



GEA Farm Technologies

Maxi-Pump

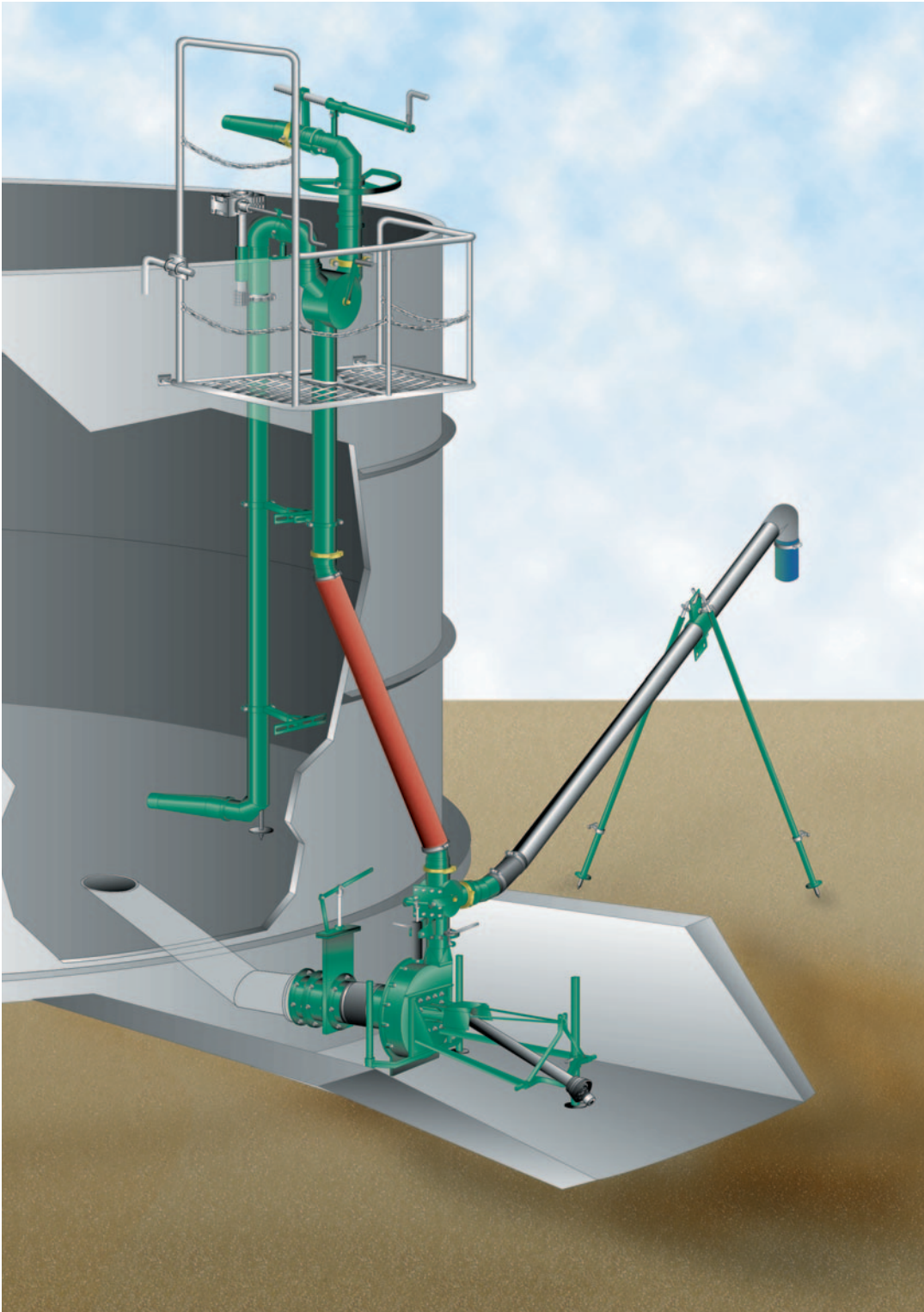
High capacity centrifugal pump



GEA Farm Equipment | [Houle](#)

GEA Farm Technologies - The right choice.

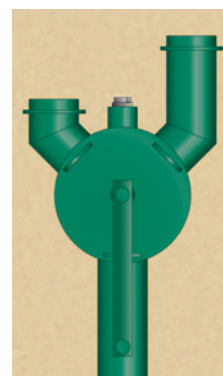
Maxi-Pump and side mount agitator kit



Advantages

- Powerful surface and bottom agitation for fast mixing of manure;
- A rubber hose between the Maxi-Pump and the reservoir absorbs vibrations.

Note: The Maxi-Pump can be installed above ground level to keep environment clean and help draining the pump once reservoir is empty.



Rotative selecto valve can be switched at full R.P.M.

