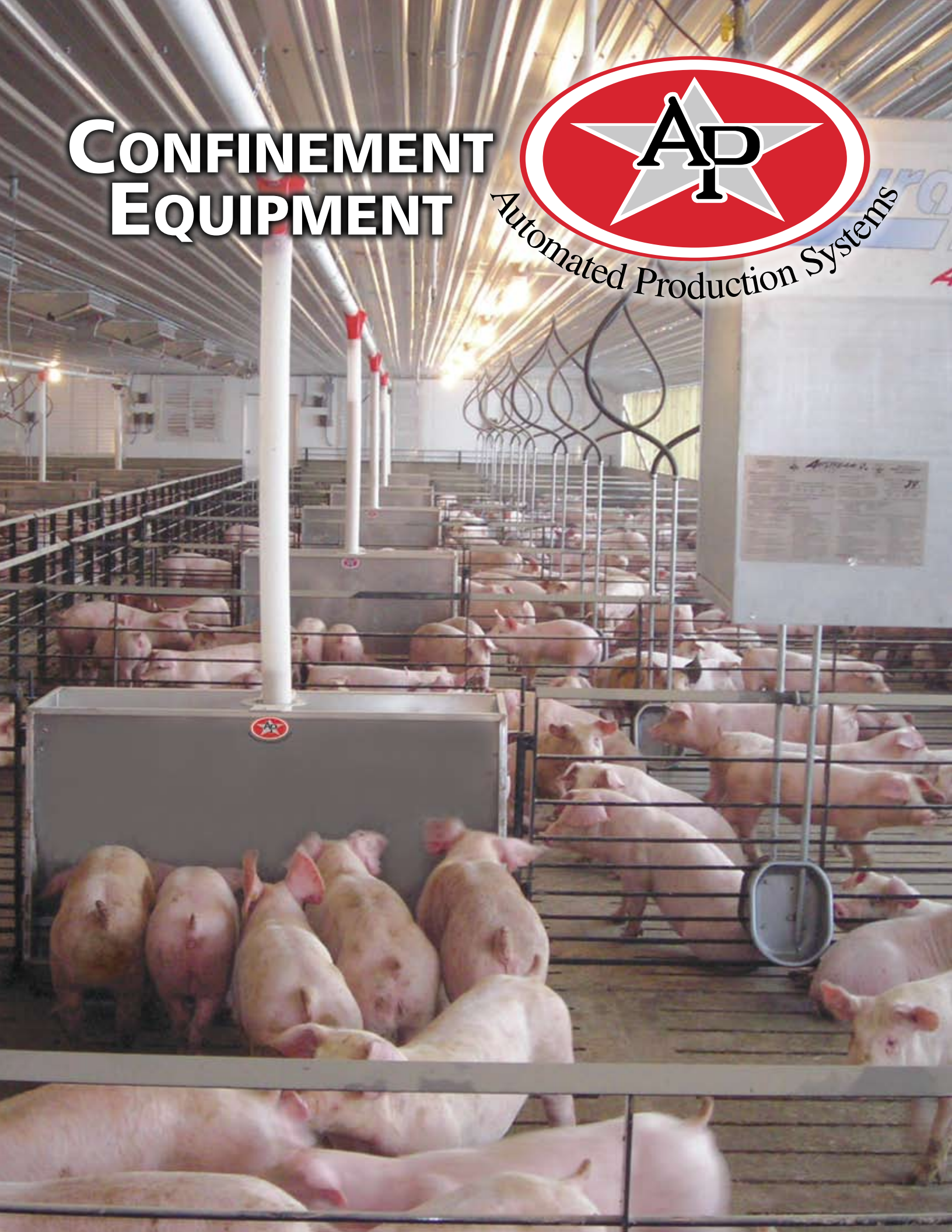


# CONFINEMENT EQUIPMENT



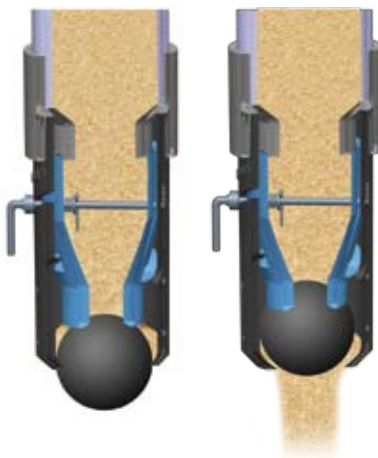
*Automated Production Systems*





# Optimize sow herd performance by maximizing feed intake with the INTāk Ad-Lib Lactation Feeding System from AP.

## AD-LIB LACTATION FEEDING SYSTEM



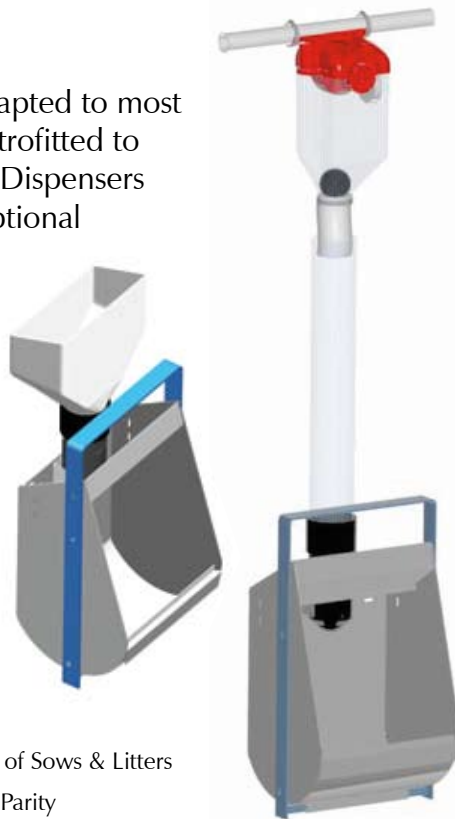
Patent #6,101,975  
The original Berry Feeder

The INTāk dispenser's patented design provides reliable feed flow and delivers a regulated amount of feed with each actuation.

- **Fresh Feed Available 24 Hours a Day**
- **Increase Feed Intake During Lactation**
- **Decrease Feed Waste**
- **More Contented Sows**
- **Improved Sow Condition and Breed-Back**
- **Heavier Healthier Pigs at Weaning**
- **Save Time and Labor Cost**



INTāk dispensers are easily adapted to most farrowing crates and can be retrofitted to existing stainless steel feeders. Dispensers can be hand filled using the optional fifteen-pound hopper or filled automatically with a Chain-Disk fill system for maximum labor savings.



The easy to set indexed adjustment system provides precise and uniform control of the INTāk dispenser.

INTāk System w/ Water in Feeder	Hand Feeding Twice Daily
57	57
2.8	2.7
10.03	10.16
13.24 lbs.	12.15 lbs.
+ 14.33 lbs.	+ 2.65 lbs
14.46 lbs.	13.56 lbs.

Number of Sows & Litters  
Average Parity  
Litter Size (post cross fostering)  
Average Daily Feed Disappearance  
Lactation Weight Change (post farrowing)  
Average Pig Weight (day 20)

Test results from Michigan State University Department of Animal Science (Pneg. 2005)



# DROP FEEDERS

Automated Production Systems



## FARROWING DROP FEEDER

Save time, feed and money with AP's Farrowing Drop Feeder. Feed farrowing sows individually according to condition, without the hassle of labor intensive feed carts and scoops. A flexible sock allows movement in any direction.

A swing gate at the bottom of each feeder is manually operated to quickly and accurately measure 1 to 12 pounds of feed, eliminating costly overfeeding. An adjustable band around the feeder is used to provide a record of the previous feeding. It is available in 8 1/2 or 12 lb. capacities with model 220 or 300 drop kits.



**Stainless steel cup has built in stop and torsion return spring.**



Combine AP's Chain-Disk feed delivery system, Ultra-Drop feeder and Intak feed dispenser for maximum feed intake, precision ration control and minimum labor cost. The Ultra-Drop feeder provides accurate control for limit feeding and doubles as a holding hopper when sows are fed ad-lib. The translucent feeder and feed tube provide confirmation at a glance that sows are eating.

