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SHIPPING INFORMATION: Orders will be shipped via truck collect unless otherwise specified.

PARCEL POST: Regulations limit the size and weight of mailing parcels. Packages up to 70 lbs. which are not more than 108" in length and girth combined may be mailed.

UNITED PARCEL SERVICE: Regulations also limit the size and weight of parcels. Maximum weight per package, 70 lbs. Maximum size per package, 108" in length and girth combined.

MINIMUM BILLING: \$30.00 per order.

TERMS OF PAYMENT: Cash or net 30 days by special arrangement.

All warranty items are shipped prepaid by Federal Express, UPS Next Air, Express Mail, Emery or by any other means, to have said item replaced by the following business day (USA only).

Seller does not warrant or guarantee fitness for purpose, merchantability, conception, quality or productivity, and no other warranty, oral or written, express or implied. The statements and procedures outlined are recommendations only, and are not to be understood as warranties. Seller shall, under no circumstances, be liable for any special, indirect or consequential damages arising from the use of this product, whether based on negligence or any alleged warranty in an amount greater than the purchase price of the product in respect to which such claim is made.

Introduction to Artificial Insemination

When we consider the procedure for artificial insemination, there are two items that are vitally important to the success of the program. One of them is the people involved, and the other is their knowledge. First of all, we must have people who understand what they are doing and why. Secondly, they must have the knowledge of the process of insemination. It is important that all involved understand the mechanics of reproduction. In turkey breeding, correct insemination techniques can have a greater influence on the profitability of a flock than any other factor. A few percentage points in fertility results can make the difference between profit and loss. Because of this, I would like to emphasize that everyone involved in the production of hatching eggs—management, technicians, and workers—should understand the entire program.

It is not enough to be content with high fertility at the start of a season and then just stand by and watch it fall off. It has been proven that a high fertility average can be maintained throughout each season. One should not accept a bad or fair season after a good one with the idea that it is just part of an unexplainable cycle.

Artificial insemination is not influenced by the sun, moon, or tides. Good fertility is the result of a constant effort at using the correct insemination techniques. Again, to achieve those high fertility results, it is essential for everyone involved to be interested in a job well done.

The equipment we have at International A.I. Inc. was invented and designed to make A.I. easier for the people who are doing the insemination and for the birds themselves, doing the process with both increased accuracy and precision. This equipment, like all equipment, is only a tool. With our equipment placed in the proper hands, you will be able to produce the highest possible fertility at the lowest possible cost. After all, that's what this game is all about.

Bradley S. Blume, President

SAVINGS FORMULA

We have taken the time to describe our method of A.I. for you. Being the largest manufacturer in the world of A.I. equipment for poultry, with more equipment in all the nations of the world than any other manufacturer, our method and equipment have proven themselves. After reading the following pages, turn back to this page and use the calculation methods provided below, using your figures that will best represent your program. You'll then understand why so many people now use our equipment.

Use the following abbreviations for calculation:

HPH Hens Per Hour
 NP Number of People
 HPMH Hens Per Man Hour
 NHIW Number of Hens Inseminated Weekly
 TTC Total Time of Crew
 TCPH Total Cost Per Hour
 CI Cost of Insemination
 AHW Average Hourly Wage

$$TM = HPMH$$

$$\frac{NHIW}{TTC} = HPMH$$

$$NP \times AHW = TCPH$$

$$x \text{ TTC} = CI$$

2 milkers 1 driver 1
 catcher 1 cracker 1
inseminator 6
 $\frac{167 \text{ HPMH}}{6 \text{ NP}} = 27.83 \text{ HPH}$
 11,000 HPH
 $\frac{60 \text{ TTC}}{10,000 \text{ NHIW}} = 167 \text{ HPMH}$

$$6 \text{ NP} \times \$6.00 \text{ AHW} = \$36.00 \text{ TCPH}$$

$$\$36.00 \text{ TCPH} \times 60 \text{ TTC} = \$2,160 \text{ ci}$$

1 milker 1 driver 1
 catcher 1
inseminator 4
 $\frac{150 \text{ HPMH}}{4 \text{ NP}} = 37.5 \text{ HPH}$
 10,000 NHIW
 $\frac{67 \text{ TTC}}{10,000 \text{ NHIW}} = 150 \text{ HPMH}$

$$4 \text{ NP} \times \$6.00 \text{ AHW} = \$24.00 \text{ TCPH}$$

$$\$24.00 \text{ TCPH} \times 67 \text{ TTC} = \$1,608 \text{ a}$$

1 milker
 1 driver
 2 catchers
2 inseminators 6
 $\frac{200 \text{ HPMH}}{6 \text{ NP}} = 33.33 \text{ HPH}$
 $\frac{50 \text{ TTC}}{10,000 \text{ NHIW}} = 200 \text{ HPMH}$

$$6 \text{ NP} \times \$6.00 \text{ AHW} = \$36.00 \text{ TCPH}$$

$$\$36.00 \text{ TCPH} \times 50 \text{ TTC} = \$1,800 \text{ a}$$

Compare #1 to #2. Savings of \$552.00 weekly.

Compare #1 to #3. Savings of \$360.00 weekly. This method also makes it possible to inseminate more hens in a given allotment of time. Not by speeding the process up, but by actually slowing down the rate of insemination, each inseminator is handling only 600 hens an hour average. This makes for an easier pace in which to do a more efficient job. This slower pace will aid in the ability to achieve higher fertility.

To see all the advantages our equipment produces, one must also compute into the overall picture of savings the ADDITIONAL PROFIT that is found with the increase in fertility. Below, we have used random figures to show this. To arrive at your true amount, plug in your own figures.

10,000 breeder hens laying
 1,000,000 eggs yearly:

1,000,000 eggs x 1% increase in fertility 10,000 increase of fertile eggs

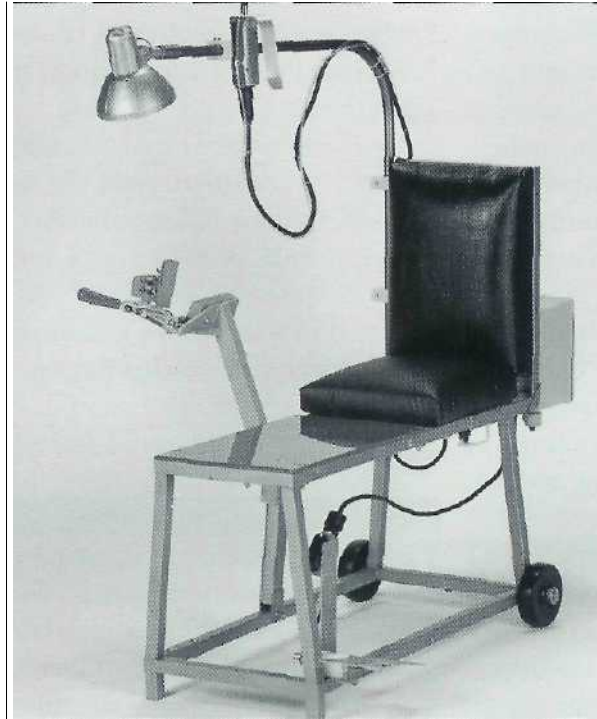
10,000 increase in fertile eggs x \$.50 amount paid per egg \$5,000 increased profit from higher fertility
 Using the above two formulas, you can see how quickly our A.I. equipment on the following pages will pay for itself. Afterwards, PURE PROFIT

ONE-MAN TOM MILKING BENCH

Patent #3,872,869

The collecting of high-quality semen is paramount to the success of an A.I. program. High-quality semen that is free of blood, fecal or urate materials that act as a spermicide, is easily obtained by a collector when using our One-Man Tom Milking Bench. With only one man in the pen, your toms stay calm and relaxed, making it easier to collect high-quality semen. Our bench holds the tom gently but firmly, immobilizing him. The bench has its own lighting source and also provides a place for the milker to relax while collecting.