Components specifications

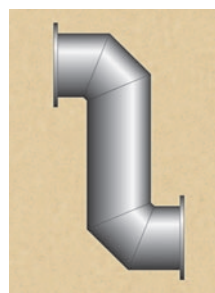
- Two kinds of 12" (305 mm) intake pipes are available to easily adapt most reservoirs;
- Hydraulic directional valve to select agitation of reservoir or loading of spreader;
- 20 feet (6 m) loading pipe;
- Large operating deck which attaches to the reservoir at the exact place wanted;
- Rotative valve to select surface or bottom agitation without decreasing R.P.M. of P.T.O. shaft;
- Surface nozzle with operating radius of 180° horizontal and 60° vertical;
- Bottom nozzle with speed reducer and operating radius of 180° horizontal.



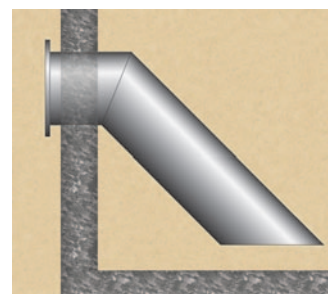
12" (305 mm) intake gate valve with 2 flanges



12" (305 mm) intake gate valve with hose adapter and flange



"S" shape 12" (305 mm) intake pipe to install the Maxi-Pump above ground



12" (305 mm) intake pipe installed through wall of reservoir

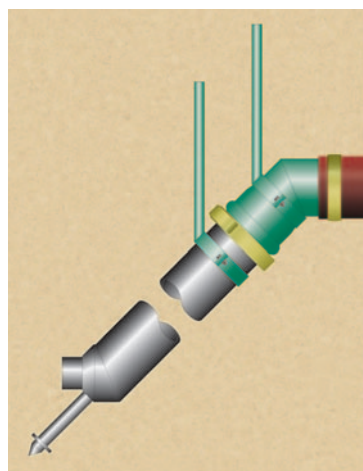
Maxi-Pump and port hole agitator

Advantages

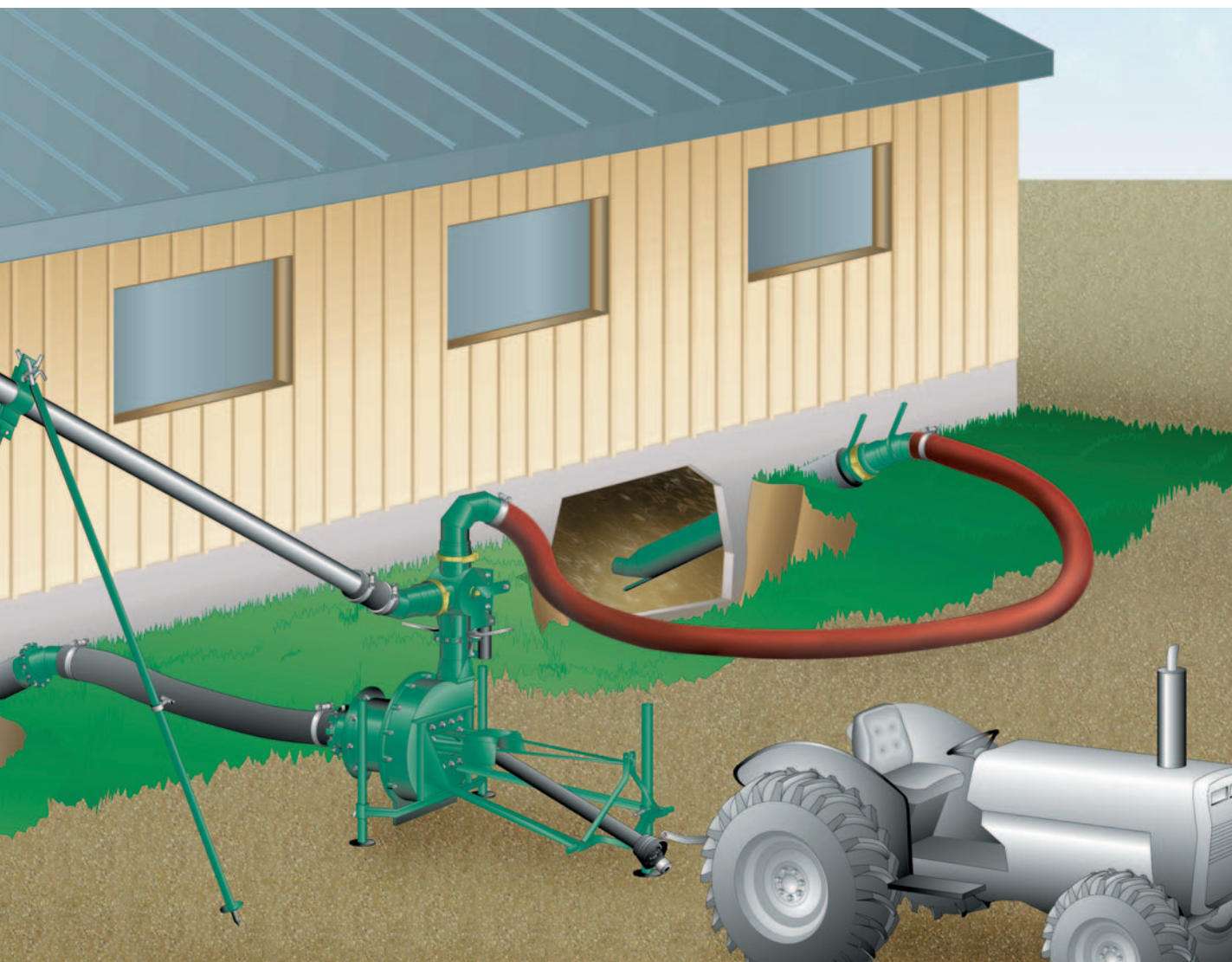
- Positive agitation to minimize solid residues between the port holes of pit;
- Loading capacity up to 1500 GPM (5 678 L/min.);
- No hose to connect to load the spreader.