# DROP FEEDERS

## ULTRA-DROP FEED DISPENSER

The Ultra-Drop feeder is specifically designed to meet the requirements of automated feeding of both lactating and gestating sows. A half turn of the convenient adjustment knob adjusts the feeder from 1 to 8 pounds, low enough for multiple feedings in lactation and high enough for once a day feedings in gestation. The semi-transparent feeder body allows for visual confirmation of the feed level and proper operation of the feeder at a glance. A weighted ball valve securely closes off the feeder and provides agitation as it is lifted through the feed insuring complete clean out. Ultra-Drop feeders can be dumped manually using either a lever or winch or can be equipped with electric or pneumatic actuators for timed automated feedings.



Simple one-hand adjustment (shown with optional water shield)



Removable cap for top dressing



Individual shut-off



# DROP FEEDERS

Automated Production Systems



## ECONO-DROP FEED DISPENSER

Get reliable performance at an affordable price with AP's Econo-Drop Feed Dispenser. The front mounted, adjustment slide allows precise one handed adjustment from 1.5 to 12 lbs. providing accurate control of feed delivery to gestating or lactating sows. The feeder is molded from UV stabilized, clarified polypropylene plastic providing a semi-transparent feeder body that allows visual confirmation of the feed level. Each Econo-Drop feeder is equipped with a slide shut off valve to be used when the feeder is not in use. A simple weighted ball valve securely closes the feeder and when emptying provides agitation as it is raised through the feed. In addition, the steep hopper slopes insure complete clean out.

Econo-Drop feeders can be tripped manually by a lever or winch or can be fully automated to provide multiple unattended feedings.

## ACCU-DROP FEED DISPENSER

The difference is "clear". Designed to fill the highly precise requirements of today's diverse production systems, AP's Accu-Drop Feed Dispenser is adjustable from 1.5 - 12 pounds. The pre-assembled feeder installs quickly and is constructed of stainless steel, durable clear PVC and injection molded polypropylene for consistent quality. Feeders feature simple eye level adjustment by raising or lowering the internal volume adjustment cup which is held securely in place by a convenient set knob. Feeders are dumped simultaneously by raising the ball valves. The system can be dumped manually by levers or winches or with a fully automated actuator system operated by a programmable timer which also controls the feed systems and watering valves.



## DROP TUBE

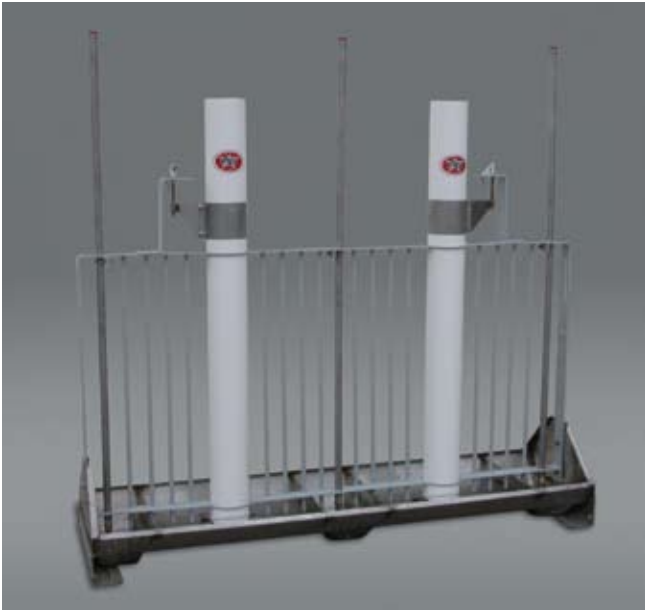
AP's adjustable drop tube can be moved from 8 1/2" to 22" to adapt to any installation. It is designed to slide over a 2" (2 3/8" OD) gestation feed pipe. This product provides a low cost alternative to using PVC pipe, couplers and adapters.