The semen is collected into a vial that is warmed by our temperature-controlled Semen Collecting Jacket to prevent any temperature shock. When semen leaves a tom, it is brought into a hostile environment. Usage of our Semen Collecting Jacket reduces this shock to a minimum. Collecting by sucking on a tube, greatly increases the chance of spermicidal contamination. We form a vacuum inside a vial with a small laboratory-style vacuum pump that is activated by the milker's foot. This amount of vacuum is adjustable so that a minimum of vacuum is used, and remains the same for each milking.



All of these features found on our One-Man Tom Milking Bench lend themselves to the ability of one person to collect the highest quality semen, free of fecal, urates or other spermicidal material.

- Biggest labor saver of all One man does it all
- Vacuum collects the semen gently
- Collecting device fits onto milker's hand
- Collecting jacket prevents temperature shock
- Precision controlled temperature
- Removable collecting vial
- Leg clamp holds the tom firmly but gently
- Our holding pads will not harm the tom's legs
- Lighting provided from bench's own supply
- Vacuum controlled from foot switch by milker
- Stainless steel frame and clamping arm
- Fiberglass vacuum box, waterproof electrical source

4 models available:

#M804-1 10 RH 110 volt 60hz
Right Hand

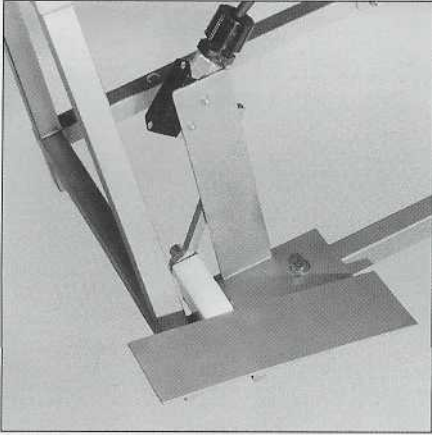
#M804-110LH 110 volt 60hz
Left Hand

#M804-220 RH 220 volt 60hz
Right Hand

#M804-220 LH 220 volt 60hz
Left Hand

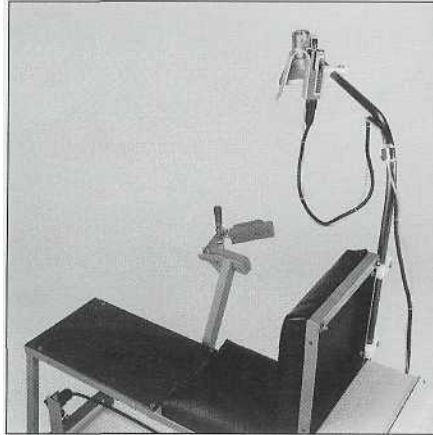
Specify if collecting from right or left.

TOM BENCH'S UNIQUE FEATURES



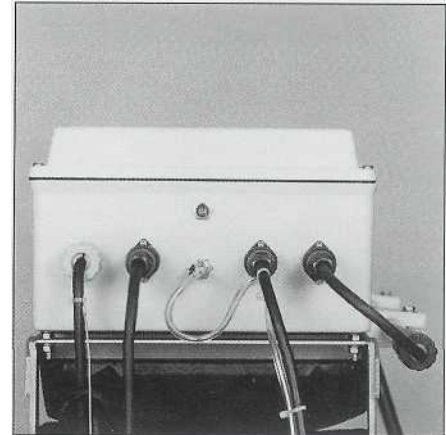
Vacuum-Control Foot Switch

The vacuum for collecting semen is turned on and off by the milker's foot. When the milker needs vacuum, he simply presses on the foot pedal to activate the vacuum pump. This assembly never needs oil. Its stainless steel construction and "no lubricate" bearing will give you a lifetime of trouble-free service.



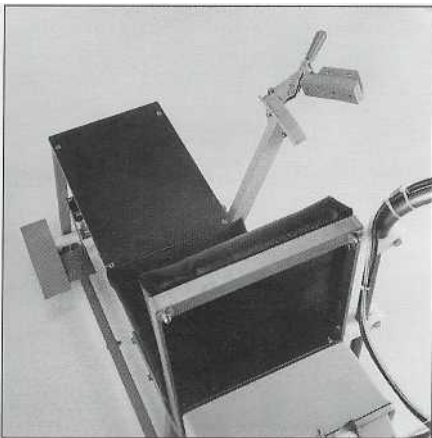
Lighting Lamp Post

We provide adequate lighting for the milker from our lamp post assembly. There is enough light that the milker can easily collect semen free of fecal and urate spermacidal material. Mounted on "slip" bearings, post can be moved by the milker with a simple push or pull to the assembly.



Bottom View of Vacuum Box

Our rear-mounted fiberglass vacuum box system encloses all electrical connections. The laboratory vacuum pump is also mounted inside for protection. The vacuum line is easily disconnected from this system and a check valve provides protection from any material entering. All connections to this system are waterproof.



Top Rear View

From the rear view of the bench, you can see our milker's seat and backrest, the torn tray area, which prevents ripped seats, and the lamp post that provides lighting.



Not shown but available:

Same features but a front-mounted clamp assembly for collection of semen from smaller birds.

Our **One-Man Tom Milking Bench** is the most well-designed, compact, lightest and strongest made in the world. Its stainless steel frame and assembly will last a lifetime with no corrosion. This unit is shipped complete along with our heated Semen Collecting Jacket.

Shipping Information:

Main Frame:
38 x 23 x 23 in./46 lbs.
96x59x57cm./21 kg.

Back Rest:

24 x 16 x 18 in./35 lbs.
66 x 41 x 46 cm./16 kg.

