

MANURE PUMPS AND AGITATORS



HOULE

*Powerful PTO pumps and
agitators to handle liquid manure.*

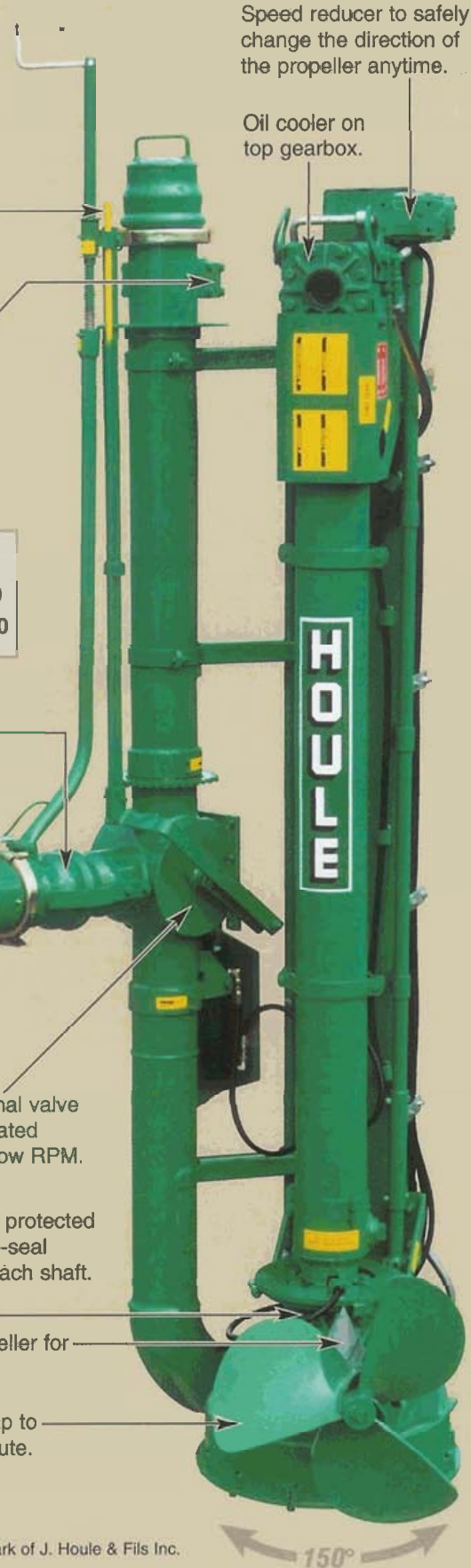
Agi-Pompe®

To homogenize and transfer liquid manure containing long bedding and bottom sediments.



Agitation Max. Consistency : 1 1/2"
Transfer Max. Consistency : 3/4"

Straw Sawdust



Speed reducer to safely change the direction of the propeller anytime.

Oil cooler on top gearbox.

Agitation/loading indicator rod.

Optional speed reducer to easily turn the nozzle.

6" discharge.
25 foot aluminum loading pipe on tripod.

Horsepower	
540 RPM	70 - 110
1,000 RPM	125 - 140

Ball-and-socket joint with stainless steel ball and urethane gasket.

3" to 4" nozzle sized to horsepower.



Rotative directional valve that can be operated while PTO is at low RPM.

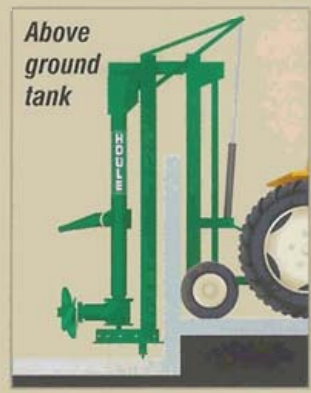
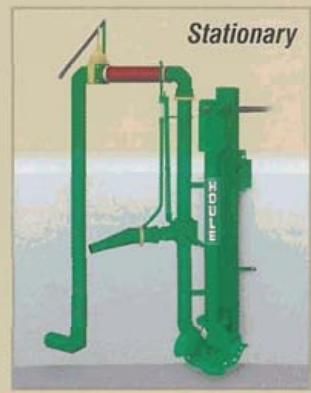
Gearbox oil bath protected by a greasable 3-seal mechanism on each shaft.