# HYDROMAT HYDROTUBE FEEDERS

Automated Production Systems

*With feed cost soaring, it only makes sense to invest in the best feeders available. AP offers the Hydromat and Hydrotube feeders in all Stainless Steel construction and the NEW Combo Feeders that provide excellent feed conversion and the added benefit of dramatic water savings to help lower the cost of effluent disposal.*

*AP Combo Feeders combine the superior corrosion resistance and cleaning characteristics of 304 Stainless Steel with the rugged durability of Powder Coated solid rod construction.*



## HYDROMAT FEEDERS

AP's Hydromat Feeders are equipped with one or two durable plastic hoppers which each provide 90 lbs. of feed storage and easy access for hand feeding bagged starter feeds. Hydromat feeders are available in all stainless steel construction or the Combo design.

## HYDROTUBE FEEDERS

AP's Hydrotube Feeders are offered in two different lengths and with 2 or 3 water cups. Hydrotube feeders are available in all stainless steel construction or the Combo design.



## COMBO FEEDER GATES

Feeder gates are constructed of 1/2" solid steel rods inserted through and welded to a 3/16" thick 304 SS bottom rail to provide the heaviest feeder gate in the industry. After welding, feeder gates are protected with a durable baked on powder coat finish.

304 stainless steel bottom rail

## Y-DROPS

Y-drops are available for all models of Hydrotube and double hopper Hydromat feeders. These Y-drops prevent feed spills and provide a clean installation with a single feed line drop.





### HYDROTUBE ADJUSTER

Hydrotube feeders feature an easy to operate screw type adjuster which can be precisely adjusted in increments of 1/32".

# HYDROMAT HYDROTUBE COMBO FEEDERS

### HYDROMAT ADJUSTER

Hydromat feeders are equipped with a convenient indexed adjustment system that provides exact control of feed flow.



Model #	Feeding Length	Feeder Width	Gate Height	Feed Tubes	Water Cups	Number of Pigs	Pig Weight
---------	----------------	--------------	-------------	------------	------------	----------------	------------

### HYDROMAT COMBO

AP-HMC26	26 1/4"	17 5/8"	37 1/2"	1	2	50	35-280
AP-HMC60	60 1/4"	17 5/8"	37 1/2"	2	3	70	10-280

### HYDROMAT COMBO

AP-HTC502	50 1/4"	17 5/8"	34 1/2"	2	2	50	35-280
AP-HTC503	50 1/4"	17 5/8"	34 1/2"	2	3	60	35-280
AP-HTC603	60 1/4"	17 5/8"	34 1/2"	2	3	70	35-280



### FEED SAVER

Feeder troughs feature a feed saver lip to prevent feed from being raked out of the feeder.

Model #	Feeding Length	Feeder Width	Gate Height	Feed Tubes	Water Cups	Number of Pigs	Pig Weight
---------	----------------	--------------	-------------	------------	------------	----------------	------------

### HYDROMAT FEEDERS

AP-HM26	26 1/4"	17 5/8"	37 1/2"	1	2	50	35-280
AP-HM60-WF	60 1/4"	17 5/8"	37 1/2"	2	3	70	10-280

### HYDROMAT FEEDERS

AP-HT502	50 1/4"	17 5/8"	34 1/2"	2	2	50	35-280
AP-HT502-WF	50 1/4"	17 5/8"	34 1/2"	2	2	50	10-280
AP-HT503	50 1/4"	17 5/8"	34 1/2"	2	3	60	35-280
AP-HT503-WF	50 1/4"	17 5/8"	34 1/2"	2	3	60	10-280
AP-HT603	60 1/4"	17 5/8"	34 1/2"	2	3	70	35-280
AP-HT603-WF	60 1/4"	17 5/8"	34 1/2"	2	3	70	10-280

### SPINNER

Hydromat and Hydrotube feeders are equipped with a stainless steel agitator that is easily moved by even newly weaned pigs. The spinner limits the need for feeder adjustment and keeps high fat feeds flowing through the feeder.



### CUPS & VALVES

Hydromat and Hydrotube Combo feeders feature premium quality AquaGlobe valves and smooth easy to clean water pans. Water pipes and valves can be easily removed for service.



