

# MASTER

MAKING EASY WORK OF HARD WORK

## HydroMaster 1000



THE SMALL TRAILER UNIT WITH  
BIG HYDROVAC TRUCK BENEFITS

# IT'S SMALL BUT MIGHTY POWERFUL AND MIGHTY EASY TO USE

**The small trailer unit with big hydrovac truck benefits. The HydroMaster 1000 makes work easier by packing big time functionality into a small but mighty footprint. It's the quick and easy way to excavate more, with less mess and less fuss.**

The HydroMaster 1000 brings the benefits of big truck functionality to a smaller, more maneuverable trailer unit. This makes it easier than ever to use a hydrovac without having to compromise on functionality.

For a start, there's the hydraulically controlled over-centre latches on the rear door (we call it the LatchMaster). These let the operator open and dump out the contents without fear of getting covered by it, as is the case with typical doors that just have a turning knob.

We've done away with the old screw-type latch door that's prone to leaking on the road and constantly threatens to give the operator a face-full of spoils when opening. Instead, our LatchMaster system uses a hydraulic over-centre door latch that locks the rear door perfectly every time. There's no vacuum reliance and no mess. Just a perfectly tight seal that stays that way, and when it's time to open it, there's no chance of getting covered in mess so the operator gets away cleanly every time!

Then there's the boom. This telescopic and spring-assisted system does the heavy lifting so the operator doesn't have to. It takes up the weight of the filled suction hose so you can concentrate on directing the hose to where it's needed. No strain and no user fatigue.

What else? The HydroMaster 1000 uses a liquid ring vacuum system the same as big trucks. It'll work equally well in all conditions and doesn't require an air gap to work like other trailer units. So yeah - you can dump the hose into water without losing suction.

# WHY YOU'LL USE THE HYDROMASTER 1000

- **A liquid vacuum ring** means you never lose suction and can dump the hose straight into water or sludge. There's no expensive filters to replace or maintain.
- **The LatchMaster system** makes opening and closing the rear door easy, with no threat of spilling the spoiled contents over the operator or over the road during transportation.
- **We designed it to be self-clearing** with a suction hose that has male couplers on each end and can be quickly reversed for self-clearing of blockages.
- **A 240 degree boom rotations** lets users can easily manoeuvre the hose using the telescopic boom, taking the weight and making operating the HydroMaster a breeze.
- **The vacuum unit** is not dependent on another vehicle or unit for use. It makes a real difference!
- **Keep not maintained really easily** with simplified off-the-shelf componentry making it easy for self-servicing and upkeep.
- **Balanced when empty and dull**, it's safer to tow and less jarring than other units that place disproportionate weight on the ute or the rear axle.
- **Highly mobile and manoeuvrable**, the HydroMaster can be easily towed and helps save operators money and complications, with no H2 licensed driver needed for transporting from site to site.



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# HYDROMASTER 1000



- 1 1000L Spoils Tank:** With hydraulic tipping.
- 2 Liquid Ring Vacuum.** Dump the hose straight into water or sludge and never lose suction. There's no expensive filters to replace or maintain.
- 3 Hydraulic Door Latches:** Secure overcentre door latches, quick, clean and easy.
- 4 Spring Loaded, Telescopic and Rotational Boom:** Takes the heavy lifting out of the suction line, reduces fatigue and increases productivity. Position the boom where you want through 240 degrees.
- 5 Kubota 4 Cylinder Engine:** Common and reliable. Easy to maintain.
- 6 Suction Hose Rack:** Keeps your suction hose tidy and secure. 7 meter Suction Hose.
- 7 Vacuum Gauge:** Easy viewing of suction power.
- 8 Stand Pipe:** Easy to access and fitted with camlock fittings and handles for ease of use.
- 9 Large Water Blaster Water Tanks:** Fitted to the side and underneath the trailer chassis, gives you plenty of working time. 380 Litre capacity.

## FEATURES & BENEFITS



**10 Heavy Duty Drawbar:** Reliable and sturdy for towing.

**11 Fully Galvanized Chassis:** Ensures longevity and resistance to rust.

**12 Braked Trailer:** Enhanced safety during transportation.

**13 Vacuum Pump Service Water Tank:** Provides cooling water needed for the vacuum pump.

**14 Diesel Fuel Tank:** 45 litres.

**15 2-inch Remote Filler:** Equipped with camlock connections for quick and secure filling.

**16 Retractable Hose Reel:** Easy access to the water blaster. Easy to reel and unreel.



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# SPECIFICATIONS

## Water Blaster & Pump Specifications

### FEATURE

<b>Vacuum Spoils Tank</b>	1m <sup>3</sup> Capacity
<b>Suction Hose</b>	3" Inch
<b>Water Blaster Wands Length</b>	1200 & 2000mm
<b>Standpipe</b>	1 Metre
<b>High Pressure Water Nozzle</b>	Turbo Nozzle