Knife kit on propeller for dairy manure.

24" propeller for agitation up to 21,500 US gallons per minute.




Agi-Pompe® and Super Pump Available in 5 Versions



Agi-Pompe® Impeller and Housing

20" impeller featuring self-cleaning blades and reversible knives at intake.



Sand

Optional abrasion resistant steel housing and bottom plate to pump manure containing sand bedding.

Fingertip Hydraulic Control Option

On Agi-Pompe®, controls the vertical articulation and the rotation of the nozzle, as well as the direction of the propeller.

On Super Pump, controls the rotation of the nozzles, and the vertical articulation of the upper agitation nozzle.



Super Pump

To agitate and transfer slurry with limited amount of chopped bedding.

Agitation Max. Consistency : 2 1/4"	
Transfer Max. Consistency : 3/4"	
Straw	Sawdust

Agitation/loading indicator rod.

Optional speed reducer to easily turn the nozzles.

Oil cooler on top gearbox.

6" or 8" discharge.
25 foot aluminum loading pipe on tripod.

Horsepower

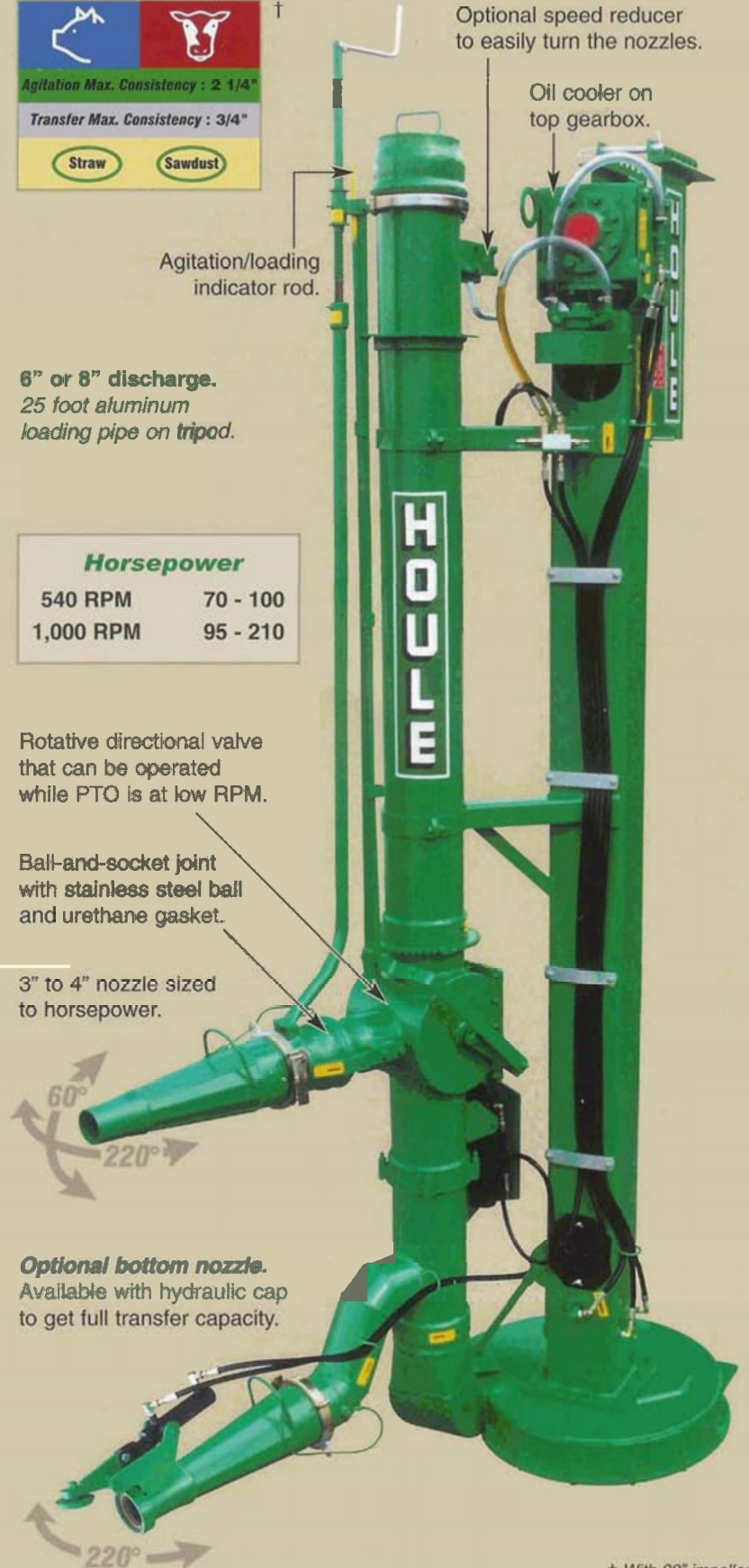
540 RPM	70 - 100
1,000 RPM	95 - 210

Rotative directional valve that can be operated while PTO is at low RPM.

Ball-and-socket joint with stainless steel ball and urethane gasket.

3" to 4" nozzle sized to horsepower.

Optional bottom nozzle. Available with hydraulic cap to get full transfer capacity.