**Hydromat and Hydrotube feeders are also available with all stainless steel construction.**

# STAINLESS STEEL FEEDERS



## DIVIDER ROD

Welded finish feeders feature a one piece feeder divide rod welded to both feed troughs.



## PIG STOP DIVIDER

Pig Stop dividers are standard equipment on all nursery feeders to prevent pigs from lodging in feeder.



## EDGES

All exposed edges are hemmed for safety and strength.



## SOW FEEDER

Sow feeders are available in a variety of styles to suit your application.

AP provides pork producers with the most complete line of feeding and production equipment for swine. AP's complete line of economically priced, rugged, stainless steel nursery and finishing feeders are available in both single and double-sided styles. A wide variety of sizes and models are available for all phases of production. The feeders are made of corrosion resistant 304 stainless steel. They come completely welded, factory assembled and ready to install.

## NURSERY FEEDER

AP nursery feeders are ideal for introducing weaned pigs to dry feed. Nursery feeders are available in Standard and Early Wean models. Early Wean feeders feature a lowered trough lip for improved access to feed for smaller pigs and taller hopper height for increased feed storage as pigs grow. Both models feature AP's patented Quick-Adjust system and pig stop trough dividers.



## FINISH FEEDER

AP dry finish feeders provide excellent feed conversion. These rugged feeders feature oversized 3/8" adjustment rods and 5/16" trough divider rods which pass completely through the feeder to provide added strength and rigidity. AP dry finish feeders feature our patented Quick-Adjust system and drop tube holder.



## WEAN TO FINISH

Our wean to finish feeder is specifically designed for today's wean to finish production systems and heavier market weights. This feeder comes standard with a drop tube bracket and combines 18 and 16 ga. 304 stainless steel making this feeder very durable. The extra tall 36" height increases feed holding capacity and keeps larger hogs out of the feeder. To allow weaned pigs easy access to the trough, we have lowered the trough height. Solid stainless steel panels are used to divide the feeder into generous 14" feed spaces. AP Wean to Finish feeders feature our patented Quick-Adjust system.



# STAINLESS STEEL FEEDERS



Model #	# of Holes	Width	Height	Length	Max.Cap.Lbs.
---------	------------	-------	--------	--------	--------------

## WELDED NURSERY - SINGLE

AP-4SN-QA	4	11 3/8"	25 1/4"	24 1/4"	86
AP-5SN-QA	5	11 3/8"	25 1/4"	30 1/4"	108
AP-6SN-QA	6	11 3/8"	25 1/4"	36 1/4"	130
AP-7SN-QA	7	11 3/8"	25 1/4"	42 1/4"	151

## WELDED NURSERY - DOUBLE

AP-4DN-QA	8	17 1/4"	25 1/4"	24 1/4"	104
AP-5DN-QA	10	17 1/4"	25 1/4"	30 1/4"	130
AP-6DN-QA	12	17 1/4"	25 1/4"	36 1/4"	156
AP-7DN-QA	14	17 1/4"	25 1/4"	42 1/4"	181

## WELDED EARLY WEAN - SINGLE

AP-4SN-EW-QA	4	11 1/4"	29 1/4"	24 1/4"	90
AP-5SN-EW-QA	5	11 1/4"	29 1/4"	30 1/4"	112
AP-6SN-EW-QA	6	11 1/4"	29 1/4"	36 1/4"	134
AP-7SN-EW-QA	7	11 1/4"	29 1/4"	42 1/4"	157

## WELDED EARLY WEAN - DOUBLE

AP-4DN-EW-QA	8	17 1/2"	29 1/4"	24 1/4"	121
AP-5DN-EW-QA	10	17 1/2"	29 1/4"	30 1/4"	151
AP-6DN-EW-QA	12	17 1/2"	29 1/4"	36 1/4"	181
AP-7DN-EW-QA	14	17 1/2"	29 1/4"	42 1/4"	211