Components specifications

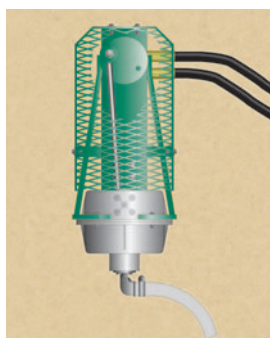
- Reinforced 6" (152 mm) suction hose with intake protector;
- Hydraulic directional valve to select agitation of pit or loading of spreader;
- 20 feet (6 m) loading pipe;
- 6" (152 mm) P.V.C. brown transfer hose (100 P.S.I.);
- Remote agitator (steel or aluminum) that rotates to help agitation between the port holes of pit.



Aluminum or steel remote agitator kit 12' (4 m) long with two rotative levers and 3" (76 mm) nozzle

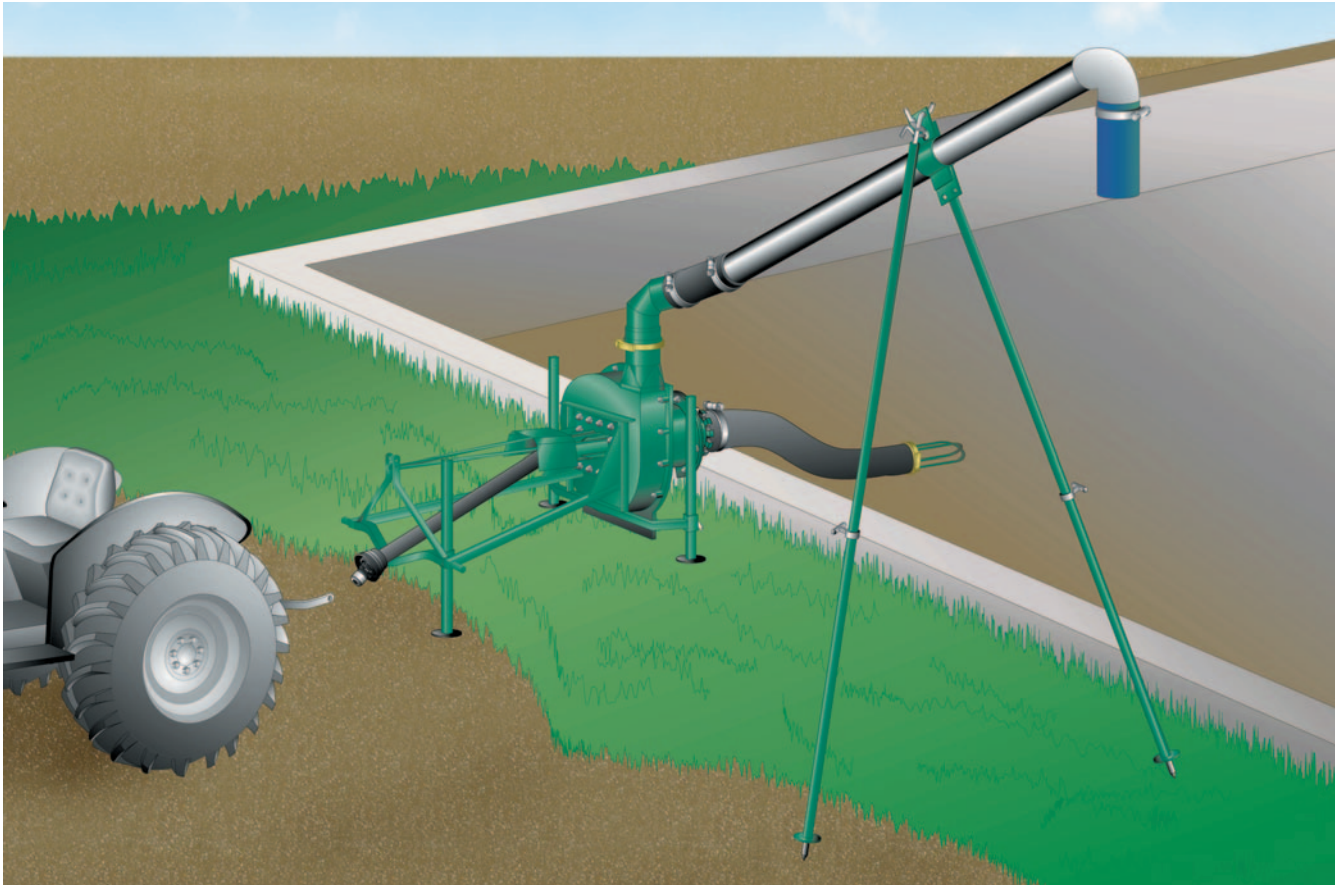


Hand primer pump with 6" (152 mm) gate valve



Optional hydraulic motor on primer pump

Maxi-Pump for solid manure platform

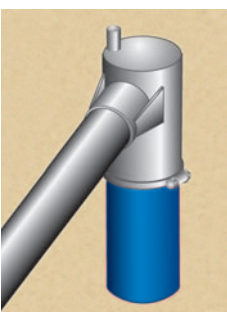


Advantages

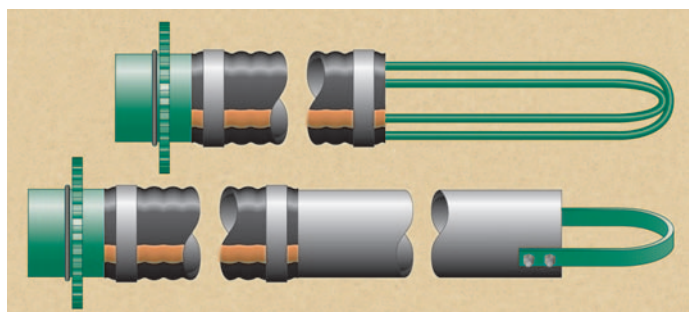
- Siphons water alongside the wall of platform to load solid manure with front end loader;
- Reduces the time required to load manure.

Components specifications

- Reinforced 6" (152 mm) suction hose with intake protector;
- 20 feet (6 m) loading pipe.



*Low pressure
discharge elbow
(in option)*



*6" (152 mm) rubber
suction hose alone or
with aluminium tube*

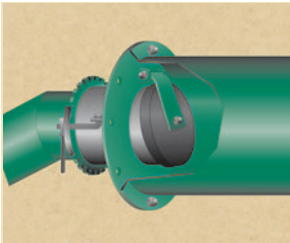
Maxi-Pump specifications

Standard equipment

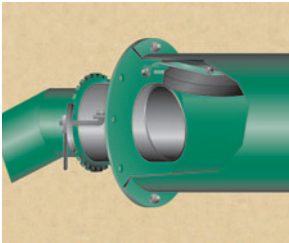