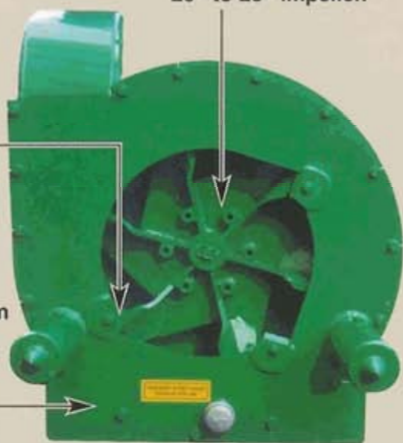
Super Pump Impeller and Housing

20" to 28" impeller.

Self-cleaning impeller blades with reversible knives at intake.



Optional abrasion resistant steel housing and bottom plate to pump manure containing sand bedding.



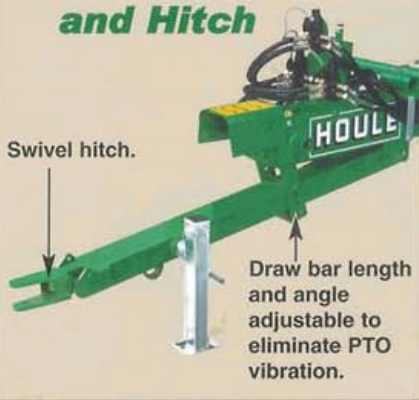
† With 28" impeller.

Pumps for Lagoon

52 Foot Agi-Pompe[®] with Heavy Undercarriage



Draw Bar and Hitch



Swivel hitch.

Draw bar length and angle adjustable to eliminate PTO vibration.

8" pivot.

Optional side articulated stabilizer wheels operated individually.

106" outside tires.
92" with wheels
between undercarriage.

204" overall



Agi-Pompe[®]

To rapidly homogenize liquid manure using a tractor 120 HP and up on 540 RPM.
1,000 RPM requires 160 HP minimum.



Super Pump

To handle heavy slurry using a tractor 90 HP and up on 540 RPM.
1,000 RPM requires 180 HP minimum.

‡ With 28" impeller.

- Undercarriage with flotation tires.
- Heavy duty drive line with #55 PTO available on all models.
- 8" pump discharge, directional valve and loading pipe available for faster loading.
- Wide range nozzle with double-hinge articulation.
- 25 foot aluminum loading pipe on tripod.
- Solenoid valves available to operate 2 pump functions per each tractor hydraulic port.