## WELDED FINISHER - SINGLE

AP-4SF-QA	4	14 1/4"	31 1/4"	40 1/4"	127
AP-5SF-QA	5	14 1/4"	31 1/4"	50 1/4"	159
AP-6SF-QA	6	14 1/4"	31 1/4"	60 1/4"	191
AP-7SF-QA	7	14 1/4"	31 1/4"	70 1/4"	223

## WELDED FINISHER - DOUBLE

AP-4DF-QA	8	25	31 1/4"	40 1/4"	182
AP-5DF-QA	10	25	31 1/4"	50 1/4"	228
AP-6DF-QA	12	25	31 1/4"	60 1/4"	274
AP-7DF-QA	14	25	31 1/4"	70 1/4"	319

## WEAN TO FINISH - DOUBLE

AP-3WFD-QA	6	28 1/4"	36 1/4"	42 1/4"	375
AP-4WFD-QA	8	28 1/4"	36 1/4"	56 1/4"	500

## WEAN TO FINISH - SINGLE

AP-3WFS-QA	3	15 13/16"	36 1/4"	42 1/4"	268
AP-4WFS-QA	4	15 13/16"	36 1/4"	56 1/4"	375

## BREEDER FEEDER - SINGLE

AP-2SBF	2	15 13/16"	36 1/4"	28 1/4"	179
AP-1SBF	1	15 13/16"	36 1/4"	14 1/4"	90



## BOLTED FEEDER

Easy to assemble bolted versions of our nursery and finish feeders are also available. These feeders provide significant savings in shipping cost to export destinations.



## FEED CART

The feed cart is made of heavy duty polyethylene with a capacity of 5 1/2 bushels of feed and a turning radius of 360°. Dimensions: 39" length, 23" width, 34 1/2" height and weighs 49 pounds.

## QUICK-ADJUST FEED GATE

AP Quick-Adjust feeders can be easily adjusted from the aisle of your finisher or nursery in half the time of competitor's feeders. This patented system provides indexed adjustments with increments as low as 3/64" per slot. Rather than relying on decals which are easily damaged by pressure washers, indexing numbers are permanently laser cut into the feeder for years of reliable service.



## CHORE CART

The Chore-Cart is a super smooth and easily cleaned, FDA approved, polyethylene cart that will not crack, shatter at the corners or damage doors and walls. A smooth sloping interior prevents feed bridging. This cart is constructed of heavy steel tubing for longer life and has a turning radius of 360°. The Chore-Cart has a capacity of 4 1/2 bushels, 41" length, 19" width and 35" height.



# PVC PLANKING

With the cost of lumber and labor steadily rising, constructing and maintaining livestock confinement facilities of wood is simply no longer cost effective.

Light, strong, versatile, durable, economical, easy to install and clean are the structural and performance advantages of PVC planking, making it the ideal material for all confinement needs.

From farrow to finishing, AP's PVC planking is available in formats for all confinement applications: penning, gating and inner dividing walls. Versatile and corrosion free PVC plank can be adapted to replace conventional building materials in many livestock confinement applications.

Each profile has a full line of stainless steel and PVC accessories to install and support every application, including: stainless steel U-channels, H-channels, posts, wall brackets, plus PVC U-channels, PVC H-channel, drop rods, drop rod ends, end caps and corners, (7/8" only).



## PVC WALL PANEL

AP's 1 3/4" x 32" PVC wall panel is specially designed to speed the construction of walls or ceilings in farrowing and nursery buildings. Since there are fewer seams than conventional PVC walls, clean up is quicker. Tongue and groove construction provides added strength and speeds construction. For additional strength or an attach point for gate brackets, 2 x 4 lumber can be installed anywhere in the panel.



## CREEP FENCE

Designed for divider panels in farrowing crates this fence is manufactured for animals up to 30 pounds. A 7/8" x 20" panel is available in a 21' length.



## FINISHING FENCE

Manufactured for animals over 120 pounds. Ideal for rugged duty applications such as boar studs and breeding areas. Finishing plank is available in either 2" x 8" tongue-and-grooved or our unique 2" x 38" one piece panel which speeds installation and eases clean-up by eliminating seams caused by stacking individual planks.