Actual Dimensions:

43 x 19 x 21 in. (seat height)
110 x 48 x 53 cm. (seat height)

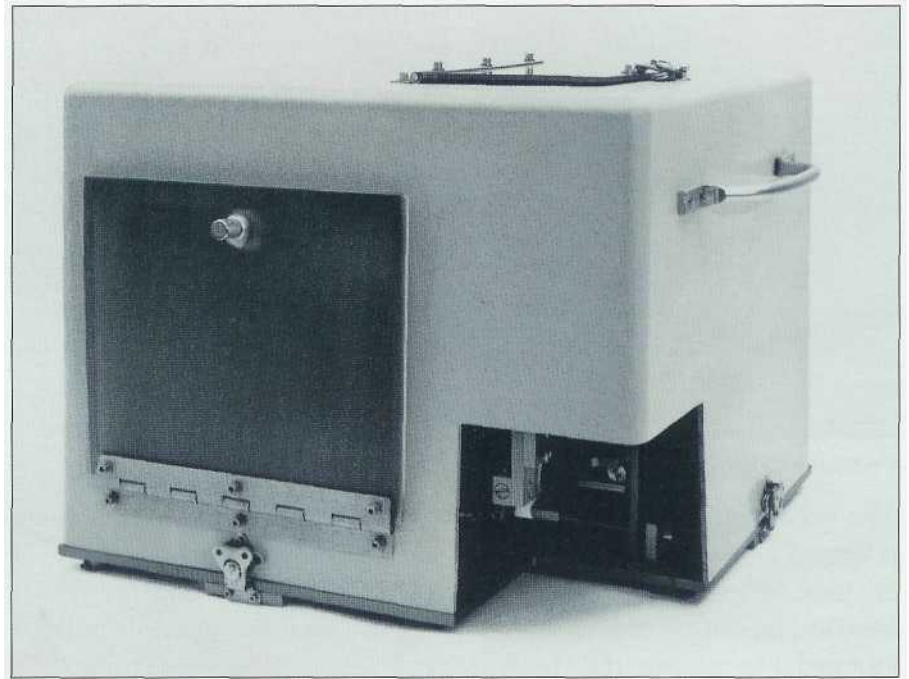
Actual Weight::

60 lbs. (Assembled)
27 kg. (Assembled)

PNEUMATIC SEMEN DISPENSER

The semen dosage is probably the most important factor in the insemination process. It is widely known that an A.I. of 200 million sperm cells is sufficient. One must have a semen dispenser that is accurate enough to ensure that the dosage remains constant. Too high a count is wasteful, too low is detrimental to fertility. Our Patriot ensures an accurate dosage each time, even when changing shot size. To help ensure this accuracy, we were the first to recess our semen inside the A.I. tube, so that the semen is not drawn out upon insertion. This recession also aids in the prevention of any spermicidal material coming into contact with the semen.

The smaller the volume of semen that is stored, the shorter the life span of the semen cells. Our semen dispenser fills only one tube at a time for this reason. The use of multi-shot fillers will decrease the semen's lifespan while subjecting it to spermicidal material while the filled tubes are being held. We keep the semen and A.I. tubes warm through convection heat and not "hot" blown air that tends to stir up spermicidal material.



THE PATRIOT

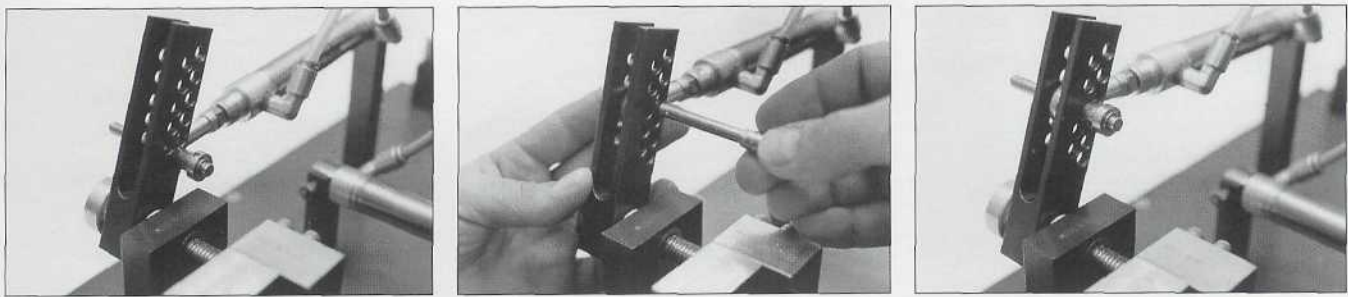
Our Patriot is 100% waterproof for ease and insurance of sanitation. Constructed of the finest materials, you will not find a semen dispenser in today's marketplace that will give you the trouble-free reliable years of service that the Patriot provides. History proves it: Our original Pneumatic Semen Dispenser, The Turcolossus, is 25 years old. They are still running today!

- Accurate quick-change semen dosage
- 100% waterproof for ease of disinfection
- Semen and tubes warmed through convection heat
- Large hopper capacity (1800 A.I. tubes)
- Molded fiberglass cover
- Pneumatically powered
- All valves and cylinders rebuildable

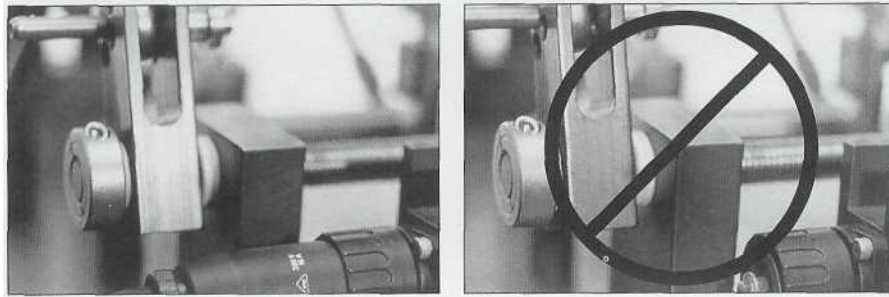
3 Available Models:

#INF7-110	110 Volt 60hz
#INF7-220	220 Volt 50hz
#INF7-000	Less Heaters

THE PATRIOTS UNIQUE FEATURES

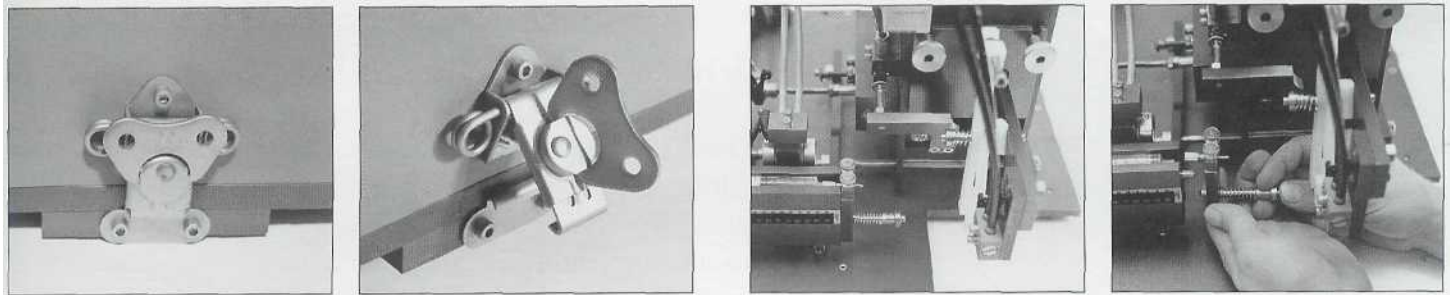


Dosage: Changes in 15 seconds/16-40 tubes per cc (dosage in 2 1/2 increase)



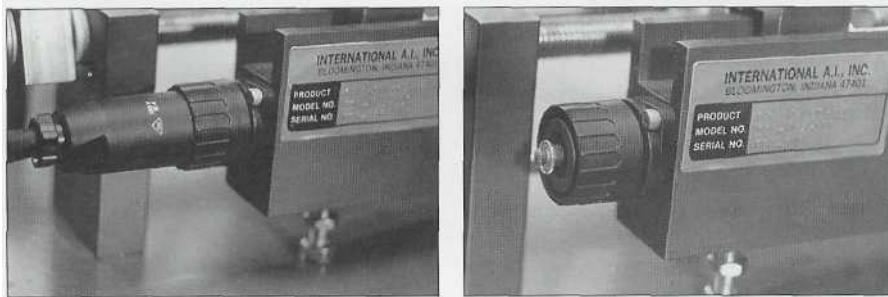
Dosage advance arm: Sealed clutch bearings

Cheap ratchet



Fiberglass cover quick-release latches for cleaning

Front needle plate is easily removable for cleaning



Patch cord in use

Use of "dust cap" during cleaning

Heaters: Both semen and tubes warmed through convection heat!