Abrasion resistant steel housing and bottom plate available to pump manure containing sand.

Super Pump Housing and Impeller



6" or 8" directional valve that can be operated while PTO is at low RPM.

26" or 28" impeller with 540 RPM
OR
23" impeller with 1,000 RPM.

Self-cleaning impeller blades with reversible knives at intake.

Shredder blades to break up large chunks.



Standard Undercarriage on 32 and 42 Foot Pumps



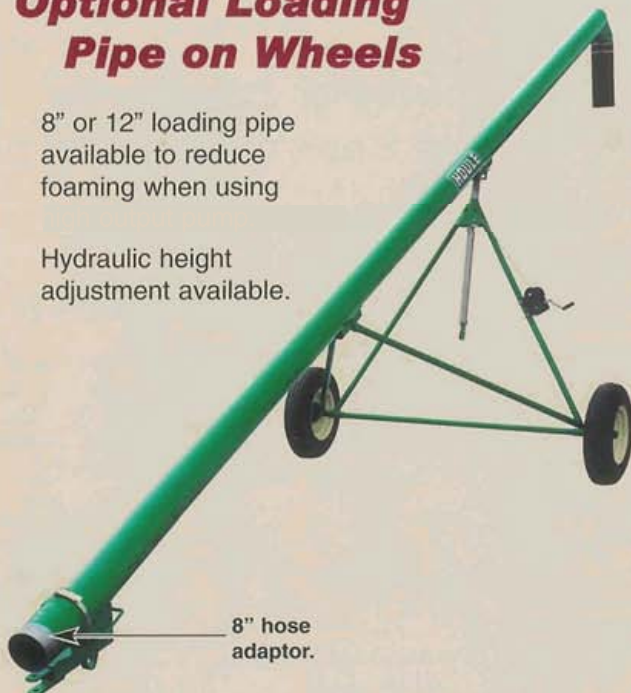
Pump length	Depth of lagoon*
32 ft.	14 ft.
42 ft.	18 ft.
52 ft.	22 ft.

* Slope 2 to 1.

Optional Loading Pipe on Wheels

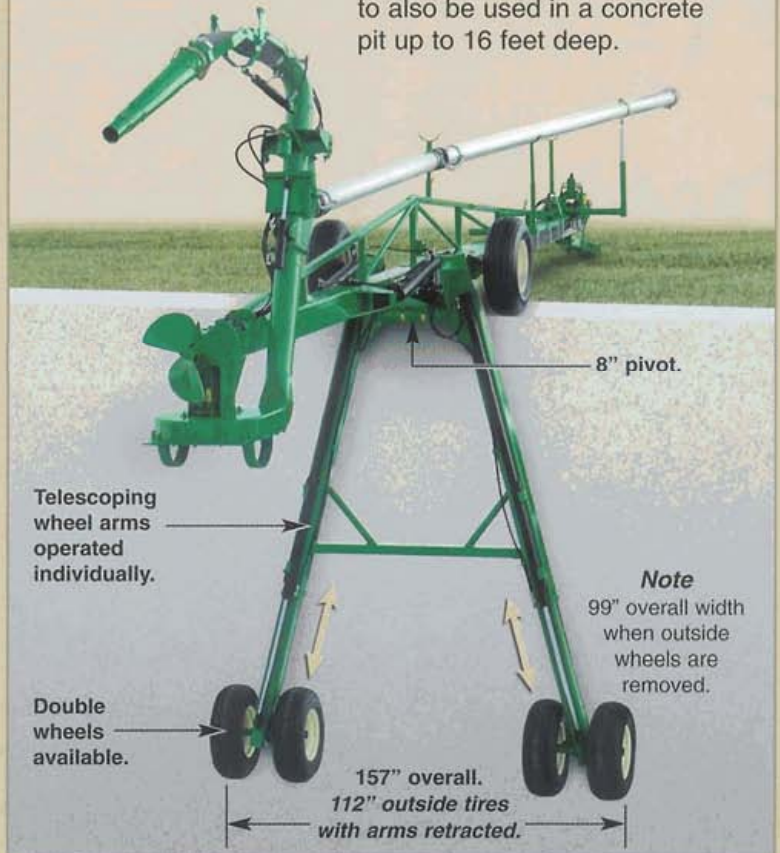
8" or 12" loading pipe available to reduce foaming when using

Hydraulic height adjustment available.



