

PRODUCT RANGE > EFFLUENT & SLURRY>

UMBILICAL EFFLUENT SYSTEM



farmChief. Implements for the best
farmers in the world.

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EFFLUENT UMBILICAL SYSTEM

FarmChief has worked the land for generations and we plan to be here for many more. Our high-spec implements provide farmers and contractors around the country with the best ways to cultivate, sow, harvest, manage nutrients and generally keep things going to make the most of New Zealand's potential.

ORGANIC FERTILISER - MORE POPULAR THAN EVER!

Have you considered all of your options, and potential savings, when it comes to spreading your own effluent & slurry?

Artificial fertiliser prices have soared over the last 24 months and manufacturers are limiting production. Combined with increased environmental regulations, this is reason enough for many FarmChief customers to take a critical look at their fertiliser usage. Spreading organic effluent is a surging trend in New Zealand, and as suppliers of a range of world-leading slurry umbilical systems, tankers, applicators, muck spreaders, mixers and pumps, you can be sure to turn to FarmChief for all the advice you need.

A sustainable alternative artificial fertiliser will be crucial for ensuring optimal crop growth and performance.

Not only is organic effluent and slurry proven to be an effective fertiliser for New Zealand farms, but it's also convenient and cost-effective in the long term. In addition, strategic fertilisation at the root of the plant is by far the most efficient and the most environmentally friendly method of manure application.

Feedback from our customers, both contractors and farmers, indicate that the FarmChief range effluent solutions are more efficient, last for longer and provide great output than others they've used.



EFFLUENT UMBILICAL SYSTEM

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FarmChief Umbilical Drag Hose Slurry Systems are market leaders and the next generation in nutrient management; minimising impact on soil and reducing disruption to herd movement.

FarmChief Machinery has traveled the world and found the ideal machines for New Zealand conditions and have brought them back here to supply the best farmers in the world.



These fully scalable systems effortlessly help with environmental compliance, minimise soil compaction and recycle nutrients more effectively – which, alone, can save you thousands.

The volumes transferred are hard to beat.

The FarmChief Umbilical System, can deliver up to a staggering 300,000 litres per hour, making over 1,000,000 litres per day achievable. It also does that without getting in the way, or disrupting herd movement. The umbilical system is suited for large application rates close to the pond source and where compaction could be an issue.



CONTRACTOR TESTIMONIAL EASTERN SOUTHLAND



Tony backs the FarmChief Umbilical Slurry System because of the efficiency and the fact that they'll work at high volumes and in conditions where slurry tankers simply can't.

"There's little or no compaction of laneways or paddocks and it's a very effective way of moving large amounts of nutrient." He says the system is especially good on softer soils, where tankers could get stuck, as there are only the hoses to be placed down and reeled in. Some farmers find it so effective they choose not to use their own systems at all. "They just give us a call."

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EFFLUENT APPLICATORS

It's a simple enough question: What is the best method to apply the slurry for optimum results? The answer depends on what results you are after, how much you value your time and what your budget is.

FarmChief have three types of high-performing, robust and long-lasting applicators to suit your needs. Not sure which is best? Our team have the experience and team to set you on the right path.



TWIN SPREADER BAR

One of the simplest effluent application methods around. Our twin spreader bars have a 12m spreading width and have been engineered with our trailed reelers in mind.

They are certainly the most cost-effective option for wide spread of material.

Delivering low-level spread patterns with large droplets, the Twin Spreader Bar ensure even distribution with reduced impact and runoff, looking after your local waterways.

Built from high-quality materials, our spreader bars are galvanised as standard to help meet the most demanding operating environments. Our range offers machines to suit either farmer or contractor, whatever your reeler or spread width preference requirements.

- ▶ 12m spreading range
- ▶ 180° swing arm & optional 360° swivel joint for precise application
- ▶ Simple application method
- ▶ Minimal working parts means low maintenance
- ▶ Efficient work rates
- ▶ Twin slurry gate valves for independent side shut-off
- ▶ Low capital investment
- ▶ Low running costs & wear

MODEL	WEIGHT	REELER TYPE	WIDTH	HEIGHT
Contractor Plus	350kg	Bobbin or Mounted	2.30m	2.60m



EFFLUENT DRIBBLE BAR

Needing something to ensure a precise application of slurry while preventing run-off and nutrient loss? A FarmChief Dribble Bar is the answer.