Shipping Information:
24.5 x 24.5 x 17.5in./46 lbs.
63x63x45cm./21 kg.

Shipping Weight:
60 lbs.
28 kg.

Actual Dimensions:
15.25 x 16.75 x 14.5 in.
39x43x37 cm.

Actual Weight:
40 lbs.
18 kg.

A.I. CHAIR & COLOSSUS

The actual A.I. process itself should be at a rate that keeps the hens relaxed and calm, so that the hens will be more receptive to the semen and ensure a quality semination. With this relaxed pace, your birds won't struggle or fight you, and the A.I. is more easily done. The insemination process is less strenuous and fatiguing, enabling one to obtain higher fertility and protect the egg in production.

Careless A.I. technique will result in lower fertility. With the hens held in position so that the oviduct can be inverted without any movement to the hen, the art of depositing one clean drop of semen in or as near to the primary storage site is easily accomplished. The sperm will naturally swim from where they are deposited to the primary storage sack; the closer they are, the better their chance of survival.

Semen should be deposited in one clean "clump." Our filtered, precision injection system creates a fine "whisper" of air that expels the semen from the A.I. This fine whisper of air (less than 2/10 of a pound of pressure) is kept the same at all times by a constantly bleeding precision regulator, ensuring that every injection is the same.

With its filtered air, no sperma-cidal material is being injected into the semen as it is with hand-held squeeze expellers.

We designed and built our A.I. Chair & Colossus for maximum fertility!



With the hen immobilized by our A.I. Chair & Colossus, one person can hold, invert and inject, obtaining higher fertility with less cost.

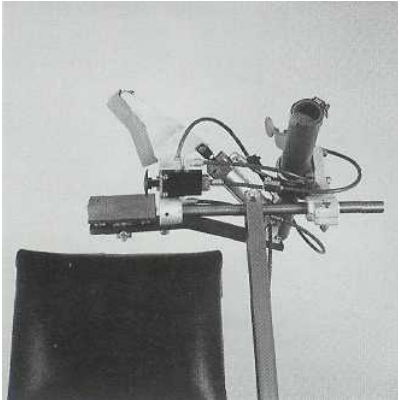
COLOSSUS

- Hens held firmly but gently
- Padding will not harm hens' legs
- Padding stays soft when cold
- Automatically adjusts for bird's leg size
- All moving parts have bearings
- Light in weight yet durable
- Constructed of aircraft-grade aluminum
- Anodized for protection and appearance

A.I. CHAIR

- Inseminator has full control of A.I.
- Up to 800 hens per hour
- Automatic lubricator
- Filter injection air
- One size fits all, completely adjustable
- Foam padded seat and back cushions
- Precision constant-bleed regulator
- All controls mounted to rear of chair
- Stainless steel chair frame, never rusts

A.I. CHAIR'S UNIQUE FEATURES

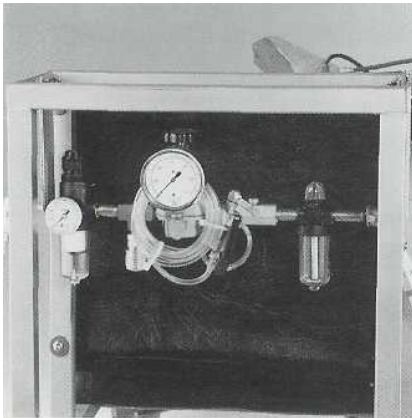
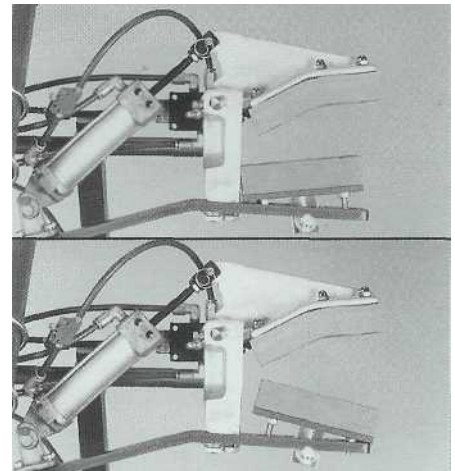


Inseminator's view

Our clamp when in the open position gives the catcher a large "target" area for placement of the hens legs. The closing valve is located so that the catcher closes the clamp onto the hens legs. With the breeder hen held directly in front of the inseminator, they will have complete control of the insemination process.

Automatic adjusting clamp for different leg sizes

We have found that even among the same breeder flock, leg size can vary greatly. Our Colossus clamp will automatically compensate for this size difference. Both legs of the breeder hen will always have the same clamping pressure. Our clamp has grease fittings on our pivot points for longevity of service.



Rear view of chair

The controls for our A.I. Chair & Colossus are contained on the rear of our stainless steel frame, up and away from the floor. The high pressure regulator, air filter, low pressure regulator and gauge, check valve, and oiler are all one system.

Our A.I. Chair & Colossus requires an external air source.
See page 15.

Shipping Information:
Chair Frame:
29 x 23 x 25 in./61 lbs.
74 x 59 x 64 cm./28 kg.

Colossus Arm:
30 x 23 x 10 in./20 lbs.
76 x 51 x 25 cm./10 kg.