Multipurpose Undercarriage

Available on all lagoon pumps to also be used in a concrete pit up to 16 feet deep.

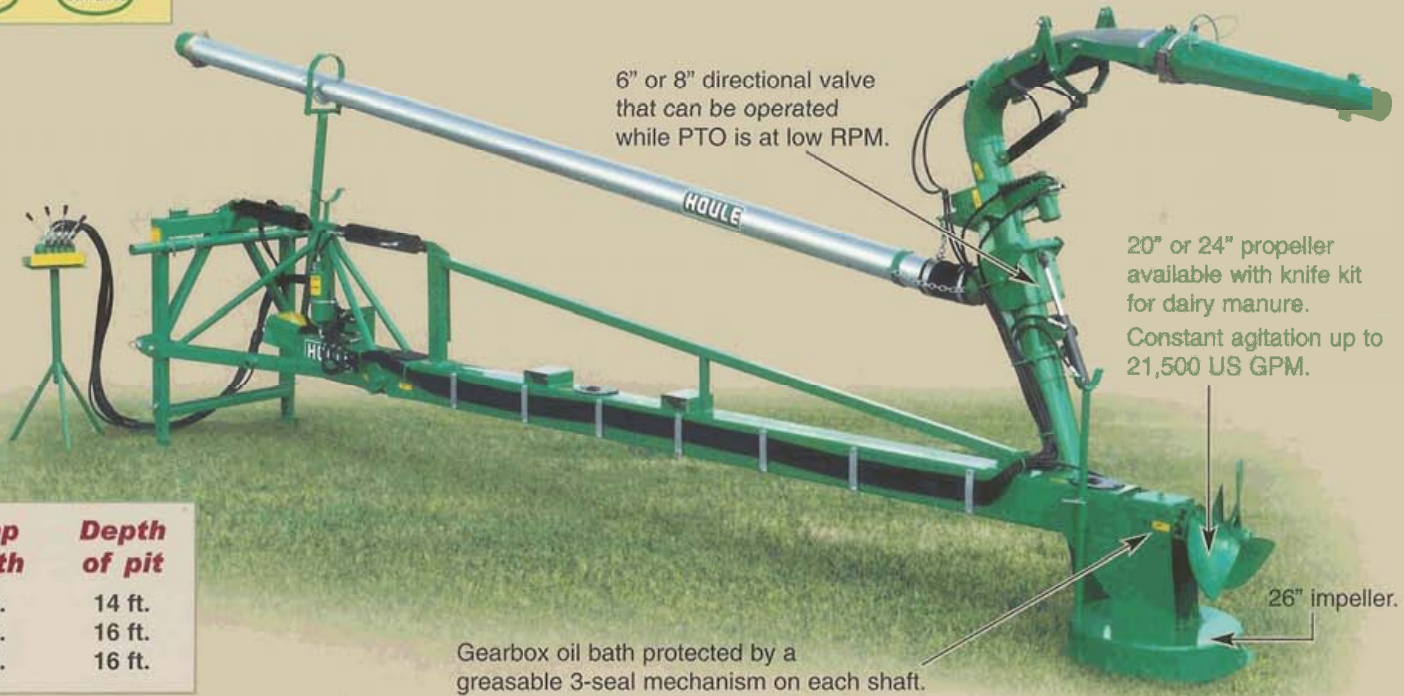


3-Point Hitch Articulated



Agi-Pompe®

To rapidly homogenize liquid manure in a pit using a tractor 120 HP and up. 540 RPM only.



