

AGITATION

EQUIPMENT CATALOG



BAZOOKA • FARMSTAR

WOLVERINE

SERIES AGITATION BOAT

The Wolverine Series agitation boat is equipped with two high-powered, articulating propellers that circulate massive amounts of liquid at a high velocity. Its components are easily accessible, resulting in a lower cost of ownership over the lifetime of the product. The Wolverine is extremely productive on the job and easy for you to operate and service.



BAZOOKA BENEFITS

- Agile
- Efficient
- Low-Maintenance
- Powerful
- Stable

PERFORMANCE REPORT

Kevin Mader

Minnesota Valley Pumping | New Prague, MN

"I've had the opportunity to run the Wolverine Series Agitation Boat, and I had a very positive experience not only from an operational but performance standpoint. This machine is exactly what you want out of an agitation boat as it saves me time and my customers' money. It is simple and easy to operate, gets in and out of the lagoons extremely well, and more importantly, it efficiently reaches and mixes solids that have been left untouched for years. I have a dairy site I pump every year, and this specific customer noted that the lagoon was pumped lower than he had ever seen it before. He went on to say we saved him \$23,000 (530 head of dairy cows, 5.25 million gallons) in expenses from eliminating the need to run four stick agitators and contracting a construction company to come in and use a long-reach backhoe to get the solids the agitators couldn't, to free up more storage space."

AN ANIMAL ALL ITS OWN.



TAKE A TEST DRIVE!

GPS INTEGRATION

GPS technology is a standard integration on the Wolverine Series. 3 GPS modes are available to users, these modes consist of cover, point-to-point, and anchor modes.

PROPS ACHIEVE 24,000+ GPM

The propellers are powered on their own hydraulic system, giving you the freedom to put all 302 engine HP directly into the props to agitate without compromise to mix more gallons per day. The propellers can be trimmed to automatically return to the specific degree you program them to run, and an impact protection feature has been built-in as an extra safety measure to keep you up and running even when you run into rough waters.

CONTROL FIT FOR A (MANURE) KING

This machine functions using zero gate valves and consists of only eight hydraulic cylinders, four of which control the propellers. This hydraulic setup allows the two propellers to stay synchronized and react precisely to remote control inputs, providing you with a high level of control and maneuverability while you are agitating. Did we mention no clutch is needed to agitate?

SUPERIOR STABILITY

The Wolverine has a low center of gravity with a centrally located fuel tank, with extra buoyancy naturally built-in with its side-float stature. All thrust from the propellers is produced directly below the machine eliminating any leverage outside of the boat's control, preventing a potential tipping hazard.

INNOVATIVE HYDRAULIC RESERVOIR

The Wolverine Series only requires 18 gallons of oil for the entire system. Why should you care? Less weight and low cost to service.

CUSTOM TOWING TRAILER AVAILABLE

GAMECHANGING DRIVE SYSTEM

The Wolverine's high torque drive system and large, aggressive tires have earned a second-to-none climbing status. Climbing out of steep banks is effortless and ultimately saves you time on the job.

BONUS: The sheer size and placement of the tires eliminate the need for complex raising/lowering hydraulic functions and act as propeller protection.

LOW-MAINTENANCE PUMP FOR THE WIN

This machine comes standard with an 18" Bazooka submersible pump, which has no mechanical seals, setting you up for more simple repairs when required.



RIPTIDE

SERIES VERTICAL PIT PUMP

The 3 pt. Riptide Series vertical pit pump is equipped with dual, independent nozzles and vertical plumbing pipes that produce top-of-the-line liquid manure agitation performance. This pit agitator is PTO-driven, built heavy-duty, and efficiently moves high volumes of fluid.



BAZOOKA BENEFITS

- Accessible
- Adaptable
- Effective
- Durable
- Reliable

PERFORMANCE REPORT

Isaac Eaton

Eaton Bros. Manure Handling, LLC | Waseca, MN

“I have used a lot of different brands and variations of agitation pumps throughout my pumping career, and I can confidently say I prefer agitating with the Riptide for several reasons. This agitation pump is very compact as it folds up onto itself, which makes it very quick and easy to maneuver and place in the pit. Another aspect I really like about this agitation unit is that I am able to force-feed hose and agitate at the same time, which I have not been able to do efficiently with other pumps. Lastly, this pump can consistently move manure at high GPM rates, which again, makes my operation more efficient.”