Actual Dimensions
(Assembled):
28 x 20 x 19 in. (seat height)
71 x 51 x 48 cm. (seat height)

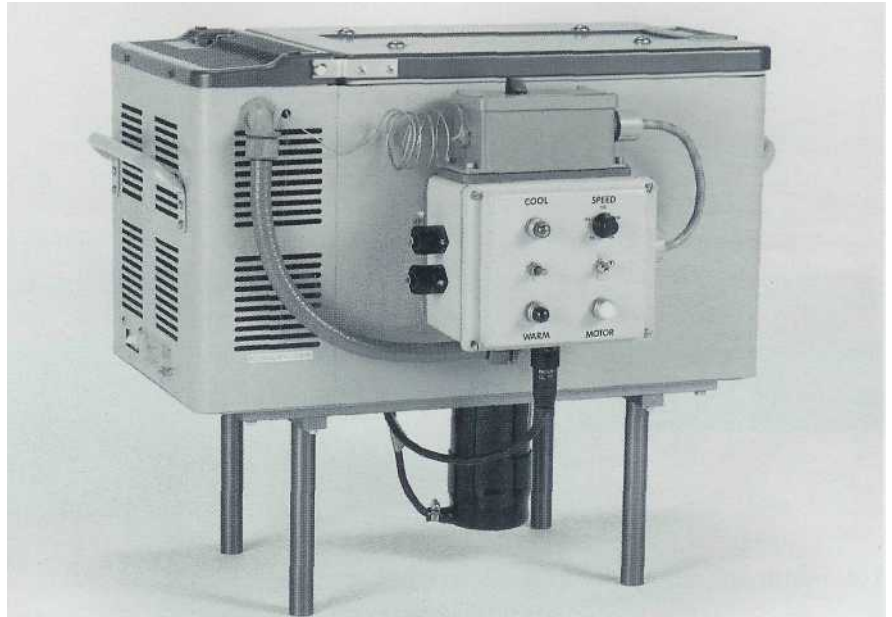
Actual Weight:
57 lbs.
26 kg.

SEMEN AGITATOR I

We have 5 different models to choose from.

We have designed this unit to specifications that were found to produce the maximum fertility while holding semen, from the correct number of RPM's of agitation to the correct temperature settings. Turkey breeders can now implement the idea of semen holding with utmost confidence.

The holding of semen has proven that fertility levels can be kept high, also providing higher hatchability. Agitation of semen can prevent the accumulation of metabolic by-products which could impair sperm viability. The benefit of semen agitation is the aeration of the semen. We recommend the use of our Beltsville Turkey Extender II for semen holding.



When the turkey breeding industry first started to experiment with holding semen, they came to International A.I. Inc. for the development of an agitation unit. Why? They knew we'd get the job done. Our Semen Agitator will provide you with a reliable source of cooling and agitation. You'll have the satisfaction of knowing that this is another link in the chain of our A.I. equipment that you can depend on.

- No extra ice required
- Temperature-controlled cooling
- Optional heating blanket
- (12) 50ml flask capacity
- (12) 50ml flasks included
- Flasks held in water bath
- Correct agitation movement
- Speed control is adjustable
- All systems come with pilot lights
- Cooler is constructed from metal
- Cooler uses compressor for cooling
- No-lube gears and bearings
- Easy cleaning on inside
- Removable motor and gear assembly

5 Available Models

AG410410-012 110 volt cool/heat

AG410-000-012 110 volt cool

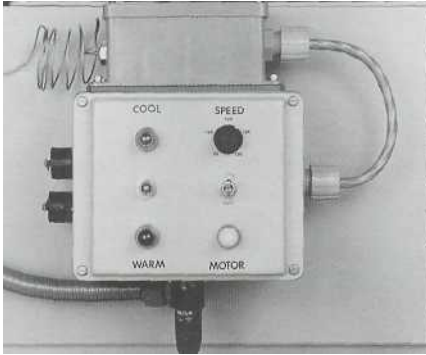
AG-012-012-012 * 12 volt cool/heat

AG-012-000-012 *12 volt cool

AG410-012-012 110/12 volt cool

* Can be used for 220 volt 50hz applications. Customer must supply 5 AMP 12 volt transformer and motorcycle-type battery for buffer.

SEMEN AGITATOR'S UNIQUE FEATURES

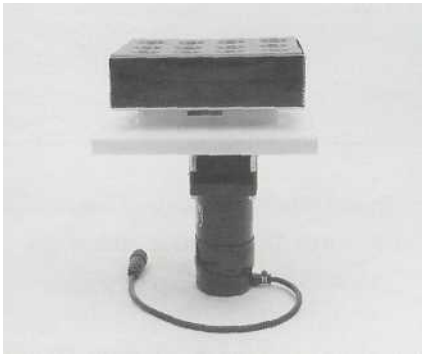


Control panel with pilot lights

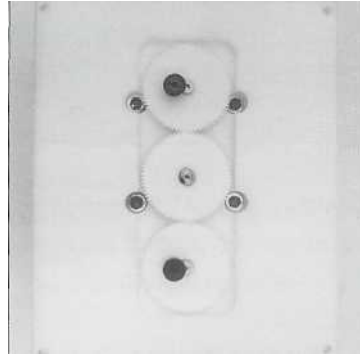


Accurate temperature

Our control box encloses all electrical connections. Each function has its own pilot light so the operator can see that all operating systems are working. The thermostat is externally controlled, with its "bulb" sensor placed inside the main cooler body for accurate settings.

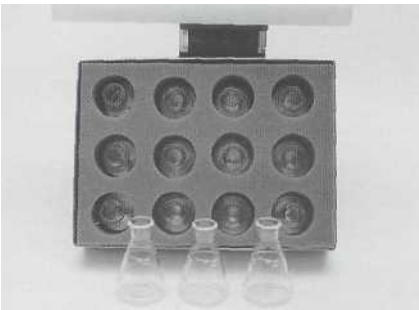


Motor & gear assembly



Gear driven

The motor and gear assembly simply pull up and out of the cooler body. No tools are required, making cleaning easy. The motor speed is adjustable from the control panel, and the motor is also sealed to prevent damage from disinfectants.



Large capacity—(12) 50ml flasks

A stainless steel pan holds a water bath to prevent temperature changes to semen when the unit is opened. A foam insert prevents the water from spilling during the agitation process and also holds the (12) 50ml flasks in place.

Laboratory Quality!

Shipping Information:

Agitator body :
22 x 29 x 19.25 in.
56 x 74 x 60 cm.

Motor Drive:

22x14x12 in.
56x36x31 cm.

Shipping weight:

Agitator body
69 lbs.
31 kg.

Motor drive:

29 lbs.
13 kg.

Actual dimensions:

Agitator body :
28 x 21 x 23.5 in
71 x 54 x 60 cm.
Transformer:
8 x 12 x 7.5 in.

Actual weight:

Agitator body motor drive:
86 lbs. total
39 kg.

Transformer:

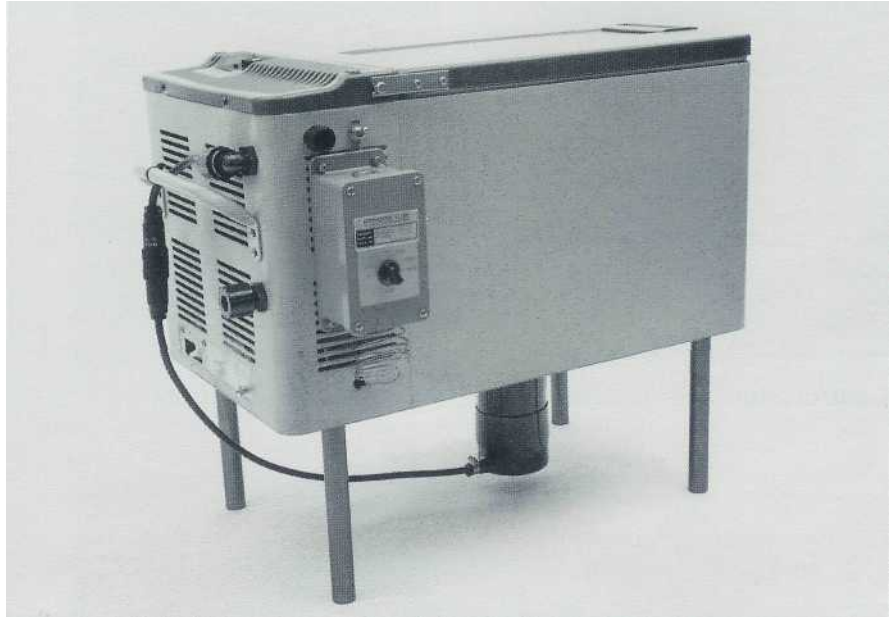
19 lbs.