Pump length	Depth of pit
18 ft.	14 ft.
21 ft.	16 ft.
24 ft.	16 ft.

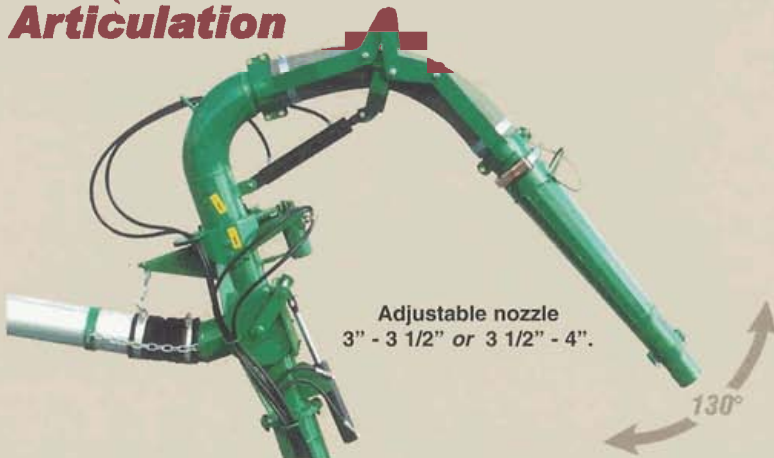


Abrasion resistant steel housing and bottom plate available to pump manure containing sand.

- Heavy duty drive line with #55 PTO.
- 8" pump discharge, directional valve and loading pipe available for faster loading.

- Wide range nozzle with double-hinge articulation.
- 25 foot aluminum loading pipe on tripod. Loading pipe on wheels available.
- Solenoid valves available to operate 2 pump functions per each tractor hydraulic port.
- Wheels and tow bar kit available for road traveling.

Nozzle with Double-Hinge Articulation



Adjustable nozzle 3" - 3 1/2" or 3 1/2" - 4".

Wide operating range nozzle with rotation of 320° to agitate around the pump housing or away in the reservoir.

Standard on 3-point hitch articulated and lagoon pumps.