Applying effluent via a dribble bar ensures the nutrients go where you want, reducing run off and material loss, while keeping the grass cleaner and reducing smell nuisance when compared to a spreader bar.

FarmChief Contractor and ContractorPlus Dribble Bars have working widths up to 12m wide and are certainly the strongest dribble bars around. The robust central frame design achieves close coupling, a narrow transport width and great strength to support reeler piggy-backing.

- ▶ Robust build quality
- ▶ Fully galvanised
- ▶ Heavy Duty 3-point linkage
- ▶ Vertical fold
- ▶ Minimal working parts means low maintenance



CONTRACTOR DRIBBLE BAR

Perfect for achieving a high-accuracy of placement, the Contractor Dribble Bar is fully galvanised, has an optional sponge blow-out valve and 180° swing arm with adjustable stops. The specially designed NovaCut distributor guarantees consistent and accurate material distribution, with uniform application across all of the 40mm distributor outlets, even feeding fibrous slurry. Continuous expansion of the hose joints from distributor to delivery hose eliminates any blockage opportunity.

MODEL	OUTLETS	WORKING WIDTH	WEIGHT	TRANSPORT WIDTH	TRANSPORT HEIGHT
Contractor 7531	30	7m	805kg	2.6m	3m
Contractor 9037	36	9m	885kg	2.6m	3m
Contractor 1241	40	12m	960kg	2.6m	3m



CONTRACTORPLUS DRIBBLE BAR

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If you're looking for more control over the application, choose the top-of-the-range ContractorPlus Dribble Bar. Fitted with a horizontally mounted NovaCut Distributor on each wing of the bar, the user can easily achieve hillside feathering, ½ side shut off or complete shut-off. Careful consideration has been given to the build, with it featuring improved rear visibility and ground-level access to the distributors.

- ▶ 9, 10 or 12 metre options
- ▶ Fully galvanised corrosion protection
- ▶ A Frame mounting points
- ▶ 180° swing arm with adjustable stops
- ▶ Sponge blow-out valve
- ▶ Anti-block pipework system
- ▶ Low-level twin NovaCut distributors
- ▶ Optional electro-hydraulic control
- ▶ Increased accuracy of placement
- ▶ Maintain clean operating equipment

MODEL	OUTLETS	WORKING WIDTH	WEIGHT	TRANSPORT WIDTH	TRANSPORT HEIGHT
ContractorPlus 9036	38	9m	935kg	2.75m	3m
ContractorPlus 1240	40	12m	1085kg	2.75kg	3m



TRAILING SHOES

Our unique Trailing Shoe design has been engineered with extensive knowledge of slurry management and is designed for use on grassland and arable land to achieve slurry application to the soil surface with minimum contamination to the plant leaves.

The Contractor Trailing Shoe is manufactured using a single beam frame and the trailing shoe units are mounted via sprung steel carriers spaced at 250mm. Each unit is fitted with a replaceable cast tip which parts the crop leaves, allowing slurry to be delivered to the soil surface via a rubber placement boot. The unique scorpion style swing arm guarantees pipe/shoe unit clearance when turning, ensuring complete field slurry cover and operator comfort.

- ▶ Robust build quality
- ▶ Fully galvanised corrosion protection
- ▶ HD 3 Point Linkage
- ▶ Vertical fold arms
- ▶ Pivoting two-piece swing arm
- ▶ Single NovaCut Distributor and hyd gate
- ▶ 40mm outlets
- ▶ Cast replaceable shoes
- ▶ Blowout valve included as standard
- ▶ Optional flow meter ready

MODEL	OUTLETS	WORKING WIDTH	WEIGHT	WIDTH	HEIGHT
Contractor 9037	36	9m	1500kg	2.8m	3.2m



EFFLUENT CHOPPER PUMP

Priming umbilical systems or moving your slurry, our range of robust, long-life pumps will see the job done right, every time.

