid cross-contamination in the corridors and better heat and ventilation steering.

Temperature control is achieved through double cooing (air and/or water) and electric heating. The self-cleaning nozzle humidification is combined with TDS (Total Disinfecting System). The automatic ventilation system is equipped with $CO^2$-control for improved incubation. Turning by pneumatic cylinder.

All incubator cabinets are constructed using fiberglass reinforced polyester panels and anodized aluminum profiles. They are equipped with P.P. trays and 100% galvanic anti-corrosion treated trolleys.

With hygiene in mind, the incubators are designed with obstruction-free roof and smooth paneling for fast and thorough cleaning. All the direct-drive motors have the Tegg-save (energy saving module), while the beltless drive to avoids cross contamination.

Fully CE-conform equipment.



## advantages

USE
Emka incubators are ready for single- ( all-in all-out ) and multi stage incubation of chicken, turkey, duck, goose and game bird eggs.

HOMOGENEOUS AIR DISTRIBUTION
A homogeneous air distribution assures stable environmental conditions ( temperature, humidity and $CO_2$-level ).
The Emka incubator design with double spiral water cooling, combined with the superior EMKAWARE™-controller, guarantees excellent results and withstands even the toughest pharmaceutical standards.
Through customer satisfaction proven performance.

EMKAWARE™-CONTROLLER
Flexible high performance micro processor control system for monitoring and steering incubation.
The Emka incubator is operated by a large colour touch screen display.
Visualisation of all commands and settings through universal pictograms.

COOLING
All incubators are equipped with a double cooling system ( air- and water-cooling ) that can be used in all possible combinations.
Emka's water-cooling system, with its unique design ( double spiral ) and 15% more cooling capacity, guarantees an even distribution of temperature all over the incubator without hot or cold spots.

- seamless cooling coils
- no maintenance ( no air-releases )
- unique designed forced air blower
- priority and delay in cooling system programmable by the hatchery manager

HEATING
Electric heating system with a monowire system for a safer and more reliable heating element.
Optional dual heating system with adjustable time for water heating.

TEGGNOLOGIC27
Teggnologic27 is a next generation incubator, operating with cooling water at a temperature of 27°C instead of the traditional 12 to 15°C. This brand-new, revolutionary technology leads to considerable advantages for both the hatchery and the day-old chicks.

VENTILATION
Automatic regulation of ventilation through a double controlled ( =feed back ) proportional servo-motor.
perfect positioning of air-inlets and outlets for optimum distribution
open design without dirt collectors
automated possibility to evacuate surplus humidity at beginning of an incubation cycle
automatic alarm function

CO2-CONTROL ( optional )
All Emka incubators can be fitted with CO2-steering.
This is an optional feature of the ventilation system.
our special CO2-steering process boosts the quantity and quality of chicks
dual wavelength infra red sensor for superior measurement
choice between monitoring and steering
totally adjustable parameters upon hatchery manager demands
significant energy savings possible

HUMIDIFICATION
With self cleaning atomising spraying nozzles, instant evaporation is achieved by injecting the water spray directly in the most fierce air stream in the incubator.
after each spray the nozzle is cleaned with an air purge ( adjustable time )
reduction of sedimentation in the nozzle head
outside access for maintenance and control without opening incubator doors

TOTAL DISINFECTION SYSTEM
The Total Disinfection System ( TDS ) is a standard feature on every Emka model, and can be equipped for a hatchery centralized system or with a receptacle on each individual incubator ( positioned inside central panel ).
distribution through the humidification nozzle
user friendly
safe for the operator (safety countdown display) and for the environment
adjustable disinfection intervals and volumes
disinfection counter

PNEUMATIC TURNING
For turning Emka uses a simple and easy design for a fail-safe operation.
time adjustable turning cycle programmable in 3 positions
absolute left/right turning with a correct and stable horizontal position
no maintenance needed, no grease nipples
turning counter and failure alarm

PULSATOR SYSTEM
Emka incubators have a direct drive for the pulsator to avoid cross contamination through openings of belt driven systems.
direct-drive for fail safe operation and air distribution
detection of speed and operation with a proximity sensor
no maintenance
power consumption savings
pulsator designed for improved efficiency and performance

INCUBATOR CABINET
EMKA incubators are constructed using fibreglass ( woven mat ) reinforced polyester panels and anodised ( 20 µm ) aluminium profiles for protection against corrosion.
extreme high tensile strength and impact resistance
superior insulation value
large panels to avoid cold bridges ( up to 7 m long for VH1152 )
drop down and lock down doors seal the incubator from the external environment

CENTRAL CONSOLE
Central console panel assuring easy access for control and maintenance of all active components from the front side of the incubator.
unique one-piece console and sleek design

NETWORKING
All Emka controllers are equipped with necessary hard- and software ready to be used in a hatchery network. The MS Windows based EMKALINK™ hatchery management and supervision software is easy to install and user friendly.
central monitoring and programming
central operation, starting/stopping incubators
central logging of all parameters
centralized incubation program library
central alarm handling
remote acces trough the latest HTMS-internet ready interface