Hitch on Agi-Pompe® and Super Pump

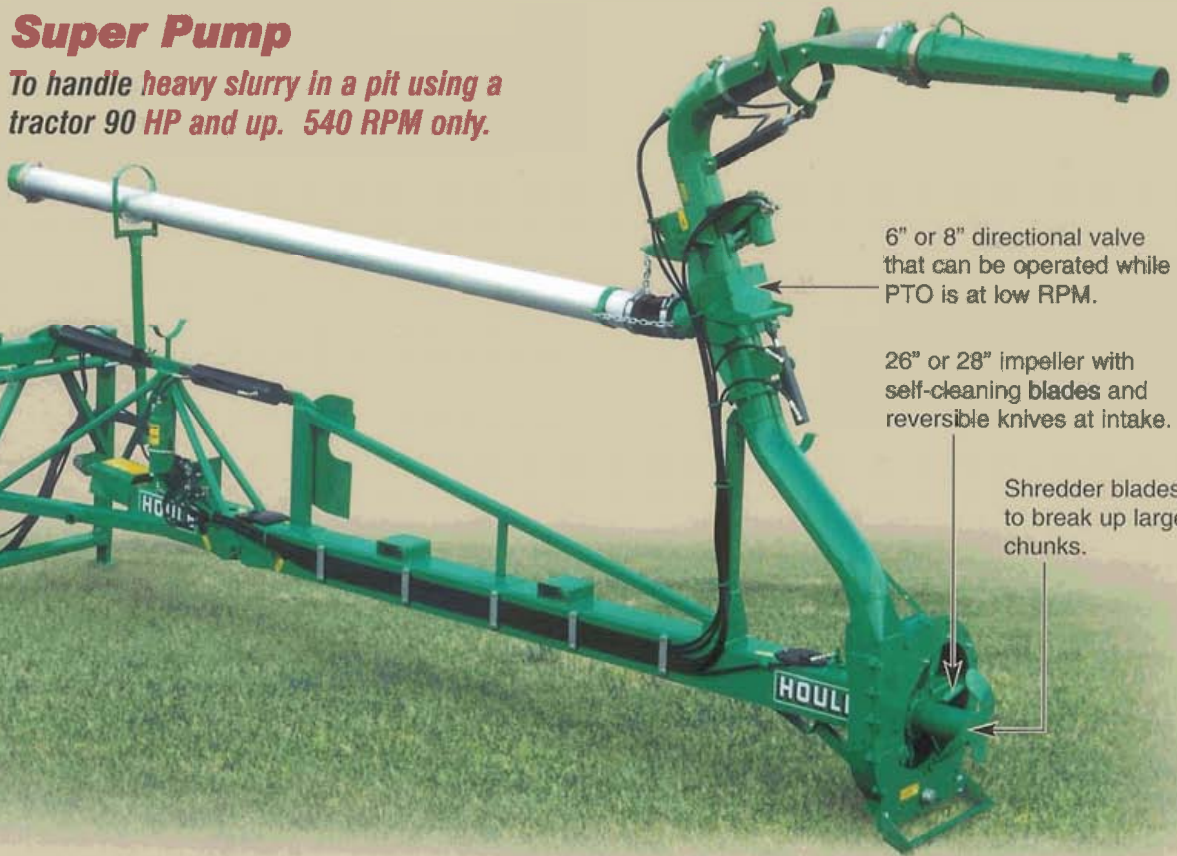
Fingertip hydraulic controls portable on all 3-point hitch articulated and lagoon pumps.





† Super Pump

To handle heavy slurry in a pit using a tractor 90 HP and up. 540 RPM only.



6" or 8" directional valve that can be operated while PTO is at low RPM.

26" or 28" impeller with self-cleaning blades and reversible knives at intake.

Shredder blades to break up large chunks.

Pump length	Depth of pit
17 ft.	13 ft.
18 ft.	14 ft.
21 ft.	16 ft.



Abrasion resistant steel housing and bottom plate available to pump manure containing sand.

- Heavy duty drive line with #55 PTO.
- 8" pump discharge, directional valve and loading pipe available for faster loading.

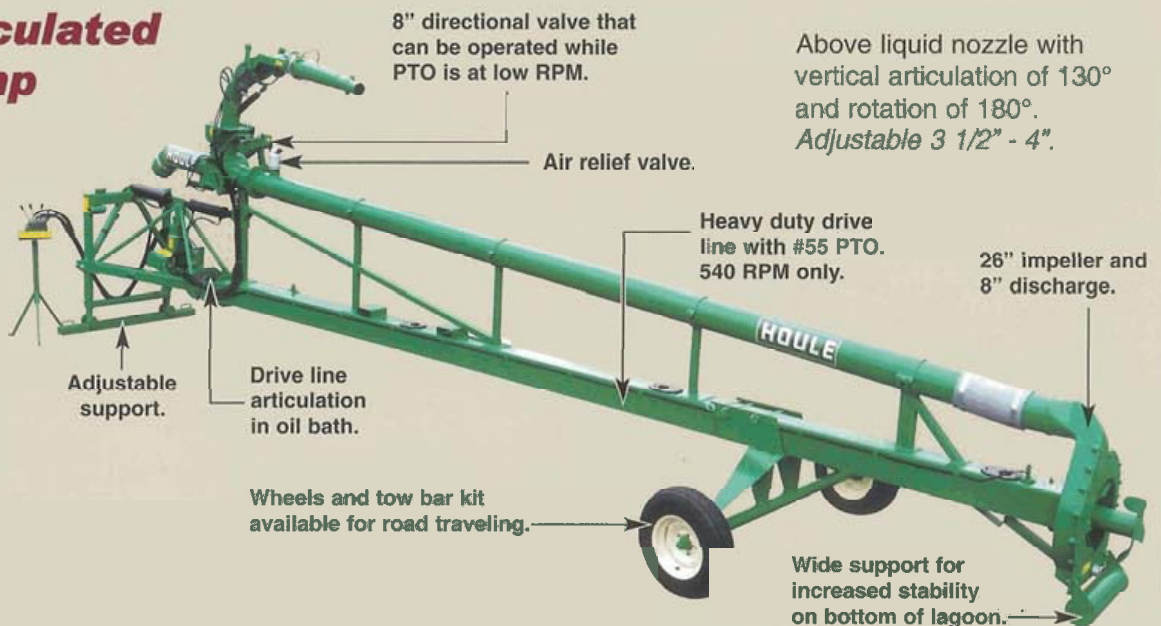
- Wide range nozzle with double-hinge articulation.
- 25 foot aluminum loading pipe. Loading pipe on wheels available.
- Solenoid valves available to operate 2 pump functions per each tractor hydraulic port.
- Wheels and tow bar kit available for road traveling.

