

100% ENERGY FREE LIVESTOCK WATERERS

Simple Installation (No Heat Well Needed) * Attractive Design

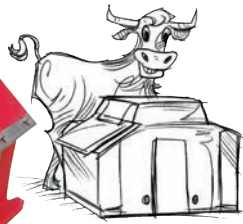
*** Animal Friendly Flaps**



Model MPM10

Swine Drinker

Model MPM10 is identical to Model MPM10A except the MPM10 flaps are 2 inches shorter than those of the MPM10A and also MPM10 flaps have stainless guards.



Model MPM20

Cattle, Horses, Elk and other wildlife



Model MPM10A

Calves, Poultry and Sheep

* No heat well needed - see page 34

Nature's ground water temperature does the job. Our energy-free waterers operate like a thermos all year long. Cool, fresh water in the summer's hot sun. Dependable water in sub-zero temperatures.



Our Flap Is Better Than A Ball Or Float Closure

1. Animals find our flaps easier to operate than ball or float closures. Animals instinctively have a rooting reflex moments after they are born. This is the same motion newborn animals use while nursing and is the same instinct an animal will use to butt or lift up a flap.

WE UNCONDITIONALLY GUARANTEE THAT ANIMALS CAN OPERATE OUR FLAP EASIER THAN A BALL OR FLOAT CLOSURE.

2. Our flaps are much less likely to freeze than are ball or float closures. Our flaps are positioned at an angle, not on a flat surface.
3. Contamination of your animals water supply is greatly reduced with a flap compared with a ball or float. With ball or float closures, accumulated material on a flat surface is likely to fall into the water source when the ball or float is depressed as animals drink. Because of our rain shed design, the incidence of this happening with our flap on an inclined surface is greatly reduced.
4. Finally, with our flap, there is greater tolerance to water level, i.e. you do not have to worry about summer and winter water levels. If the water level is too high in a drinker with a ball type closure, the balls can stick. Likewise, with our flaps, animals can drink out of all flaps at the same time - not always so with ball closures where the buoyancy of the water may prevent more than one animal drinking at a time.



Most animals will instinctively open our flap without training. If some animals (horses, young calves) are hesitant to approach the flaps, use a tarp strap to keep the flap open for a day or so.

How They Work...

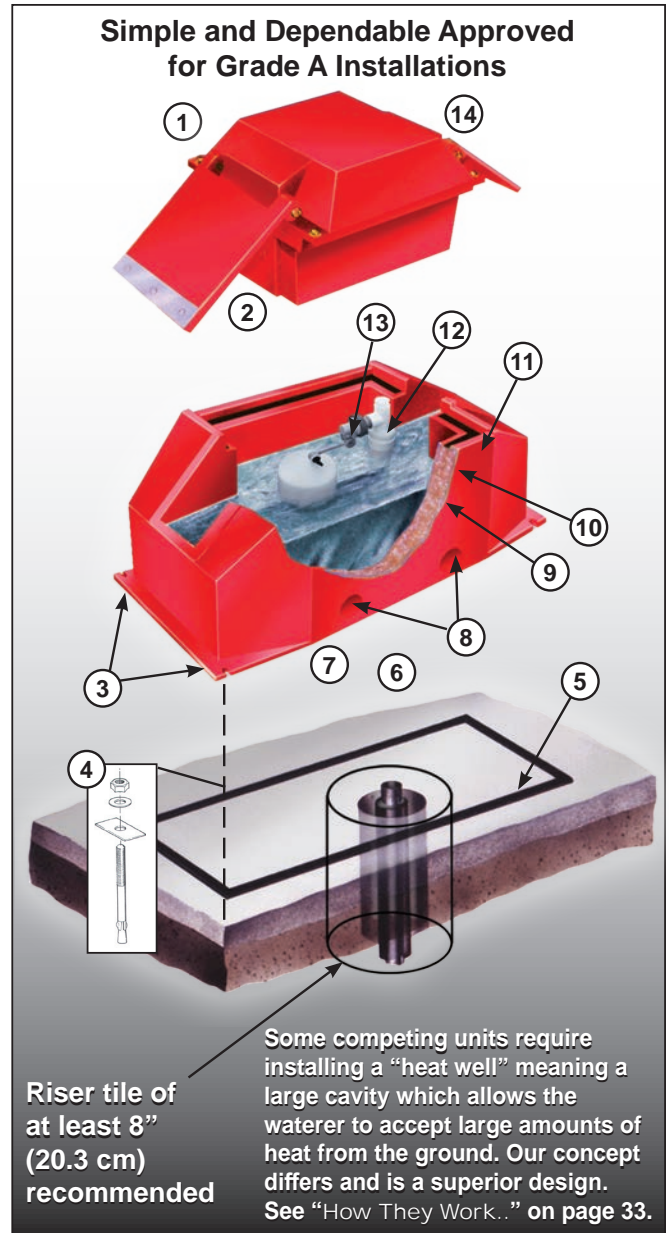
Heat energy is provided by ground water entering the drinker between say 45° F and 56° F (7° C - 13° C). Brower waterers are heavily insulated to hold the heat provided by ground water. As further protection, unique, patented baffles isolate drinking water from the main energy storage body under the valve cover. Drinking activity replenishes heat gradually lost. The minimal winter drinking activity needed should result in water being replaced twice a day (10-15 animals depending on drinker capacity, size of animals, and whether or not the drinker is sheltered). If entering water is less than about 40° F, such as water from a pond, mountain spring water or colder ground water, you may experience icing in the drinker openings.