## PVC CEILING PANEL

PVC ceilings are the ideal way to deliver tempered air from pre-heat hallways to farrowing or nursery rooms. The hollow profile acts as an air plenum delivering the air through precisely sized and positioned holes. The air enters the room uniformly without creating drafts.



## NURSERY FENCE

In nursery applications this fence is ideal for pen dividers. It cleans easily and is available with a full line of PVC and stainless steel accessories to adapt to any installation. Solid plastic aisle gates makes pig movement easier, keeps manure out of walkways and provides a draft free area for small pigs. Manufactured for animals between 30 and 120 pounds. A 1 1/2" x 30" panel is available in 20' or 24' lengths, as well as a tongue-and-grooved section that measures 1 1/2" x 6 1/2".

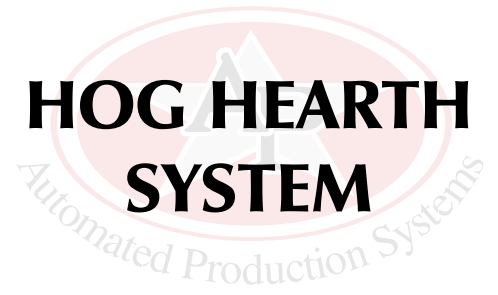


## TWO-PIECE CHANNEL

Two-piece wall and ceiling channels install quickly holding the wall panels securely in place.

With AP's Hog Hearth System, energy costs are reduced drastically. Compared to conventional heat lamps, which use 125 to 250 watts, our Hog Hearth System uses a maximum of 65 watts per crate.

Unlike all other heat mats or heat lamps used in the industry today, our Hog Hearth System has 4 square feet of optimum, consistent heat area. The sealed mat constructed of highly insulated, fiberglass reinforced plastic is stationary for your convenience and makes pressure washing easy.



### MASTER SENSOR UNIT

The master sensor unit heat mat is designed to give the Controller an actual input of the heat mat surface temperature. All other Hog Hearth system heat mats in the room will be temperature controlled by the MSU. No other heat mat has ever been designed to give this high degree of temperature control to the Producer.

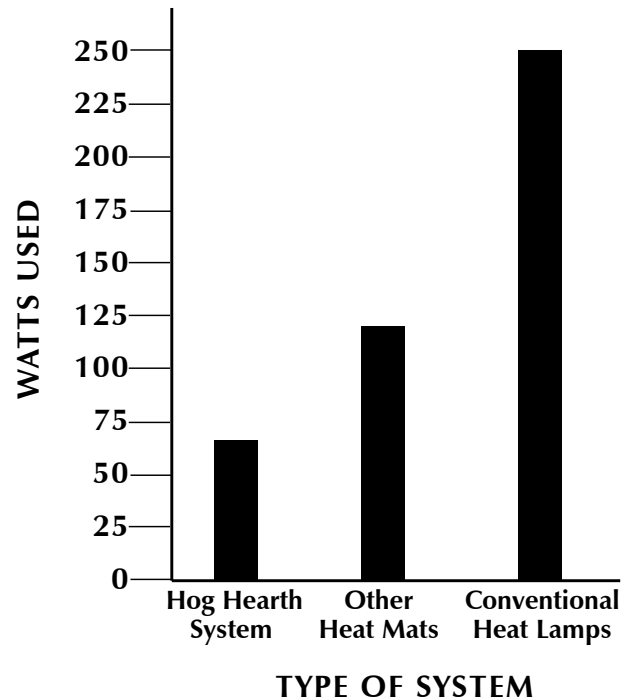
### HEATING ELEMENT

Our virtually indestructible heating element will not burn out and provides up to a 35°F heat rise uniformly throughout the mat surface.



### CONTROLLER

The Hog Hearth controller reacts to the temperature input provided by the Mat Sensor Unit. Voltage is sent to the mats as required to maintain a constant surface temperature.





AUTOMATED PRODUCTION SYSTEMS  
1004 E. Illinois St. Assumption, IL 62510 USA  
217-226-4449 Fax 217-226-3540  
International Tel 217-226-4401 Fax 217-226-4420