† With 28" impeller.

32 Foot Articulated Super Pump

To handle heavy slurry using a tractor 120 HP and up.

For lagoon up to 25 feet deep with steep bank.



8" directional valve that can be operated while PTO is at low RPM.

Air relief valve.

Above liquid nozzle with vertical articulation of 130° and rotation of 180°. Adjustable 3 1/2" - 4".

Heavy duty drive line with #55 PTO. 540 RPM only.

26" impeller and 8" discharge.

Adjustable support.

Drive line articulation in oil bath.

Wheels and tow bar kit available for road traveling.

Wide support for increased stability on bottom of lagoon.



Agitator

Large screw for faster agitation without splash and less odors.



Different models of propeller available to agitate up to 33,500 US GPM.

Heavy duty propeller with bearings in oil bath protected by a greasable 3-seal mechanism.



Portable fingertip hydraulic controls. Solenoid valves available to operate 2 pump functions per each tractor hydraulic port.

540 RPM heavy duty drive line with #55 PTO.

Wheels and tow bar kit available for road traveling.

3-Point Hitch Articulated

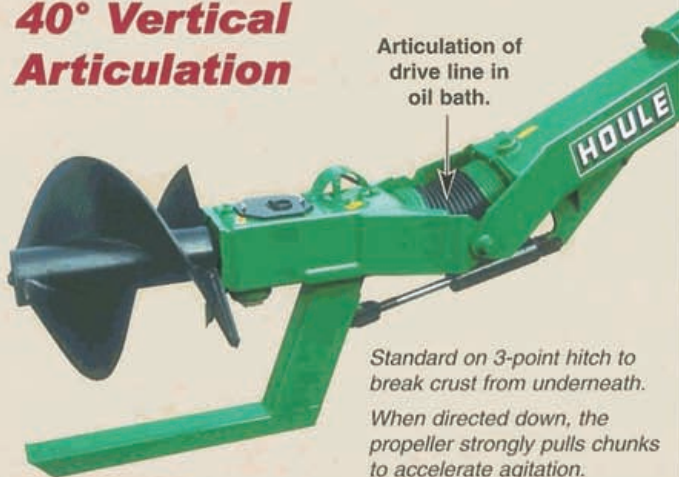
Length of agitator	Depth of pit
27 ft.	16 ft.

Lagoon Agitator with Undercarriage on Wheels

Length of agitator	Depth of lagoon*
32 ft.	14 ft.
42 ft.	18 ft.
52 ft.	22 ft.

* Slope 2 to 1.

40° Vertical Articulation



Articulation of drive line in oil bath.

Standard on 3-point hitch to break crust from underneath. When directed down, the propeller strongly pulls chunks to accelerate agitation.

60° Sideways Articulation



Available on 3-point hitch to agitate a wide area without moving the tractor.

HOULE

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