Quality Features...

1. Stainless steel bolts and removable top afford easy access to plumbing.
2. Unique baffles guard against icing and keep valve operating under severest conditions.
3. Notched flanges for easy anchoring.
4. Achieve a quality installation with our anchor package. Order Model 383344 which contains 4 anchor bolts, 4 flat washers, 4 plates and 4 nuts, all stainless steel.
5. Weather strip and an insulated sleeve for the supply line come with each unit.
6. Simple installation - no insulated tube needed; use an 8 inch tile; can be fitted on most existing pads.
7. Sealed bottom keeps out moisture and rodents.
8. Two 2-inch drain holes for fast cleanout.
9. Foam insulation between walls has an R-value of 7.50 per inch; contains no hazardous chlorofluorocarbons.
10. Double wall construction contains hindered amine light stabilizer, the most effective ultraviolet inhibitor.
11. Seamless sidewall cannot leak.
12. Tolerance to water level - you don't have to worry about summer and winter water levels. (If the water level is too high on a ball or flat type closure, closures can stick.)
13. Dependable, non-siphoning valve - proven and trouble free.
14. Animal friendly insulated flaps. Livestock can drink out of all flaps at the same time - not always so with ball closures. No pulleys and cables to foul and rust.
15. Shutoff kit available.

Precautions You Should Observe...

The key to trouble-free use is carefully read the installation instructions. You can probably use an existing tile if your supply line has stayed open with no supplemental heat. **THE NEW INSTALLATION MUST BE MADE WITHOUT THE SUPPLY LINE TOUCHING THE RISER TILE AND THERE MUST BE NO DEBRIS OR DIRT IN THE RISER TILE.** For best protection, we recommend that a new riser tile of at least 8" diameter be installed. There must be an airtight seal to the mounting pad. Brower units need to be installed on the level. There must be sufficient drinking activity.



ENERGY FREE SPECIFICATIONS

Shipping Model No.	Capacity	Approx. Animal Capacities	Inches (cm)		Overall Dimensions			Shipping Wt Lbs. kg
			Drinking Height	Drinking Opening	Width	Length	Height	
MPM10	10 gallons (37.9 liters)	100 hogs	11" (27.9)	7 x 7 1/2" (17.8 x 19.1)	19" (48.3)	38" (96.5)	20" (50.8)	61 (27.7)
MPM10A	10 gallons (37.9 liters)	100 sheep 100 calves	11" (27.9)	7 x 7 1/2" (17.8 x 19.1)	19" (48.3)	38" (96.5)	20" (50.8)	61 (27.7)
MPM20	20 gallons (75.7 liters)	150 beef 60 dairy	18 1/2" (47.0)	7 1/2" x 8" (19.1 x 20.3)	20" (50.8)	38" (96.5)	28" (71.1)	78 (35.5)

* All units are shippable via ground package.

Model VP224 valve is used in each waterer. For exact base dimensions and attachment locations, ask for publication ISHWPM, or go to our website. Animal capacities are an estimate only. We do not warrant that the capacities shown will apply to a specific operation.