Delete for 220 volt: Transformer

SEMEN AGITATOR II

We have 3 different models to choose from.

A scaled down version of our Semen Agitator I model. We use many of the same mechanical functions of our top model but do away with some of the "bells and whistles." This unit has all the same features except we eliminate the following: Control box, variable speed motor, external thermostat and heater option. Cooling temperature can still be adjusted by the cooler's own thermostat, but the operator must rely on a probe thermometer inserted into the water bath for the actual temperature. The speed of the agitation is set at a fixed rate of 95 rpm (110 volt 60 hz/12 volt DC) and 103 rpm (220 volt 50 hz).



A scaled down model from our top of the line. You'll find many of the same features but we have done away with some of the "bells and whistles" for those who prefer "less features" but want the same reliable source of cooling and agitation.

- No extra ice required
- Temperature-controlled cooling
- Optional heating blanket
- (12) 50ml flask capacity
- (12) 50ml flasks included
- Flasks held in water bath
- Correct agitation movement
- Cooler is constructed from metal
- Cooler uses compressor for cooling
- No-lube gears and bearings
- Easy cleaning on inside
- Removable motor and gear assembly

3 Available Models

AG-2-012	12 volt DC cool only
AG-2-110	110 volt 60 hz cool only
AG-2-220	220 volt 50 hz cool only

* Can be used for 220 volt 50hz applications. Customer must supply 5 AMP 12 volt transformer and motorcycle-type battery for buffer.

Shipping Dimensions:

Agitator Body:
15 x 29 x 19.25 in./38 x 74 x 60 cm.

Motor Drive:
22 x 14 x 12 in./56 x 36 x 31 cm.

Shipping Weight:

Agitator Body:
65 lbs./29 kg.

Motor Drive:
29 lbs./13 kg.

Actual Dimensions:

Agitator Body:
14 x 28 x 23.5 in./36 x 71 x 60 cm.

Actual Weight:
Agitator Body & Motor Drive:
86 lbs./37 kg.

BELTSVILLE SEMEN EXTENDER II

Our Beltsville Turkey Semen Extender II is available with or without Gentamicin. When used as recommended, high fertility can be maintained for up to six hours. When used with our semen agitation units, even longer holding hours can be obtained. Collected semen will have strands of semen throughout. Our extender will help break up these strands, giving you a more uniform consistency for a true sperm-cell dosage. Packaged under strict sanitary conditions, our extender is free of any microbial contaminants. This extender can be stored at room temperatures. Mixing temperature is recommended between 68 to 77 degrees, with a ratio of 1:1. We also have extender for chickens, ducks and guinea.



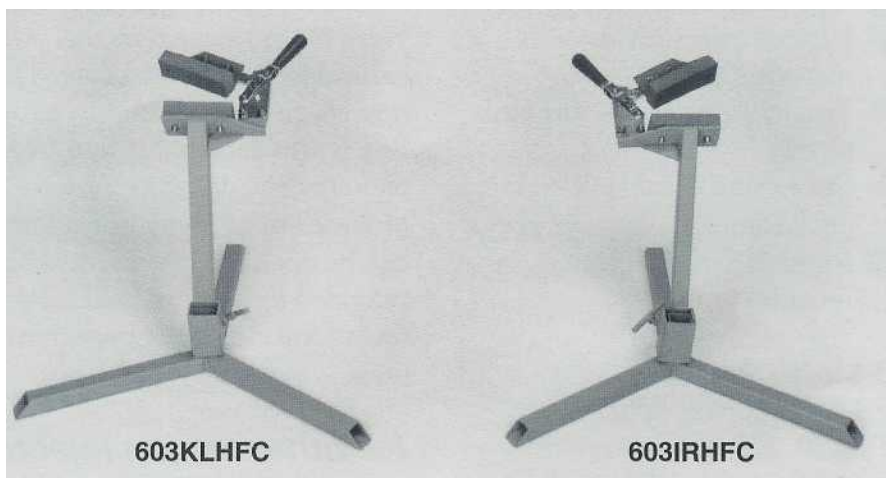
Our Beltsville Turkey Semen Extender II is available in:

5 ml ampule, 2.5 ml of extender	100 ml bottles
5 ml ampule, 5 ml of extender	100 ml pouches
10 ml ampule, 5 ml of extender	250 ml pouches
10 ml ampule, 10 ml of extender	500 ml pouches

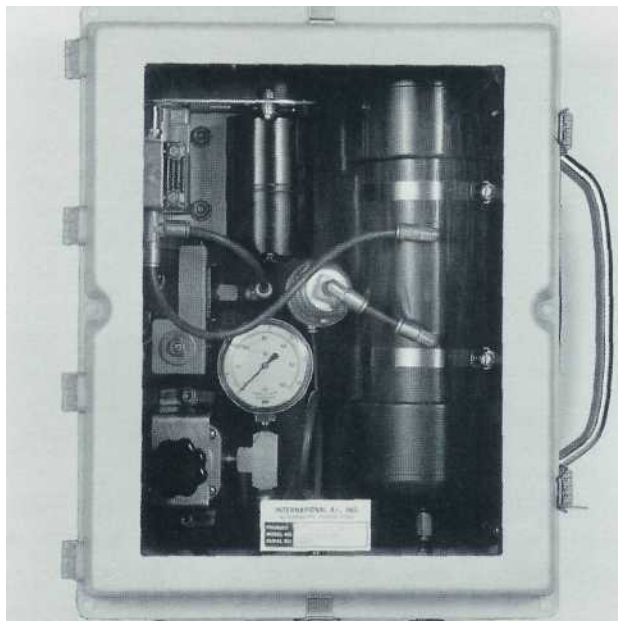
Ampules are packaged 100 ampules per box, 800 ampules per case. 100 ml bottles, 20 bottles per box.