- 3 point hitch with adjustable legs;
- 20" (508 mm) diameter impeller with 6 blades (see chart below);
- Bearing assembly in oil bath protected by a greasable 3 seals mechanism;
- Intake flapper valve with thick rubber to positively shut against a stainless steel pipe;
- 6" (152 mm) intake and discharge.

Optional

- Maxi-Pump on trailer;
- Manual primer pump or primer pump with hydraulic motor;
- Impeller 28" (711 mm) x 540 R.P.M. or impeller 20" (508 mm) x 1000 R.P.M. (see chart below).



Intake flapper closed



Intake flapper opened



Maxi-Pump on trailer

Impeller	Tractor	Usage	Maximum Pumping head permitted	Maximum suction depth (water)
20" (508 mm) dia. x 540 RPM	40 HP min.	Pumping water from platforms	* 15 ft (4.5 m)	15 ft (4.5 m)
20" (508 mm) dia. x 1000 RPM	100 HP min.	Agitate and pump hog manure	* 55 ft (17 m)	15 ft (4.5 m)
28" (711 mm) dia. x 540 RPM	85 HP min.	Agitate and pump hog and cow manure	* 40 ft (12 m)	15 ft (4.5m)

* The maximum pumping head permitted shown takes consideration of the maximum suction depth. The amount of solids contained in the liquids will progressively reduce the maximum suction depth shown on the chart.

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