Featuring the unique, spiral-draw chopping mechanism which is integrated into the impeller, the pump is designed to provide a smooth, consistent feed.

The frame's design incorporates strength, durability, and ergonomic features to ensure it is the most robust frame on the market.

A 4.6m, 200mm intake pipe is supplied as standard – perfect for pulling slurry from the ponds and priming the pump. Once the slurry is in the pump, the tractor PTO can be engaged and the power transmitted via the shear bolt protected PTO shaft.

Comfortable and complete control over the pump system is guaranteed thanks to the transparent pipe system. A 10L vacuum vessel with a 3/4" ball valve and heavy-duty vacuum primer provides a continuous vacuum rate of 0.5 bar.

- ▶ Mechanical seal run-dry oil protection
- ▶ High-performance wear parts
- ▶ Frame versatility and parts
- ▶ Flexible output pipework solutions
- ▶ Operator friendly

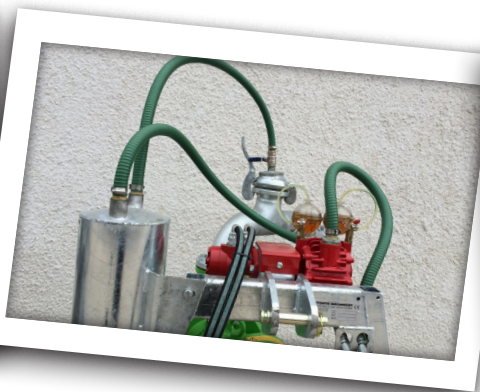


MODEL*	HP REQ	CAPACITY (M3/H)	OUTPUT	MAX BAR	IMPELLER	IMPELLER SPEED
Bauer SX1000	130+	40	305L/pm	145	4, 348mm Blades	2600rpm



Long-Life Design

Durability in demanding conditions. Gearbox security is provided by a silicon carbide mechanical seal reservoir providing a limited dry running capability and reduced hard wear.



Primer Pump

Priming is provided via the heavy-duty primer, driven by the oversized hydraulic motor. Vacuum rates of 0.5 bar and integral ventilator mean it's not long before you are sending slurry into the field.



Optional Pipework

Control starts at the pump. Operated from the tractor, the 6" double hydraulic valve lets the operator send the slurry back to the pond, reducing system pressure when moving or not applying slurry.

EFFLUENT HOSE BOBBIN REELER

One of the biggest costs to your Umbilical System is the hoses – ensuring the safe storage, transportation and application of this asset is an important contributor to any Umbilical System's success.

FarmChief's Bobbin Reelers are designed to facilitate the management of hoses for effective, efficient pumping of slurry to wherever it needs to be on the farm.

Choose to mount on the front or rear of the tractor for ultimate flexibility in the field, with single reelers providing up to 1000m of length, or combo with front and rear reelers for 2000m working length.

The cleverly designed frame ensures maximum stability and strength and comes fully galvanized as standard. The heavy-duty hydraulic gearbox can handle whatever the conditions throw at it, with little-to-no maintenance required over its lifetime.

Its compact design allows for easy visibility of the front linkage, improved maneuverability when working, easier handling of the hose, and easy storage options when not in use.

- ▶ Fully galvanised corrosion protection
- ▶ Safe dual-hydraulic relief valve protection
- ▶ Heavy-duty engineered drive gears positioned both ends of bobbin
- ▶ Strong 55mm bobbin bearing
- ▶ Low maintenance robust gearbox drive



MODEL	WEIGHT	MOUNTING	CAPACITY	WIDTH	HEIGHT
Contractor Bobbin 1000	540kg	HD 'A' Frame	1000m	2.4m	1.53m



Directly Hydraulically Driven

The hydraulic gearbox makes for super easy unrolling and re-rolling, with up to 1000m of hose carrying capacity.



Bonnet Guard

Protect your investment and prevent dings and breakages whilst working with several implements or in tight spots.