### Trailer Specifications:

- **Dimensions (LxWxH):** 4570×2010×2200mm
- **Weight (Empty):** 2410kg
- **Weight (With Water):** 2980kg
- **Axles:** Tandem 3500kg Rated
- **Coupling Tow Hitch:** 1-7/8" Inch
- **Tire Size:** 15 inches
- **Braking System:** Mechanical

# THE BEST OF BOTH WORLDS



Hire gear doesn't have an easy life. Customers have high expectations, with machinery expected to work regardless of how rough it's treated. There's also an expectation that the machinery is easy to use. In fact, the entire reason most machinery is hired is so it can make work easier for the hirer. And that makes for a perfect testing ground for equipment like the HydroMaster 1000, which makes work easy by packing big time functionality into a small trailer unit.

Jonty at Allways Hire has been hiring out the HydroMaster 1000 for the last 7 months, collecting feedback from clients. "It's been going to service relocators like electricians, and lots of civil companies finishing off sub-divisions, as they go around cleaning out the sumps, which it's really good at. The feedback has been really good, especially as the HydroMaster is not the typical machine in a hire fleet."

The hire experience starts at pick-up and good hire companies know they can win over a client or lose them that early. The longer the pick-up and machine induction takes, the lower satisfaction often creeps, so a non-typical machine like the HydroMaster 1000 could pose a problem when introduced into a hire fleet and rented to lots of 'newbie users'. In that regard, it's not dissimilar to handing over the keys to junior team members and needing them to instantly be able to use the machine. And this is why we designed the HydroMaster 1000 to be intuitive.

"It's all made as simple as possible. A lot of clients have never used a hydrovac before and within 5 to 10 minutes, they know how everything works and can go off and do a job." says Jonty. "For non-experienced users it's great."

Having the unit on a trailer that can be towed behind the regular site ute is great, too. "Anyone can pick it up and use it. There's no need for a class 2 license and we've found that really appeals because it makes hiring easier. For owners, I imagine it would make moving it from A to B easier." offers Jonty.

He's right. The HydroMaster trailer is braked and balanced, and that makes it easy to move and a pleasure to tow. At 3.5 tonnes the driver will still know it's there but they won't feel it squirm and jerk around, especially when compared to other hydrovac trailer units. The reason for this is because the design means the HydroMaster 1000 remains as balanced when it's empty as it does when full.

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As Jonty mentioned, many of his clients are civil contractors using the HydroMaster to clean out sumps. It's a pretty common use for such a machine and serves as a good example for highlighting why this machine makes work easy.

"The telescopic boom is a big deal. The suction obviously causes a degree of jerking and pulsing as the sludge is sucked up. Big lumps of mud and suchlike can move the hose around but with this machine, the boom and the suspension system takes all the strain. There's no weight on the user's back and they just have to direct the hose to the right area" explains Jonty. "That makes a huge difference over the course of a busy day.

What also makes a big difference is that liquid ring vacuum. Users can dump the hose straight into water, with no loss of suction. Indeed, for many first-time operators this is exactly what they do. But try that with a more traditional hydrovac and they might struggle.

"It's a lot better than other units because you can drop the suction hose underneath the water level. It'll suck as hard as you need it to and doesn't need any air. We've had experience with blower vacs and they need an inch or so of air, but the hose wants to suck onto the water surface and you end up always pulling the hose up and down and having to adjust it. The HydroMaster does away with that hassle," offers Jonty.

There's another plus to the liquid ring vacuum that makes it suitable for hire companies but applies to purchasers too - it's low maintenance: "We don't know what anyone's experience is or how they treat gear so it has to be hardy, and the liquid ring pump is really hardy. It puts up with everything and maintenance is really low."

Again, Jonty is right. The HydroMaster is also easy to fix should something go wrong, not that much will. The most inconvenient aspect of a hydrovac is usually dealing with a blockage, so we've sorted that too. The hose has two male ends and you can flip them around to reverse a blockage easily. For new users and hirers, it makes a real difference: "That has been a game-changer when hiring it" states Jonty, knowing customers can easily unblock the vac without issue and if they've forgotten the induction lesson, a quick call is all it takes to explain it again.

Finally, there's what we consider to be the 'tidiest' part of the design: the LatchMaster. This is our own hydraulically controlled over-centre latch on the rear door. They allow the operator to empty the spills while standing well clear of the spill zone. Traditional screw-type latch doors don't do this and there's a quick dance needed to get out the way or they'll get covered in the stuff you want to get rid off. It can make for a nasty surprise if you don't know what to expect. We imagine it would make for a very unhappy hirer. For Jonty and Allways Hire, the hirers have all been happy though, as are they.

**"What sets this hydrovac apart is the functionality and usability. It has features you'd expect of a truck-based hydrovac but is easy-to-use and has the advantages of being a trailer unit. It's a real step forward and combines the best of both worlds."**



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