

JIMCO[®]

UV-C & OZONE
Technology



ENVIRONMENTALLY FRIENDLY

EGG DISINFECTION IN HATCHERIES

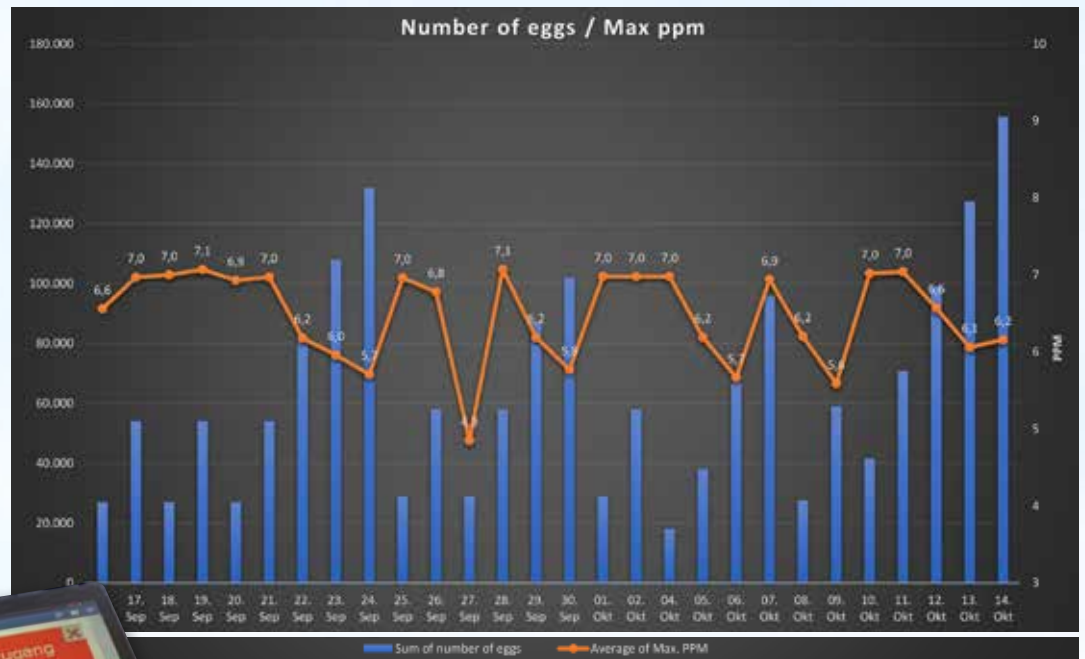
CHOOSING THE RIGHT DISINFECTION TECHNOLOGY IMPACTS THE PERFORMANCE

Completely eliminate darkling beetles, meal worms, mites, lice or bedbugs from your operations in as short treatment as 24-48 Hrs. After proper cleaning and drying of houses you can deploy JIMCO FLO-D® appliances which

will kill all pathogens, fungi and pest inside the house at all life stages. Cleaner air, lower ammonia to start with will also result in better bird performance.

Date	Eggs	PPM level	Duration (minutes)	Disinfection cycle																	Total % disinfected		
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		18	19
27-08-2019	48.000	9,50	120	0,99	3,44	4,91	5,67	6,20	6,57	6,67	6,65	6,49	6,46	6,35	6,24	6,28	6,47	6,72	6,84	6,99	1,43	99,62%	
28-08-2019	56.000	9,50	120	1,83	3,63	4,41	4,92	5,23	5,50	5,73	5,93	5,27	5,07	5,72	5,18	4,71	5,54	5,24	4,80	3,68	0,35	99,80%	
29-08-2019	83.100	9,50	120	0,65	3,19	4,25	4,11	4,12	3,95	4,20	4,85	4,99	4,18	4,31	5,06	4,48	3,81	4,77	4,97	4,45	0,11	99,92%	
03-09-2019	92.000	7,00	360	1,38	3,47	4,87	4,36	5,70	5,33	4,59	6,31	6,80	6,25	5,71	5,35	5,11	4,97	5,91	7,00	5,65	0,29	92,85%	
04-09-2019	108.000	7,00	360	2,08	3,75	4,86	4,97	5,53	5,46	5,59	6,01	6,00	5,72	6,20	5,82	6,25	6,02	6,41	6,35	4,77	98,76%		
05-09-2019	19.000	7,00	360	4,44	6,50	6,68	6,30	6,59	6,10	7,03	6,03	6,50	5,03	1,68	0,41	98,97%							

Easy to maneuver from room to room.



- ✓ Avoid time-consuming manual disinfection with water and chemicals.
- ✓ Save litres of water by the tons as well as energy for heating and drying.
- ✓ Disinfect more efficiently in corners, chinks and ventilation ducts, cooling coils and surfaces.
- ✓ Avoid strong chemicals, which have an impact on the environment and work environment.
- ✓ Avoid an environmentally harmful release of chlorinated waste-water.

DISINFECTION OF ROOMS, EQUIPMENT AND TOOLS

The fully automated JIMCO FLO-D® appliances are able to disinfect any room or processing unit. Gaseous ozone cleans the air and HVAC systems, resulting in mold, fungi and pathogen-free environment, eliminating the risk of cross contamination.

Ozone is a USDA Organic food treatment, thus can be used in premises where chemicals are not allowed or proven to be inefficient.

KEY ADVANTAGES

- ✓ Even disinfection from floor to ceiling and all nooks and crannies
- ✓ Immediate disinfection of eggs in storage - no cross contamination
- ✓ No harm to cuticule
- ✓ Increase hatching rates
- ✓ Decrease 7-day mortality rate
- ✓ No resistance or mutations against oxidation
- ✓ Regular use will result in $I > CFU$ throughout the facility
- ✓ Higher efficacy and bigger capacity than fogging systems (especially VHP)
- ✓ Sterilizing all tools and equipment in the room
- ✓ No storage of hazardous materials - ozone is produced on site
- ✓ No toxic residues - ozone naturally turns back to oxygen
- ✓ Low cost of operation
- ✓ No downtime after treatment



Absence of disinfection at farm or egg depot level puts great risk to table eggs which can spend 2-6-days before ending up in washing and disinfection at the processing facility.

Farm level infestation and cross-contamination in storages and trucking can result in possible pathogen outbreaks or egg recalls.

Mobile, "plug-and-play" JIMCO FLO-D®Mini appliances can disinfect eggs at all stages, already at farm level.

- ✓ PLC controlled units with datalogging, do not require additional manpower.
- ✓ Access point for wireless connection by smartphone or tablet.
- ✓ Loud alarm before treatment start – in 8 different languages
- ✓ New weekly treatment programme mode

TECHNICAL DESCRIPTION

FLO-D® MINI - Mark 2

UV-lamps: 8 pcs. 70 watt

Quartz sleeve: 8 pcs. (in cold storage)

Power supply EU: 1x230V + PE 50/60Hz, 10A

Power supply US: 1x115V + PE 50/60Hz, 10A

Consumption EU: 640 watt

Consumption US: 685 watt

Display: Proface PLC, color panel

Room-volume:

Disinfection: Up to 314 m³

Odor treatment: Up to 1.258 m³

Measurements:

Height: 1150 mm · Width: 560 mm

Depth: 890 mm · Weight: 59 Kg



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UV-C AND OZONE SOLUTIONS FOR THE FUTURE
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JIMCO TECHNOLOGY REFERENCES



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