HD A Frame Quick Hitch

Easy load, heavy-duty A-Frame mount. The perfect option when piggybacking with the reeler and applicator.

UMBILICAL SYSTEM COMPONENTS

FarmChief stock a range of additional extras to supplement or improve your Umbilical Hose System.

Update or upgrade with our flow meters, hoses and couplings, all designed to work seamlessly with your existing system.

FLOW METERS

When you need to know exactly how much you are applying, you need a Flow Meter.

IN-LINE FLOW METER

Choose an In-Line Flow Meter to attach to your pump and find out exactly how much material you are moving. Built into a robust galvanised frame, your flow meter is protected from accidental damage. It is fitted with 4" Bauer couplings as standard and 6m of 12v power cable with a COBO type 3 pin plug.



APPLICATOR FLOW METER

Choose the Applicator Flow Meter to know how much you are applying via your FarmChief Dribble Bar or Spreader Bar. A choice of remote heads can be added on for precise, to-the-second monitoring of the application direct from the tractor cab.



HOSES

We stock a full range of Gollmer & Hummel (G&H) hoses, a worldwide leading hose solution provider.

G&H's Hilcoflex range has been designed specifically for the irrigation and slurry umbilical market. It is available in either PU or rubber. Each production batch is thoroughly tested to ensure the highest level of quality.



COUPLINGS & FITTINGS

If your fittings are getting old, tough to use or you simply need some backup equipment, FarmChief stock some of the strongest and safest couplings on the market. Our range perfectly suits bobbin-style reelers where it's important to keep the layflat hoses tidy.

We have a huge network of suppliers, and plenty of stock on-hand, so you're in good hands with FarmChief.

FARMCHIEF PTO COMPRESSOR

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Clearing your umbilical lines has never been easier with this versatile, portable and affordable compressor. Delivering unbeatable air power on the move, choose to mount on the front or rear of the tractor for ultimate convenience.

Ensuring your slurry lines are clear before re-rolling and storage ensures your lines are kept in good condition and helps increase the storage ability of your reeler whilst reducing the load on the tractor. And doing it in the field means every last drop of slurry ends up on the paddock.



Featuring 10 Bar operating pressure and volume flow of between 5.0 and 10.2 m³/min, the Varimount Compressor offers some seriously good power, with a guaranteed output of 350 CFM.

Designed with the end-user in mind, these compressors are PTO driven and include only two moving parts under the hood, making for fewer maintenance hours and costs. And being fully air-driven with no electronics makes for ease of use when out on the job.

- ▶ Oil-cooler fan for continuous, safe operation
- ▶ Patented pneumatic control system for all-weather operation
- ▶ Compact 1.2m³ size
- ▶ Front or rear mounted 3PTL PTO



Watch the video



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FarmChief

Implements for the best farmers in the world.

FARMCHIEF MACHINES

CULTIVATION



HEAVY DUTY SPEED DISCS



TINE CULTIVATORS



PRIMARY CULTIVATION DISCS



TINE PLOW



FALC POWER HARROW



FALC ROTARY HOE/SPIKE ROTOR



STRIP TILL CULTIVATORS



ROLLMAX ROLLERS



NSL RIPPER



SSDR RIPPER



EXPRESSPLUS SPEED DISCS



EXPRESSPRO PRE-RIPPER

SEEDING/SPREADING



ROLLER AIRSEEDER DRILL



XACT PRECISION PLANTER



MOORE DIRECT DISC UNI-DRILL

EFFLUENT/SLURRY



VEENHUIS ROTOMAX



VEENHUIS SLURRY TANKERS



ENVIROSPREAD SLURRY TANKERS



STORTH UMBILICAL SYSTEM



STORTH POND STIRRER/MIXER



HARRY WEST MUCK SPREADER

GRAIN HANDLING



BACKSAVER GRAIN AUGER



CONVENTIONAL GRAIN AUGER



CONVEYAIR GRAIN VAC

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BALE CLAMP

FIND THE RIGHT IMPLEMENT FOR THE RIGHT JOB!



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