TOM-MILKING FLOOR CLAMP

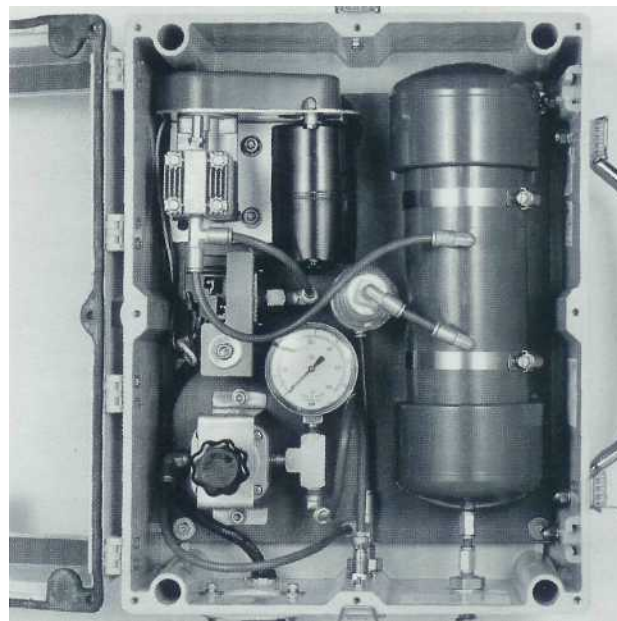
Our portable floor-mounted semen collecting stand is designed for those who prefer to use two milkers. This stand and assembly, like all of our equipment, are constructed of welded stainless steel for a corrosion-proof lifetime. We use the same clamping device found on our One-Man Tom Milking Bench, but we mount it to a floor stand that is wide enough not to tip over. The tom is immobilized for easy, fecal and urate free, milking. Clamp height is 12 inches (310 mm.) above the floor. When ordering, please state right- or left-hand usage. Both models are pictured above. The floor stand is interchangeable between both models.



SEMEN INJECTOR



Closed for operating and cleaning



Compact and self-contained

Our Semen Injector uses the same filtered injection system as our A.I. Chair but has its own self-contained, oil-less compressor.

- Waterproof! Easily disinfected
- Completely self-contained
- All instruments enclosed for protection
- Filtered incoming air—protects compressor
- Filtered injection air—no spermicides
- Two moisture traps—air tank bleed
- Strong and durable fiberglass enclosure
- Rugged, dependable and reliable

3 Models Available:
P9-110 110 volt 60hz
P9-220 220 volt 50hz
P9-012 12 volt DC

This unit has all the same qualities of our A.I. Chair's injection systems but is totally self-contained. We use an oil-less compressor, and all incoming air is filtered for longevity of the compressor and for clean A.I. injection. To make sure the injection air is clean, we filter a second time with a 5 micron filter/drier cartridge. We trap all spermicidal material and prevent moisture from damaging the precision instruments. Two locations are provided for moisture removal. All controls and gauges are enclosed behind a clear Lexan cover. This provides a view of the air pressure gauge and makes the unit waterproof. Our A.I. hand "gun" air line is also detachable from the injection system. A check valve prevents any disinfectant from entering the air line. A cap is also provided to prevent any foreign matter from entering. This unit can be operated in a vertical or horizontal position. Hangers are provided for vertical wall mounting. This unit is shipped with 12 feet of injection line for mounting away from the insemination area.

No other semen injector on the market today can be disinfected like ours!

Shipping Information:
Shipping Dimensions:
15 x 20 x 11 in.
13 x 51 x 28 cm.

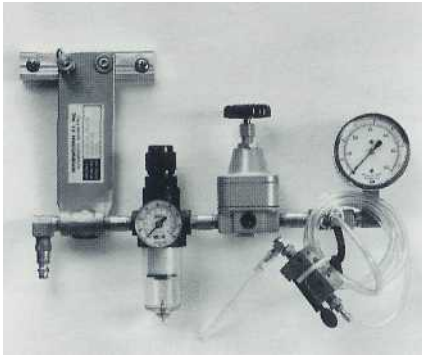
Shipping Weight:
27 lbs.
13 kg.

Actual Dimensions:
13 x 16 x 9 in.
33 x 41 x 23 cm.

Actual Weight:
23 lbs.
11 kg.

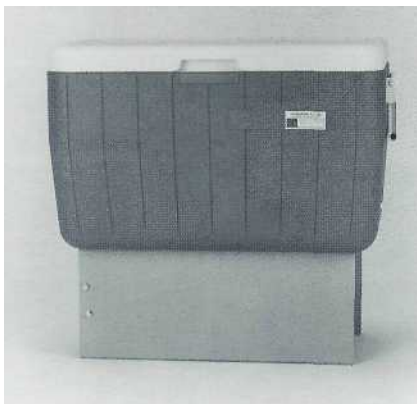
INJECTION VALVING

Part #C501 PIV



We have taken the air injection system from our A.I. Chair and have made it portable. This unit is the brains behind our super-low-pressure injection air. This system has a high-pressure regulator, our exclusive constant-air-bleed low-pressure regulator, a low-pressure gauge, and our A.I. injection "gun." Included is a wall mount, for placement away from the insemination area. Again, this unit filters the air, removing spermicidal contaminants and moisture. There is no other system that even comes close to delivering injection air this clean. It comes complete and ready for use but does require an outside air supply.

SEMEN AGITATOR III



For the economy-minded flock owner, we offer our SEMEN AGITATOR III. This model will not cool with its own power and is designed for short periods of semen holding. The speed of the agitation is set at a proper 95 RPM's (110 volt 60hz/12 volt DC) or 103 RPM's (220 volt-50hz). It has the same capacity as our other models and uses the same foam insert. We use a deeper (6 inch-15.5 cm) stainless steel pan for a larger capacity of cooling. A special "blue ice" block fits into the bottom of this pan to provide extra cooling of the water bath. Ice water must be provided by the user for cooling.

- 12 50ml Flask included
- Flasks held in "water bath"
- Correct agitation movement
- No lube gears or bearings
- Easy cleaning on inside
- Removable motor and gear assembly

3 available models:

AG-3-012
12 volt DC

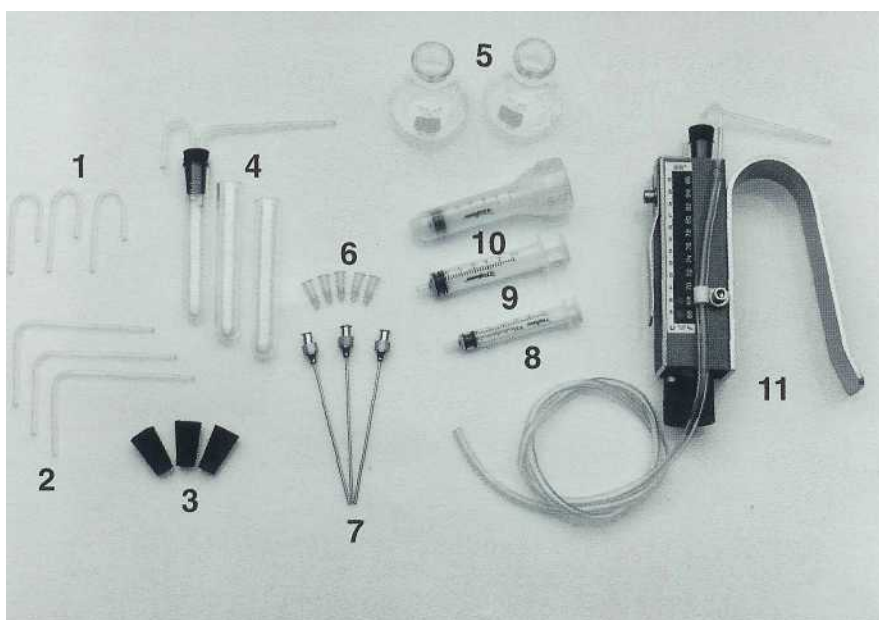
AG-3-220
220 volt 50hz

AG-3-110
110 volt 60hz

Shipping Dimensions:
Complete:
15 x 29 x 24 in / 50 lbs
38 x 73 x 62 cm / 23 kg

Actual Dimensions:
Complete:
14 x 28 x 23 in / 45 lbs
36 x 71 x 60 cm / 21 kg

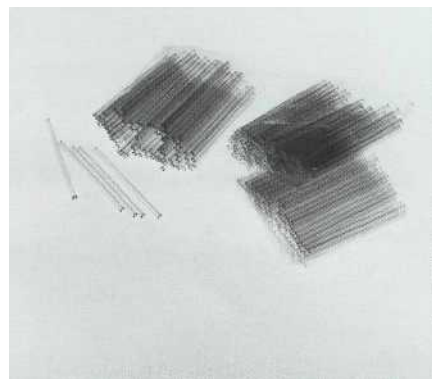
COLLECTING SUPPLIES



1. Semen vacuum tubes (6032)
2. Semen collecting tubes (6033)
3. Semen collecting corks (6035)
4. Semen collecting vials—10ml (6034)
5. 50ml flasks (6034-50)
6. Syringe caps (5575P)
7. Mixing/cleaning needles (5557)
8. 3cc syringe (5575-3);
9. 6cc syringe (5575-6);
10. 6cc sterile syringe (5575-6S)
11. Semen collecting jackets:
110 volt 60hz (6036-X1)
220 volt 50hz (6036-X2)
Non-heated (6036-XD)

Your search for a supplier of all your A.I. needs is over. We have all the collection devices you will ever need, from our warmed semen-collecting jacket (also available with no heaters) to collecting vials, corks, tubes and mixing needles, syringe caps, and syringes (available in 3cc, 6cc and 6cc sterile). We have what you're looking for. If we don't have it, you don't need it.

A.L TUBES

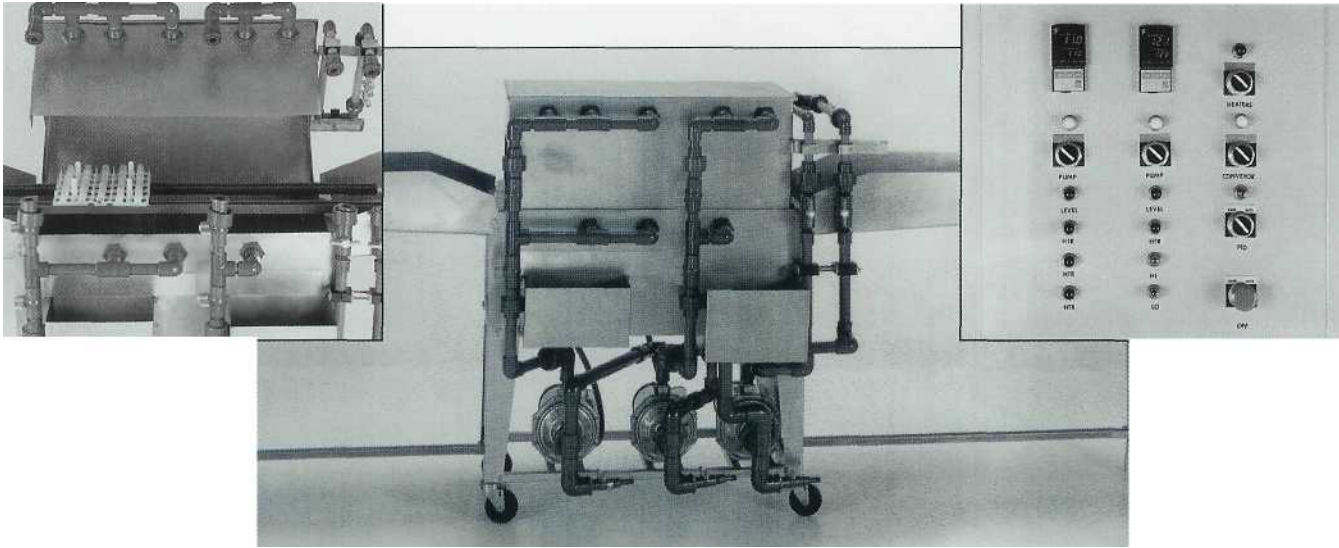


Our tubes are made of 100% virgin plastic. We do not use any recycled materials. Both ends of our tubes are precisely beveled for smooth edges; rough tubes can cause irritation to the vagina, increasing the possibility of vaginal infection. The scarring of the vaginal walls can create a barrier for the semen, and any soreness of the vagina can lead to less receptivity by the hen. A quality tube is a must for a good A.I. program.

- Allows for angle change of vagina
- Tube length permits proper depth of A.I. for hens of every age
- Smooth ends prevent any vaginal irritation
- 4 Vie x .075 in. I.D. / .082 O.D.
- Works in all dispensers using this type of insemination straw

HATCHING EGG SANITIZERS

See our supplement brochure for mechanical and design features



Our Hatching Egg Sanitizer easily pays for itself by providing a reduction in labor cost, with an increase in hatchability. Swab tests have confirmed that 99.9% bacterial free eggs are possible when sanitized properly with our Hatching Egg Sanitizer and recommended chemicals. There is not a more economical process of sanitation.

Eliminate that extra person in your egg room with the purchase of an International A.I., Inc. Hatching Egg Sanitizer. Be more efficient by letting your egg gatherers "load" the eggs directly into our sanitizer. When you collect directly onto your setting flats, you will not have to handle your eggs after they have been sanitized, thus eliminating that extra step while reducing your chances of cracks. You sanitize not only your hatching eggs but the flats themselves. With a reduction in both labor costs and number of cracks along with an increase in hatch, our Hatching Egg Sanitizer will help to increase your profits immediately.

Our special spray process prevents cuticle damage and cross contamination often associated with brush type machines. With our 2 stage system, we wash at 110 degrees with a chlorinated detergent. With our second stage, we rinse and apply a mist of quaternary ammonia at 120 degrees. Your eggs are then moved by our conveyor into your "clean" room where one operator removes the flat and places it into your racking system for proper cool down time.

- All stainless steel construction
- Stainless steel 220.v. TEFC pumps
- Stainless steel cartridge heaters
- All fasteners stainless steel
- Water proof control panel
- All electrical water proof
- High/low alarm for egg protection

- Digital temperature controls
- Sanitize splits open for cleaning

Available models:

- 2 Channel 220 volt 60hz or 50hz
- 3 Channel 220 volt 60hz or 50hz

Options:

Incoming/outgoing conveyor lengths

Automatic chlorine preportioning pump

Stainless steel mesh chain conveyor

Main body:
36 x 34 in.
91 x 86 cm.

With conveyors:
132 in./480 lb.
355 cm./218 kg.

Electrical supply:
100 AMP 60hz/50hz fused supply

Capacity:
Turkey/duck eggs 5400/hour
chicken eggs 8000/hour