BEGIN WITH **GREATNESS.**



TAKE A TEST DRIVE!

NARROW PROFILE

This agitation pump's narrow profile makes access down into a manure pit easy. The agitation nozzles fold into the center of the pump, maximizing its compactness for ease of use when setting up and traveling to the next job.

DISCHARGE OPTION

The Riptide has dual, 6" vertical pipes that merge into a single, 8" discharge pipe. The standard model is a low-cost, agitation-only solution. Add the optional 8" discharge and pipe elbow and pivot the discharge off either side of the tractor for flexibility when placing a load stand or force-feeding a pump.

ACHIEVE 4,000+ GPM

The Riptide is equipped with an 18" Bazooka submersible pump and can move 4,000+ gallons per minute at a recommended 150-180 horsepower.

8' - 9' PUMPING DEPTH

VERSATILITY

The legs of the submersible pump can be raised and lowered. The dual category hitch pins can be flipped, making this PTO pump compatible with a broad range of tractors.

INDEPENDENT AGITATION NOZZLES

The dual, independent nozzles reduce from 6" in diameter, down to a 3.5" outlet. The upper and lower nozzles can rotate in opposing directions to increase output and keep solids in suspension. The upper nozzle can also maneuver up and down to maximize agitation performance.

BONUS: The indicators located above the vertical plumbing pipes show nozzle direction and knife valve positions to enhance user awareness.

3 PT. HITCH

Short and long hitch options available.

STOWABLE SUPPORT LEGS

SIMPLE SERVICE SOLUTION

This pit pump was built with reliability front-of-mind. The lubrication pump is driven directly off the gearbox output shaft to reduce the chances of overheating and forced shutdown. With this, the gearbox and bearing housing run on tractor hydraulic oil, saving you in maintenance costs. The dual outlet pump has a hardened shaft with no mechanical seals, heavy-duty bearing housing, and a 4-bolt quick-access suction cover to quickly clear it of obstructions.



AGITATION TRAILER

The Renegade agitation trailer is the epitome of efficiency. This agitation solution makes life on (and between) the worksite easier and lets you focus your time where it matters. Achieve efficiency agitating, transferring, filling tanks, or force-feeding from a liquid manure source with the Renegade.



BAZOOKA BENEFITS

- Resourceful
- Practical
- Customer-Centric
- Compact

PERFORMANCE REPORT

Ryan McClure

McClure Custom Pumping, LLC | Kirkwood, IL

“Every custom manure applicator knows the tractor set aside for the agitation pump is the oldest, most outdated tractor on the farm. The Renegade has allowed my crew to eliminate the headaches that come along with dealing with a tractor at the agitation site altogether. It has also decreased the amount of time it takes us to set up and travel from job to job. The Renegade is compact enough to pull behind my truck at 65 MPH, and I can drive right up next to the manure source and get to work quickly. Agitation and pump performance has been top-notch, and I can fill tanks faster than I can with my alternative solutions.”

DO MORE **FASTER.**



TAKE A TEST DRIVE!

ACCESSIBLE 8" DISCHARGE

The discharge and 2 hose connection locations are on the lower section of the boom structure, so the discharge hose can be conveniently connected at chest height while in the pit.

DUAL AGITATION NOZZLES

with 3.5" diameter outlets that can rotate 180° for thorough agitation.

14' PUMPING DEPTH

SMALL BUT MIGHTY & EFFICIENT WORKFORCE

The Renegade eliminates the need to have an additional pump or tractor to transport to the next job or needing to use the farm's equipment. This reduces downtime in setting up and moving sets. Start the agitation process long before the tractors arrive. **Tow the Renegade at highway speed**, pull right up to the manure source, and get to work.

29' TRIPLE-SECTION BOOM

for high maneuverability and quick set-up in tight locations.

HYDRAULIC HOSE REEL

holds up to 100' of 8" hose.

LED FLOOD LIGHTING

throughout the trailer.
[Shown with the optional halo.]

13 SQ. FT. BUILT-IN STORAGE

for convenient parts and tool storage.

UP TO 3500 GPM

with a 15" Bazooka submersible pump and 180 CC hydrostat motor configuration. [Comes standard with 125 CC motor, rated for 2900 GPM.]

173 HP ENGINE

OPTIONAL 8" FLOWMETER

REMOTE CONTROL OPTIONS

Boom and tank fill remote controls available.

150-GALLON STEEL FUEL TANK

provides 16+ hours of continuous run time.

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